



GLOBAL CORPORATE REPORT 2026

A multinational platform for sovereign artificial intelligence, cyber security and advanced geothermal energy.

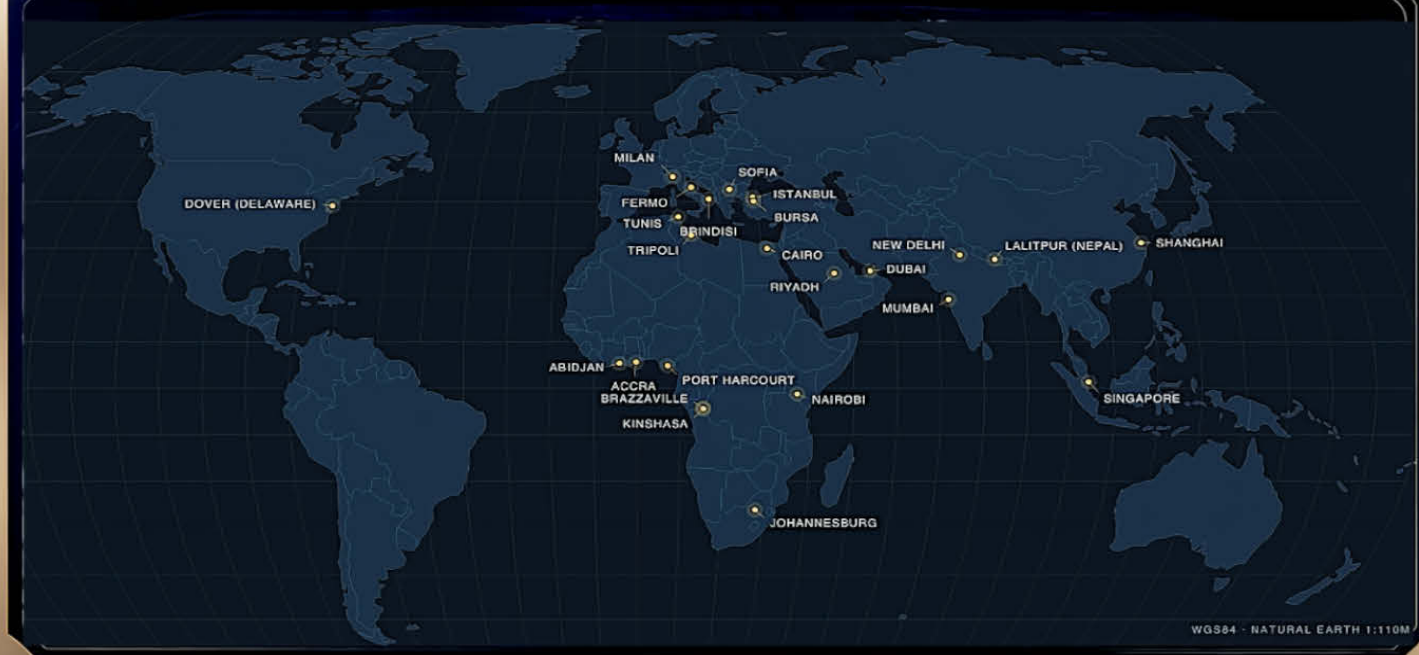
OUR SECTORS

01 ARTIFICIAL INTELLIGENCE SOVEREIGN AI & CODE Machine Learning Deep Learning Neural Networks AI Research	02 GEOTHERMAL AGS ADVANCED GEOTHERMAL SYSTEMS AGS Technology Clean Energy Sustainable Power Low Emission	03 SUSTAINABILITY A GREENER FUTURE Renewable Energy Carbon Credits Smart Cities Eco Innovation	04 GEOPOLITICS STRATEGIC ANALYSIS Global Strategy Risk Analysis Defense & Security Geopolitical Intelligence
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STRATEGIC PARTNERS

01 MAIN ENG. CENTER RePG TECHNICAL PARTNER ENGINEERING EXCELLENCE INNOVATION DRIVEN	02 CYBERSECURITY PARTNER CYBER RISK INTELLIGENCE SUPPLY CHAIN SECURITY TRUST & RESILIENCE
03 CENTER OF COMPETENCE QUASAR QUANTUM COMMUNICATION INTELLIGENT SECURITY SYSTEMS RISK MANAGEMENT	04 QUASAR STRATEGIC PARTNERSHIP EUROPEAN COLLABORATION QUANTUM & CYBER SECURITY INNOVATION & SOVEREIGN TECHNOLOGY NATO OTAN EU DIANA Defence Innovation Accelerator for the North Atlantic EDF European Defence Fund

GLOBAL NETWORK · 25 CITIES · 5 CONTINENTS



KEY PERFORMANCE INDICATORS



25

ACTIVE CENTERS



18

GLOBAL BRANCHES



250

ENGINEERING



4

ENGINEERING CENTERS



2

AI - CYBER CENTERS

INSTITUTIONAL PARTNERSHIPS



THE WORLD BANK
IBRD · IDA | WORLD BANK GROUP



USAID
FROM THE AMERICAN PEOPLE



European
Commission



NATO
DIANA
Defence Innovation
Accelerator for the North Atlantic

GLOBAL OPERATIONAL NETWORK



EUROPE

- Milan (Italy)
- Sofia (Bulgaria)
- Brindisi (Italy)
- Istanbul (Turkey)
- Bursa (Turkey)
- Fermo (Italy)



MIDDLE EAST

- Dubai (UAE)
- Riyadh (Saudi Arabia)
- Doha (Qatar)



AFRICA

- Tunis (Tunisia)
- Tripoli (Libya)
- Abidjan (Ivory Coast)
- Accra (Ghana)
- Port-Harcourt (Nigeria)
- Brazzaville (Congo)
- Kinshasa (DR Congo)
- Nairobi (Kenya)
- Johannesburg (South Africa)



ASIA

- Lalitpur (Nepal)
- New Delhi (India)
- Mumbai (India)
- Shanghai (China)
- Singapore (Singapore)



AMERICA

- Dover (Delaware, USA)

AI CYBER CENTERS



GLOBAL CERTIFICATIONS

ENGINEERING CENTERS



Website

Scan the QR code to visit our website
and learn more about our solutions.



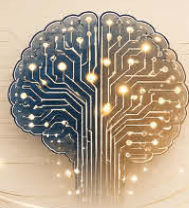
RRSC.AI



ISO
9001:2015



R. Rockefeller S.C.



ARTIFICIAL
INTELLIGENCE



ENERGY



SECURITY



GEOPOLITICS

Two distinct lines: software and artificial-intelligence code produced from zero for clients, and the sovereign research programme AURYNTHEON. They are not the same undertaking.

1 THE TWO LINES, KEEP SEPARATE

LINE ONE • INDUSTRIAL PRODUCTION



Software and AI code, written from zero

- ✓ Bespoke systems engineered for institutional clients
- ✓ Own architecture, own code base, no third party wrapper
- ✓ Delivery, custody and maintenance under contract
- ✓ Status: in service, revenue generating

LINE TWO • SOVEREIGN RESEARCH



AURYNTHEON, the sovereign model

- ✓ 3 trillion parameters
- ✓ 50 to 70 billion active per query
- ✓ Linear attention- mathematical proof before empirical validation
- ✓ Own corpus, own tokenizer, own training and evaluation stack
- ✓ Status: research programme, technology readiness level 3

2 THE FIVE TIERS OF PRODUCTION

THE GROUP WORKS AT THE FIFTH

TIER	ACTIVE PROJECTS	% OF PORTFOLIO
Tier I	12	8%
Tier II	26	17%
Tier III	44	29%
Tier IV	66	44%
Tier V	100	100%



Only Tier V produces ownership of the mathematics, the weights and the code.

3 THE CYBER DEPARTMENT

DEFENCE AND OFFENCE, IN BALANCE

DEFENCE

Cryptography & Key Custody	95%
Network & Perimeter	90%
Application & Code Security	85%
Red Team & Adversarial Simulation	80%
Threat Intelligence	92%
Incident Response & Forensics	92%



OFFENCE

Cryptography & Key Custody	60%
Network & Perimeter	70%
Application & Code Security	75%
Red Team & Adversarial Simulation	92%
Threat Intelligence	85%
Incident Response & Forensics	55%

THREE LAYER ARTEFACT PROTECTION

FIPS 140-3 LEVEL 3 CUSTODY WITH SPLIT KEYS • POST QUANTUM MIGRATION PATH DEFINED AT ARCHITECTURE LEVEL. OFFENSIVE CAPABILITY EXISTS TO TEST THE DEFENCE.

ENERGY • GEOTHERMIC AGS



Advanced Geothermal Systems (AGS) – Certified technology continuous power from 55°C, sealed loop, no water.

- 55–70°C low temperature binary/ORC
- Continuous 24/7 baseload power
- IoT/SCADA monitoring 24/7
- Minimal flow, no water consumption
- Decarbonisation and industrial heat
- Data centres and green hydrogen ready

DOMAIN: GEOTHERMAL & ENERGY

5 OUR CORE CAPABILITIES



SOFTWARE & AI ENGINEERING

Software and AI code written from zero, own architecture, own code base.



AURYNTHEON SOVEREIGN AI

3T parameters sovereign model, linear attention, own stack.



CYBER SECURITY & OFFENCE

Defence in depth and offensive capability to test and assure.



GEOTHERMIC AGS & ENERGY

Low temperature AGS starts from 55°C, sealed loop, continuous power.



ROBOTICS & AUTOMATION

Robotics, industrial automation and intelligent control systems.



RESEARCH & INNOVATION

Engineering research, proprietary methods, independent innovation.

4 PARTNERSHIPS • WHO MEASURES, WHO CERTIFIES, WHO TEACHES

PARTNER	WHAT IT IS	WHAT IT DOES FOR THE GROUP	DOMAIN
SecurityScorecard	Global cyber risk rating platform, more than 12 million organisations rated continuously	Independent external measurement of the Group cyber exposure, A to F rating across ten risk factor groups	CYBER
QUASAR	National Centre for Quantum Communication, Intelligent Security Systems and Risk Management, national coordinator of EuroQCI in Bulgaria	Quantum key distribution and secure communication for critical infrastructure	QUANTUM
RePG Energy	Certified advanced geothermal machine	The certified machine behind the AGS line, continuous power from 55 degrees Celsius, sealed loop, no water	GEOTHERMAL
The British University in Egypt	New Cairo, Egypt • first QAA accredited university in Egypt and North Africa	Training and assurance for the New Cairo centre, African academic coordination	ACADEMIC
University Canada West	Downtown Vancouver, Canada • business and technology university, founded 2004	Institutional academic relation held through the Group Director, Michele Vincenti	ACADEMIC



100+
ACTIVE PROJECTS
TIER V OWNERSHIP



3T
PARAMETERS
AURYNTHEON



50-70B
ACTIVE PER QUERY



FIPS 140-3
LEVEL 3 CUSTODY
SPLIT KEYS



18 | 25
COUNTRIES
ACTIVE CENTRES



CREDENTIALS

- ✓ ISO 9001:2015, third cycle, UKAS accredited
- ✓ ISO 14001:2015
- ✓ CC attestation and four dated test reports
- ✓ Nine executed institutional references
- ✓ ESG 2024 available



FOOTPRINT

18 COUNTRIES
25 ACTIVE CENTRES
2 JURISDICTIONS
2 ENGINEERING CENTRES
2 AI & CYBER CENTRES
250+ ENGINEERS



ENGINEERING CENTRES

Lalitpur, Nepal • AI and cyber core
Bursa, Türkiye • technology engine
Montegrano and Brindisi, Italy • engineering and design • research and development



THE VOLUME

Contents.

A preview, then the parts of the volume. It follows the order in which an institution actually reads a company: who we are and what the numbers mean, who answers for it, what we do, how and where we do it, with whom, what proves it, and what comes next.

OPENING

What the Group is in one page, then the whole platform in schemes before the detail.

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OPENING STATEMENT

Who we are.

The Rob Rockefeller Standard Carbon is an American company operating globally, structured across five continents, that designs and builds two things very few organisations in the world can build at once: sovereign artificial intelligence written from the first line of code, and energy technology that turns low temperature heat into continuous electricity.

This volume is the company profile of the Group. It sets out what the Group is, where it operates, who leads it, what it builds, and the institutional architecture that holds the whole structure together. It is written for governments, ministries, sovereign investors, industrial partners and institutional counterparties, and it is written to be read from beginning to end: every figure that appears in these pages is stated with the source that produces it, every technical number is explained in ordinary language before it is used, and every programme is presented at the stage it has actually reached.

The Group is incorporated in the State of Delaware, in the United States of America, and holds its European seat in Milan. It operates

twenty five active centres across eighteen countries and five continents. Four of those centres are engineering and technological research centres with floors, payrolls, instruments and certificates: Bursa in Türkiye, Montegranaro in the province of Fermo in Italy, Brindisi in Puglia, and New Cairo in the Arab Republic of Egypt. Two are artificial intelligence, cyber and cybersecurity engineering research centres: Lalitpur in Nepal, the operational core, and the Emirati centre in the Gulf. The remaining centres are the branch network: the institutional and commercial presence through which the Group engages ministries, sovereign funds and industrial groups in their own capitals.

Three convictions run through everything that follows. The first is that sovereignty in technology is built, not certified: an institution owns its artificial intelligence only when it owns the architecture, the corpus, the tokeniser, the training pipeline, the cryptography and the platform, and can operate all of them without the party that built them. The second is that energy is the binding constraint of the digital decade: without continuous, clean, local power there is no data centre, no industrial decarbonisation and no digital sovereignty. The third is that access at institutional level cannot be improvised: it is built over years, family by family, ministry by ministry, and it is the reason a small platform can sit at tables normally reserved for very large ones.

The Group is structured to engage governments and ministries directly, not to sell into them through intermediaries. That posture is visible at every level of the architecture that follows.



PART ONE

Identity and the figures.

Who the Group is, where it is registered, and the exact meaning of every number used in this volume.

WHY THIS PART EXISTS

A reader who does not know what a company is, and what its headline figures actually count, cannot judge anything else it says. This part comes first for that reason and for no other.

- 1.1 The identity of the Group
- 1.2 The figures declared, one by one

1.1 · IDENTITY

The identity of the Group.

An American company, incorporated in Delaware, operating through a single chain of command in every jurisdiction in which it is present.

The Rob Rockefeller Standard Carbon LLC is a limited liability company of the State of Delaware, United States of America. It operates internationally under the mark R. Rockefeller S.C. and under the AURYNTHEON emblem, which signs its technology programmes. The Group is not affiliated with the

John D. Rockefeller family, and says so in every institutional document it issues.

The company was built without external equity dilution. Every centre, every certification and every partnership described in this volume has been financed by the platform itself and by the partnerships it has entered. That is a structural fact, not a slogan: it

explains why ownership is concentrated, why decisions are fast, and why the intellectual property of the Group has never left the perimeter of the Group.

The registered identity below is the identity that appears on every contract, every certificate and every institutional filing. It is verifiable in the public record of the State of Delaware.

REGISTERED IDENTITY			
LEGAL NAME	The Rob Rockefeller Standard Carbon LLC	JURISDICTION	State of Delaware, United States of America
DELAWARE LLC REGISTRATION	No. 6714331	EMPLOYER IDENTIFICATION NUMBER	EIN 93-4657669
REGISTERED OFFICE	8 The Green, STE R, Dover, Delaware 19901	OPERATIONAL OFFICE, USA	1309 Coffeen Avenue, Ste 1200-C, Sheridan, Wyoming 82801
REGISTERED AGENT	Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801	EUROPEAN SEAT	Milan, Italy, Via Monte Napoleone 21
TRADING MARKS	R. Rockefeller S.C. · AURYNTHEON	SECTORS	Artificial intelligence · cyber security · geothermal energy · carbon markets · geopolitical analysis
INSTITUTIONAL WEB	www.therockefeller-sct.com		

The European seat in Milan is not a letterhead. Via Monte Napoleone 21 is the most prestigious commercial address in the city, and the office is

the coordination point for the institutional relations of the Group across the European Union, for the family office perimeter, and for the

interface with the engineering centres of Montegranaro and Brindisi. The American domicile carries the corporate governance;

the European seat carries the institutional dialogue with Europe; the Gulf carries the sovereign

relationships; Asia carries the engineering production. No single geography carries all four, and the

architecture is deliberate.

1.2 · THE PERIMETER

The figures declared, one by one.

Four numbers describe the Group. Each of them counts something specific, and each is set out here with what it counts, so that no figure in this volume can be read as larger than it is.

25	18	5	6
ACTIVE CENTRES	COUNTRIES	CONTINENTS	ENGINEERING AND RESEARCH CENTRES

Twenty five active centres. An active centre is a place where the Group has an operating presence: an engineering facility, a research centre, a registered branch or an institutional representation with named leadership. Twenty five of them are listed by city in the registry of Part Ten. They are not twenty five factories: four are engineering and technological research centres, two are artificial intelligence and cyber engineering research centres, and the remainder are the institutional and commercial network.

Eighteen countries. The eighteen sovereign jurisdictions in which the counted centres sit: the United States, Italy, Bulgaria, Turkiye, the United Arab Emirates, the Kingdom of Saudi Arabia, the State of Qatar, Tunisia, Libya, Egypt, Cote d Ivoire, Nigeria, South Africa, Nepal, India, China, Singapore and the Principality of Monaco. A further perimeter of African jurisdictions is in formation and is described, as such, in Part Thirteen.

Six engineering and research centres. Four generalist engineering and technological research centres, and two artificial intelligence, cyber and cybersecurity engineering research centres. These six are the only places in the network where the Group designs, builds, measures and certifies. Everything else in the network exists to reach institutions, not to produce technology.

Five continents. Europe, Asia, Africa, the Middle East as part of Asia, and North America. The Group presents the Middle East separately throughout this volume

THE SIX	WHERE	WHAT IT IS	WITH WHOM
Engineering, technology and energy	Bursa, Turkiye	Factory and research centre, 4,000 square metres, where the low temperature machine is designed, built, certified and tested	RePG Energy
Engineering, technology and energy	Montegranaro, Fermo, Italy	Strategic independent research and development centre, 1,400 square metres, original research and instrumented prototypes	Think Green Technologies S.A.
Engineering, technology and energy	Brindisi, Puglia, Italy	Plant engineering house with a 1,600 square metre technology research laboratory, basic design, FEED and detail engineering	Skem@ Srl
Engineering, technology and energy	New Cairo, Egypt	Two branch hub for assurance, audit, workforce certification and decarbonisation, coordination centre for Africa	Yellow Helmet Egypt
Artificial intelligence and cyber	Lalitpur, Nepal	The engineering core of the sovereign AI platform: more than 5,000 square feet, over 50 certified engineers, ISO 9001:2015	Group asset, Dryice Solutions
Artificial intelligence and cyber	United Arab Emirates	The institutional bridge for the Middle East and Africa, with the production centre in constitution with a local technical partner	In formation

The six centres where the Group builds. The branch network of Part Ten exists to carry what these six produce into institutions.

A note on how figures are used in this volume. Where a number is measured, the conditions under which it was measured are given with it. Where a date lies in the future it is written as a target and never as an

achievement. Where a programme has not yet been constituted, this volume says so in the same sentence in which it describes it. This discipline is the reason the document can be handed to a ministry.

PART TWO

Governance and leadership.

Three shareholders, six Country Presidents, the heads of every country in the network, the transversal functions and the complete directory of the people who run the platform.

WHY THIS PART EXISTS

An international company is judged on who answers for it. This part sets out the ownership, then the two layers of leadership, sovereign and operational, then every name in the volume in one directory.

2.1 Ownership and the founding board	leadership
2.2 The Presidents and the heads of the countries	2.4 How the Group is governed
2.3 Central functions, executive managers and branch	2.5 The complete management directory

2.1 · GOVERNANCE

Ownership and the founding board.

Three founding shareholders hold the whole equity of the Delaware company. One chain of command applies in every jurisdiction.

The ownership of the platform is unified and concentrated: seventy per cent is held by the Chief Executive Officer and Majority Shareholder, twenty five per cent by the Founder and President, and five per cent by the President for Financial and Contractual Affairs. There is no external equity, no venture capital layer, and no holding structure between the operating platform and its shareholders. Every branch, every centre and every partnership reports into the same chain of command, and the Office of the Chief Executive Officer is the point at which the institutional, technological and financial perimeters meet.

Valentino Loforese

Chief Executive Officer and Majority Shareholder, 70 per cent

Operational architect of the platform. Directs the global perimeter, the technology exchange model and every strategic, sovereign and royal partnership of the Group. He has personally negotiated and signed the alliances described in Part Seven, the royal partnerships of Part Eleven and the integration of the Nepal centre described in Part Six. Delegate to the World Economic Forum in Davos from 2023 to 2026 and to the United Nations climate conferences from COP 27 to COP 30.

Robert Clyde Rockefeller

Founder and President, 25 per cent

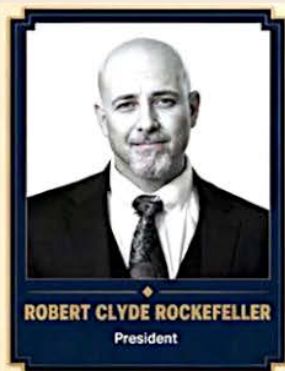
Founder of The Rob Rockefeller Standard Carbon LLC, incorporated in Delaware. Holds senior representative capacity for the Group and signed the unified operational leadership of the platform.

Federico Foscale

Partner and President, Financial and Contractual Affairs, 5 per cent

Governs the financial and contractual perimeter of the Group: capital structuring, banking relationships, contract governance and the institutional finance network. A career across Chase Manhattan Bank, Gotthard Bank and JP Morgan in mergers and acquisitions, private equity and leveraged finance; founder and Chief Executive Officer of Lombard Network Group, Lugano.

OWNERSHIP/BOARD



PRESIDENTS



AL – CYBER & RESEARCH



CO-ACADEMIC PARTNERSHIPS



SOFTWARE DEVELOPMENT



UAE PUBLIC RELATIONS UAE



SOFTWARE DEVELOPMENT



FASHION & MARKETING
AI DIRECTOR



CHIEF OF STAFF AI / CYBERSECURITY /
DIGITAL CENTERS



PRESIDENT AI CENTER NEPAL



SARJU BISTA
TECHNICAL LEAD



SUNIL ADHIKARI
TECHNICAL LEAD



UPAHAR KUMAR JOSHI
TECHNICAL LEAD



SUSHIL KUMAR SAH
TECHNICAL LEAD



MANOJ KUMAR MAHATO
SOFTWARE ENGINEER



MONISH MANANDHAR
SOFTWARE ENGINEER



YAM BAHADUR LIMBU
SOFTWARE ENGINEER



BIJAY JOSHI
SOFTWARE ENGINEER



ARCHANA AWALE
SOFTWARE ENGINEER



UDAYA NEUPANE
SOFTWARE ENGINEER

ENGINEERING AND TECHNOLOGICAL RESEARCH CENTERS



ANDREA MIANO

RRSC ENGINEERING CENTER
AND RESEARCH DIRECTOR



HÜSEYİN KARAYAĞIZ

GD BURSA
ENGINEERING HUB



HASAN AYARTÜRK

CHIEF OF STAFF ENGINEER ·
MAIN GLOBAL CENTER



SANDRO NASTA

DIRECTOR · BRINDISI ITALY
ENGINEERING CENTER



DR. YAHIA ZAKARIA

GENERAL DIRECTOR · EGYPT
ENGINEERING CENTER

EXECUTIVE MANAGER



GENNARO MIGLIORE

EXECUTIVE MANAGER ·
GLOBAL OPERATIONS



**SHEIK KHALED BIN JAMEEL
AL MUSSEIFR**

EXECUTIVE MANAGER ·
MIDDLE EAST OPERATIONS



MOHAMED AL HOSANI

EXECUTIVE MANAGER ·
UAE BRANCH



CARLO ELASI

EXECUTIVE MANAGER ·
EUROPE OPERATIONS

BRANCHES CEO / DIRECTORS



Reda Jaber
GD Côte d'Ivoire



Abhay Chandra
GD India



Francesco Cuccurullo
CEO Italy



Ahmed Almuaini
Director Coordinator UAE



Rina Pua
GD Singapore



Dolly Tabet
Deputy CEO UAE



Mohamed Lassaad Kedimi
CEO Tunisia



Edrev Kalin Petkov
GD Bulgaria



Andrew Shelepnytskyi
Director PR Monaco



Raaj Suri
Mumbai Director



Indra Prasad Kattel
GD Nepal



Fred Makondzo
Director Congo



Jasper Johnson
Managing Director Nigeria



Reda Jaber
General Director Ivory Coast
PR Director Congo, Senegal, Tanzania



Eddy David Malese
CEO South Africa



The consequence of this structure is speed. A sovereign counterparty that opens a dialogue with the Group is speaking, within one step, to the person who owns the

decision. In a sector where institutional processes are measured in years, the ability to close at the level of the principals is itself an asset, and it is the reason

the partnerships in Part Seven were concluded directly between chief executives.

2.2 · SOVEREIGN ANCHORS AND BRANCH LEADERSHIP

The Presidents and the heads of the countries.

Two layers run the geography of the Group. Country Presidents anchor the sovereign perimeter of a jurisdiction and answer for the institutional relationship. Branch chief executives and general directors run the countries day by day. Every jurisdiction in this volume has both, or has one and is declared as such.

A Country President is not a commercial title. The function is to carry the institutional relationship with ministries, royal offices and sovereign funds, and to place the Group inside the national decision making architecture rather than outside it, in the position of a supplier seeking access. In three

Gulf jurisdictions that role is held by a senior member of a ruling family; in China, in Türkiye and in North Africa it is held by a principal of the country with a comparable institutional standing.

The operational layer is separate and is set out in full below: the chief executives and general directors

who run the branches, the executive managers who run the regional operations, and the directors who carry the perimeters in formation. The detail of each country, its addresses, its instruments and its perimeter, follows in the geographic parts of this volume.

Country Presidents. *Royal families and sovereign anchors.*

Six senior anchors of the ruling families of the Gulf, of Türkiye and of the institutional perimeter of Bulgaria. Royal and institutional partnerships at the highest level — not commercial intermediation.



H.E. Sheikh Khalifa Al Hamed
PRESIDENT · RRSC UAE

Al Hamed family, ruling family of Abu Dhabi. Grandson of H.E. Ahmed Khalifa Al Suwaidi — UAE President's Representative and Founder of ADIA (~\$1 trillion SWF). RRSC's historic registered partnership through Royal Diamond Group LLC.



H.H. Prince Abdul Majeed Al Saud
PRESIDENT & CEO · RRSC SAUDI ARABIA

Saudi Royal House. Signatory of the **Royal Partnership**, formally appointing RRSC as reference partner for the Middle East region.



Sheikh Tameen Al Thani
PRESIDENT PARTNER · QATAR OPERATIONS & AI

Member of the **Al Thani Royal Family**, ruling dynasty of Qatar under H.H. Emir Sheikh Tamim bin Hamad Al Thani. Strategic perimeter: **QIA** (\$475+ bn SWF), 2027 physical branch in Doha.

The three sovereign anchors of the Gulf. H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed, President of RRSC UAE, of the ruling family of Abu Dhabi; H.H. Prince Abdul Majeed

bin Saud bin Muhammad Al Saud, President and Chief Executive Officer of RRSC Saudi Arabia, of the Saudi Royal House; and Sheikh Tameen Bin Mohammed Al Thani, President

Partner for Qatar operations and artificial intelligence, of the Al Thani Royal Family. Royal and institutional partnerships at the highest level, not commercial intermediation.

THE SIX COUNTRY PRESIDENTS

JURISDICTION	COUNTRY PRESIDENT	STANDING
United Arab Emirates	H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed	Al Hamed family, ruling family of Abu Dhabi. Grandson of the founder of the Abu Dhabi Investment Authority and Representative of the President of the United Arab Emirates.
Kingdom of Saudi Arabia	H.H. Prince Abdul Majeed bin Saud bin Muhammad Al Saud	Al Saud dynasty. Signatory of the Royal Partnership that names the Group as reference partner for the Middle East region.
State of Qatar	Sheikh Tameen Bin Mohammed Al Thani	Al Thani Royal Family, ruling dynasty of the State of Qatar. Represents the family in all partnerships and institutional relations of the Group in the country.
Republic of Turkiye	Engin Akel	President of RRSC Turkiye. Founder and chief executive of an industrial technology company; anchors the institutional presence in Istanbul and the engineering centre of Bursa.
People's Republic of China	Kong Xiaoli	President of RRSC China, Shanghai. Presides over a perimeter limited to sustainability, clean energy and carbon credit.
North Africa: Tunisia, Libya, Egypt	Mohamed Lassaad Kedimi	President for North Africa and Chief Executive of RRSC Tunisia. Architect of the Libyan engagement and coordinator of the three country programme.

The presidential layer of the Group, August 2026. Country Presidents are institutional guarantors of the platform, not line managers of the branches.

H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed

President, RRSC United Arab Emirates

Member of the Al Hamed family, ruling family of Abu Dhabi and historic institutional ally of the ruling Al Nahyan family. Grandson of H.E. Ahmed Khalifa Al Suwaidi, Representative of the President of the United Arab Emirates, first Minister of the Interior of the federation in 1971 and founder of the Abu Dhabi Investment Authority, the Emirati sovereign wealth fund with assets of approximately one trillion United States dollars.

H.H. Prince Abdul Majeed bin Saud bin Muhammad Al Saud

President and Chief Executive Officer, RRSC Saudi Arabia

Member of the Al Saud dynasty, the ruling House of the Kingdom. Signatory of the Royal Partnership that formally names the Group as reference partner for the Middle East region, and anchor of the Saudi institutional perimeter towards the ministries and the sovereign investment vehicles of the Kingdom.

Sheikh Tameen Bin Mohammed Al Thani

President Partner, Qatar operations and artificial intelligence

Member of the Al Thani Royal Family, the ruling dynasty of the State of Qatar. Officially represents the ruling family in all partnerships and institutional relations of the Group in Qatar and in the wider Gulf Cooperation Council perimeter.

Engin Akel

President, RRSC Turkiye

Founder and Chief Executive Officer of Akel Teknoloji. Anchors the Turkish institutional presence on the fifty first floor of Metropol Tower in Istanbul and coordinates with the Bursa engineering centre on the industrial deployment of the geothermal programme and with the Turkish ministerial counterparties.

Kong Xiaoli

President, RRSC China

Presides over the Chinese perimeter of the Group, with its operational base in Shanghai. The perimeter is dedicated exclusively to the sustainability and carbon vertical: eco sustainability, clean energy and carbon credit. It does not extend to artificial intelligence or to cyber security.

Mohamed Lassaad Kedimi

President, North Africa, and Chief Executive of RRSC Tunisia

Coordinates the dedicated programmes of the Group across Tunisia, Libya and Egypt, and is the architect of the Libyan engagement described in the African part of this volume.

THE HEADS OF THE COUNTRIES, JURISDICTION BY JURISDICTION

The table below is the operational answer to the question a counterparty actually asks: in this country, who do I speak to. It lists every jurisdiction of the network with the person who runs it, alongside the President where one is appointed. Twelve branch chief executives and general directors, four executive managers for the global, Middle Eastern, Emirati and European operations, and the directors of the perimeters now in formation.

COUNTRY	WHO RUNS IT	OFFICE
United States	Office of the Chief Executive Officer, Delaware and Wyoming	Corporate governance and the legal domicile of the platform
Italy	Francesco Cuccurullo	Administrator and Chief Executive of the Italian branch, Milan
Italy	Gianluca Annunziata	Board of Directors of the Italian branch

COUNTRY	WHO RUNS IT	OFFICE
Italy	Carlo Elasi	Branches Coordinator and Executive Manager for Europe operations
Bulgaria	Edrev Kalin Petkov	General Director of the Bulgarian branch, Sofia
Principality of Monaco	Andrew Shelepnytskyi	General Director for public relations, Monaco and Monte Carlo
Turkiye	Huseyin Karayagiz and Hasan Ayarturk	General Director of the Bursa engineering hub and Chief of Staff Engineer, under President Engin Akel
United Arab Emirates	Ms. Dolly Tabet	Deputy Chief Executive Officer of the Emirati branch, under President Sheikh Khalifa Al Hamed
United Arab Emirates	Dr. Adel Miran, Mohamed Al Hosani, Ahmed Almuaini	Institutional relations for the Middle East, executive management and carbon projects, branch operations
Saudi Arabia	Sheik Khaled bin Jameel bin Hawas Abdul Aziz Al Musseifr	Director of the Saudi branch and Executive Manager for Middle East operations, under the President and Chief Executive Officer
Saudi Arabia	Sheik Alajmi, Abdullah Mohammed	Manager and General Director of the executive office of the President
Qatar	Representation team, Doha	Middle East operations under President Partner Sheikh Tameen Al Thani, with the branch in preparation
Tunisia	Mohamed Lassaad Kedimi	Chief Executive of the Tunisian branch and President for North Africa
Libya	Tripoli branch, under the North African presidency	Established with the Government and the Ministry of Industry and Mineral Resources
Egypt	Dr. Yahia Zakaria	General Director of the engineering and sustainability centre, New Cairo, coordination centre for Africa
Nigeria	High Chief Jasper Johnson	Managing Director of the Nigerian branch, Port Harcourt
Cote d'Ivoire	Reda Jaber	General Director for Cote d'Ivoire, Africa coordinator and public relations director for the Republic of the Congo, Senegal and Tanzania
Republic of the Congo	Fred Makondzo	Director of RRSC Republic of the Congo, Brazzaville
South Africa	Eddy David Malese	Chief Executive Officer of RRSC South Africa, continental headquarters in Johannesburg
Nepal	Indra Prasad Kattel	General Director of the Nepalese branch
Nepal	Santosh Bhusal, Mohan G.C., Dharmaraj Budhathoki	Presidency, general direction and direction of the artificial intelligence engineering centre in Lalitpur
India	Abhay Chandra	Director of RRSC India, with Raaj Suri as General Director of Mumbai and Dr. Gurpal Singh Sethi as Deputy Director
Singapore	Rina Pua	Director of RRSC Singapore, with Vineeta Burman as Chief Financial Officer for the Asian perimeter
China	Kong Xiaoli	President of RRSC China, Shanghai
Global operations	Gennaro Migliore	Executive Manager for global operations and Director of institutional public relations for Europe and Africa

The operational leadership of the network. The complete directory of every named professional, by function, closes this part.

Where a country has a President and where it does not.

Six jurisdictions have a Country President because the institutional relationship there is carried at the level of a ruling family or of a national principal. The others are run directly by a branch chief executive or general director reporting through the Branches Coordinator to the Office of the Chief Executive Officer.

The Group presents the distinction openly rather than granting the title everywhere: a president who does not open a ministry is a business card.

2.3 · THE STRUCTURE

Central functions, executive managers and branch leadership.

Three transversal functions serve every branch: artificial intelligence and cyber, engineering, and finance with institutional relations. Four executive managers run the global, Middle Eastern, Emirati and European operations. Twelve branch chief executives and general directors run the countries.

The Group is organised in tiers. The first tier is ownership and the board. The second is the Country Presidents. The third tier is transversal: the scientific direction of artificial intelligence and cyber	security, the engineering centres, and the finance, institutional relations and coordination functions. The fourth tier is the operational leadership of the branches. The Branches	Coordinator aligns the third and fourth tiers and reports to the Office of the Chief Executive Officer.
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FUNCTION	WHO	PERIMETER
Chief of Staff, AI, cyber security and digital centres	Umberto Colella	Scientific direction of the whole artificial intelligence and cyber security perimeter. Author of the proprietary 4096 bit cryptography and originating architect of AURYNTHEON.
General Manager, strategic operations	Mohan G.C.	Strategic operations of the artificial intelligence, cyber and digital perimeter with the institutional and multilateral counterparties. General Director of the AI centre of Nepal.
General Manager, public and institutional relations for the UAE	Dr. Adel Miran	Institutional relations of the Group in the Emirates and the bridge to the federal and investment counterparties.
General Director, project management and institutional delivery	Dharmaraj Budhathoki	Project management and institutional delivery of the AI, cyber security and digital programmes.
General Director, academic partnerships in AI	Dr. Michele Vincenti	The academic and research partnership programme in artificial intelligence and cyber security.
General Director, research and marketing AI	Simone Ruggeri	Research and the AI driven marketing programme, with the consumer facing applications of the vertical.
President, AI engineering centre Nepal	Santosh Bhusal	Presides over the AI engineering centre in Lalitpur, the engineering engine of the sovereign AI platform.
Engineering centres	Andrea Miano, Huseyin Karayagiz, Hasan Ayarturk, Sandro Nasta, Dr. Yahia Zakaria	The four engineering and technological research centres under unified technical governance. Part Eight.
Executive Manager, global operations	Gennaro Migliore	Global institutional operations and the public relations perimeter of the Group.
Executive Manager, Middle East operations	Sheik Khaled bin Jameel bin Hawas Abdul Aziz Al Musseifr	Operations across the Middle East perimeter within the Royal Partnership framework.
Executive Manager, UAE branch	Mohamed Al Hosani	World Carbon Project Development Manager. Anchors carbon credit project development in the Emirates.
Executive Manager, Europe operations	Carlo Elasi	Aligns the European perimeter of the Group between the branches, the Presidents and the Office of the CEO.
Chief Financial Officer, Singapore	Vineeta Burman	Financial coordination centre for the Asian perimeter and counterparty for cross border flows, treasury structures and family office relationships.
Chief, Italian agriculture and livestock sustainability	Cesare Carriero	Anchors the Italian agro industrial decarbonisation perimeter, bridging geothermal energy and carbon neutrality with agricultural sustainability programmes.

The transversal functions of the Group, August 2026. The complete management directory, branch by branch and person by person, is in section 2.5.

AI TECHNICAL TEAM STRUCTURE



The technical structure of the artificial intelligence department. Six pillars: research, direction of the centres, software production

engineers, technical support, institutional relations for artificial intelligence, and strategy and governance. Below them, the three

engineering and innovation centres of the Group in the Emirates, in Nepal and in the European Union.

2.4 · METHOD

How the Group is governed.

One rule explains the structure of every partnership in this volume: nothing critical is outsourced, and no partner surrenders ownership of what it has built.

The Group operates through partnerships with engineering companies that hold their own certifications, their own delivered record and their own named leadership. In every one of those partnerships the same principle applies. The operating partner retains the ownership of what it has built: its patents, its engineering capability, its local credentials. The

Group holds the commercial and institutional vehicle, and in the case of the energy technology, the exclusive global deployment rights. Where credentials are shared, as under Article nine of the Egyptian partnership agreement, the licence is non exclusive, royalty free and granted for qualification purposes only, and full ownership remains with the holder.

This is not a legal detail. It is what makes the network durable. A partner that keeps what it has built has an interest in the partnership lasting; a partner stripped of its intellectual property has an interest in leaving. Every centre described in Part Eight has been operating under this rule for years, and none of them has left.

Every centre retains its own engineering capability and its own credentials. The Group is the commercial and institutional vehicle. Nothing critical is outsourced, and no partner surrenders ownership of what it has built.

THE GOVERNING PRINCIPLE OF THE NETWORK

2.5 · WHO RUNS WHAT

The complete management directory.

More than one hundred named professionals across eighteen countries. This directory lists them by function and by jurisdiction, as of August 2026.

OWNERSHIP AND THE FOUNDING BOARD

NAME	OFFICE
Valentino Loforese	Chief Executive Officer and Majority Shareholder
Robert Clyde Rockefeller	Founder and President
Federico Foscale	Partner and President, financial and contractual affairs

COUNTRY PRESIDENTS

NAME	OFFICE
H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed	President, United Arab Emirates
H.H. Prince Abdul Majeed bin Saud bin Muhammad Al Saud	President and Chief Executive Officer, Saudi Arabia
Sheikh Tameen Bin Mohammed Al Thani	President Partner, Qatar operations and artificial intelligence
Kong Xiaoli	President, China
Engin Akel	President, Turkiye
Mohamed Lassaad Kedimi	President, North Africa

ARTIFICIAL INTELLIGENCE, CYBER SECURITY AND DIGITAL

NAME	OFFICE
Umberto Colella	Chief of Staff for artificial intelligence, cyber security and digital centres; scientific direction; author of the proprietary cryptography
Mohan G.C.	General Manager for strategic operations; General Director of the artificial intelligence centre of Nepal
Santosh Bhusal	President of the artificial intelligence engineering centre of Nepal; Chief of the technical labs
Dharmaraj Budhathoki	General Director for project management and institutional delivery; Director of the centre of Nepal
Dr. Michele Vincenti	General Director for academic partnerships in artificial intelligence and cyber security
Simone Ruggeri	General Director for research and marketing artificial intelligence
Dr. Adel Miran	General Manager for public and institutional relations, United Arab Emirates
Sarju Bista, Sunil Adhikari	Technical leads and project managers, Lalitpur
Upahar Kumar Joshi, Sushil Kumar Sah	Database administration, Lalitpur
Udaya Neupane	Network and system infrastructure, Lalitpur
Archana Awale	Quality assurance, Lalitpur
Manoj Kumar Mahato, Monish Manandhar, Yam Bahadur Limbu	Senior developers, Lalitpur
Bijay Joshi	Frontend development and user interface, Lalitpur

ENGINEERING AND TECHNOLOGICAL RESEARCH CENTRES

NAME	OFFICE
Andrea Miano	General Director of the engineering centre of Italy, Montegranaro, and research director of the Group
Mauro Noviello	Head of mechatronics, Montegranaro
Edoardo Orlandi, Rossano Berdini	Mechatronics office, Montegranaro
Huseyin Karayagiz	General Director of the Bursa engineering hub
Hasan Ayarturk	Chief of Staff Engineer of the main global engineering centre, Bursa
Sandro Nasta	Director of the Brindisi engineering centre and of the technology research laboratory
Dr. Yahia Zakaria	General Director of the engineering centre of Egypt, New Cairo

EXECUTIVE MANAGERS, FINANCE AND COORDINATION

NAME	OFFICE
Gennaro Migliore	Executive Manager for global operations; Director of institutional public relations for Europe and Africa
Sheik Khaled bin Jameel bin Hawas Abdul Aziz Al Musseifr	Executive Manager for Middle East operations; Director of the Saudi branch
Mohamed Al Hosani	Executive Manager of the Emirati branch; World Carbon Project Development Manager
Carlo Elasi	Executive Manager for Europe operations; Branches Coordinator
Vineeta Burman	Chief Financial Officer, Singapore
Cesare Carriero	Chief of Italian agriculture and livestock sustainability

THE MIDDLE EAST

NAME	OFFICE
Dr. Adel Miran	General Director of public and institutional relations, United Arab Emirates, and Director General for institutional relations across the Middle East
Ms. Dolly Tabet	Deputy Chief Executive Officer, United Arab Emirates
Mr. Ahmed Almuaini	Director of branch operations and institutional coordination, United Arab Emirates
Sukhchain Singh	Chief Technology Officer, Dubai technical team
Haroon Saqib, Charles David, Jasna Ali, Iqra Zainab, Diana	Dubai technical team: metaverse, artificial intelligence, cyber security, web three and business management
Sheik Alajmi, Abdullah Mohammed	Manager, Saudi Arabia, and General Director of the executive office of the President of the branch

EUROPE

NAME	OFFICE
Francesco Cuccurullo	Administrator and Chief Executive of the Italian branch
Gianluca Annunziata	Board of Directors of the Italian branch
Edrev Kalin Petkov	Director of the Bulgarian branch
Andrew Shelepnytskyi	General Director for public relations, Monaco and Monte Carlo

NAME	OFFICE
Engin Akel, Huseyin Karayagiz, Hasan Ayarturk	Turkiye: presidency of the branch and direction of the engineering centre

AFRICA

NAME	OFFICE
Mohamed Lassaad Kedimi	President for North Africa and Chief Executive of the Tunisian branch
Mohamed Ali Daimi, Sahbi Kaddachi, Hamza Fatnassi, Ezzedine Khalfallah, Nouredine Hajjaji, Dr. Maher Khedher, Jihane Ben Romdhane	Tunisia: regional direction, supply chain, system development, energy advisory, information technology engineering, artificial intelligence and cyber security centre, executive management
Dr. Yahia Zakaria	General Director of the engineering and sustainability centre of Egypt
High Chief Jasper Johnson	Managing Director, Nigeria
Prof. Clifford Ofurum, Dr. Orji Nyeche, Engr. Emeka Ejiofor, Samuel Igiri, Nsikak Emmanuel Udoson, Barr. Bury Amadi, AIG Patrick Dokumo, Emenike Wilson	Nigeria: finance and administration, general management, technical services, logistics, legal services, public relations and marketing
Reda Jaber	General Director for Cote d'Ivoire, Africa coordinator and public relations director for the Republic of the Congo, Senegal and Tanzania
Fred Makondzo	Director, Republic of the Congo
Eddy David Malese	Chief Executive Officer, South Africa, continental headquarters
Jim Bosodi Matemane	Corporate law specialist, South Africa
Ntombiyenkosi Goodness Ngcobo	Executive assistant to the Chief Executive, South Africa

ASIA

NAME	OFFICE
Indra Prasad Kattel	General Director, Nepal
Abhay Chandra	Director, India
Raaj Suri	General Director, Mumbai
Dr. Gurpal Singh Sethi	Deputy Director, Mumbai
Rina Pua	Director, Singapore
Kong Xiaoli	President, China

GLOBAL DEVELOPMENT AND ACADEMIC PARTNERSHIPS

NAME	OFFICE
Dr. Michele Vincenti	Director of global academic partnerships in artificial intelligence and cyber security; Associate Dean for Graduate Studies, University Canada West, Vancouver
Dr. Karen Sumser-Lupson	Strategic Partner for global development and finance
Dr. Aleksandr Yampolskiy	Founder of SecurityScorecard, alliance partner

PART THREE

The five sectors.

Sovereign artificial intelligence, cyber security, geothermal energy, carbon markets and geopolitical analysis: what the Group does and why these five belong in one platform.

WHY THIS PART EXISTS

Five sectors are a claim until somebody explains why they belong together. This part sets out the chain: artificial intelligence creates a security need, security creates an energy need, energy creates a measurement need, and all of them create a strategic need.

- 3.1 One platform, five sectors
- 3.2 How the sectors compound

3.1 · WHAT WE DO

One platform, five sectors.

The Group does not describe itself as a conglomerate. It operates five sectors that share one governance, one technical direction and one corporate signature.

The Group presents itself as a platform rather than as a group of companies, and the distinction is operational rather than rhetorical. The five sectors below share one governance, one technical

direction, one corporate signature and, in most cases, the same engineering force. A sovereign artificial intelligence programme and a geothermal module do not look alike, but they are sold to the

same counterparty, they are delivered under the same quality discipline, and each of them makes the other easier to place.

						
AI	AI SOFTWARE DEVELOPMENT & PRODUCTION	CYBER	CYBERSECURITY	GEO THERMAL AGS CLOSED LOOP SYSTEM	ENERGY	ENGINEERING & RESEARCH CENTERS
Software and AI code written from zero, own architecture, own code base.	3T parameters sovereign model, linear attention, own stack.	Defence in depth and offensive capability to test and assure.		Low temperature AGS starts from 55°C, sealed loop, continuous power.	Robotics, industrial automation and intelligent control systems.	Engineering research, proprietary methods, independent innovation.

OUR SECTORS



STRATEGIC PARTNERS



Our sectors. Artificial intelligence with sovereign models and code written from zero; advanced geothermal systems; sustainability and

decarbonisation; and geopolitical analysis at institutional level, with the strategic partners of the Group set out beneath them.

SECTOR	WHAT IT IS	WHERE IT IS BUILT	PRESENT POSITION
Sovereign artificial intelligence	Design and construction of artificial intelligence systems from the first line of code: architecture, corpus, tokeniser, training, cryptography, platform and deployment. The AURYNTHEON architecture is the frontier programme of this sector.	Lalitpur, Nepal; the Emirati centre; the European axis	Production capability operating and certified. AURYNTHEON at architecture and mathematical stage.
Cyber security and digital sovereignty	Proprietary cryptography at 4096 bit, zero trust architectures, deployment security for artificial intelligence models, offensive and defensive security, continuous third party risk measurement.	Lalitpur; the European axis; Sofia	Operating, with the whole cryptographic stack authored in house. External and independent measurement is carried by the strategic alliance of Part Seven, which sits outside the department.
Advanced geothermal energy	A modular platform that converts heat from 55 degrees Celsius upward into continuous electricity, through a sealed loop that needs no volcanic geology and consumes no water.	Bursa, Turkiye, with RePG Energy; Brindisi for the plant engineering	Industrial machine certified and operating in the field. Advanced geothermal integration at pilot stage.
Carbon markets and decarbonisation	Emissions reduction and abatement programmes, carbon credit project development and verification, environmental and social impact assessment, reporting.	New Cairo for assurance; the Emirati, Indian, Chinese and African perimeters	Measurement, assurance and project development operating through the branch network and the Egyptian centre. Trading in the carbon market itself is not yet an activity of the Group: it is planned to begin between 2028 and 2030.
Geopolitical analysis	Institutional intelligence supporting sovereign counterparties: the reading of the regulatory, industrial and strategic environment in which the other four sectors are deployed.	The Office of the Chief Executive Officer and the institutional relations network	Operating, transversal to the other four sectors.

Each sector is scoped to a structural transformation of this decade, and each is anchored to an operating asset rather than to a market study: the artificial

intelligence centre of Lalitpur, the cryptographic stack the Group wrote itself, the certified geothermal machine of Bursa, and the assurance platform of New

Cairo. The test the Group applies to itself is simple: for every sector it declares, it must be able to name the floor, the payroll and the certificate behind it.

3.2 · THE PLATFORM EFFECT

How the sectors compound.

The reason to hold five sectors in one platform is that each of them creates the institutional need that the next one answers.

A government that commissions a sovereign artificial intelligence system immediately acquires a cyber security problem: the model, its weights and the parameters that govern its behaviour become national assets that must be protected at rest, in transit and at the moment of inference. The Group answers that need with cryptography it wrote itself, described in Part Five.

An artificial intelligence system at national scale then acquires an energy problem. Computation is electricity, and in the principal European hubs a new grid connection now takes between

seven and ten years. The Group answers that need with a geothermal platform that produces continuous power on site and, in the same movement, recovers the heat the machines reject. That is Part Nine.

An industrial operator that installs that energy platform acquires a measurement problem: emissions avoided, thresholds not exceeded, penalties not paid, and where the rules permit it, carbon credits generated. The Group answers that need through the assurance and decarbonisation centre of New Cairo and through the carbon perimeter of the branch network.

The Group is deliberate about where that answer stops today: it measures, it verifies, it develops projects and it reports, and it plans to begin trading in the carbon market itself between 2028 and 2030.

And every institution that engages on any of these fronts acquires a strategic problem: which jurisdiction, which regulatory regime, which alliance, which timing. That is the fifth sector, and it is the reason the Group is present in the capitals of Part Eleven through the Country Presidents rather than through agents.

Sovereignty is not a certificate that can be granted. It is a property of what an institution owns, and it exists only if the institution can operate the system without the party that built it.

THE DOCTRINE OF THE PLATFORM



PART FOUR

Artificial intelligence: sovereign software from zero.

Very few organisations design an artificial intelligence system from the first line of code. This part explains what that means, how the Group does it, and where the AURYNTHEON programme stands.

WHY THIS PART EXISTS

The first of the two things the Group actually builds. It comes before the map of the branches because institutional access is worth nothing without a technology to carry through it.

- 4.1 What building from zero actually means

4.2 The eight stages of sovereign production

4.3 The engineering stack and what it builds

4.4 The engineering, in depth

4.5 AURYNTHEON: the sovereign architecture
- 4.6 Development status, honestly stated

4.7 The comparative landscape

4.8 The market as it now stands

4.9 The global strategic context

4.10 The separation from China, stated in writing

4.1 · THE FIVE TIERS

What building from zero actually means.

Almost every organisation that says it does artificial intelligence is doing one of five very different things. The distance between the first and the fifth is the distance between renting intelligence and owning it.

THE RULE	WHAT IT MEANS, WITHOUT QUALIFICATION
No third party code	Every line of code is written in house. Zero dependencies on the external artificial intelligence programming interfaces of any commercial provider.
No external pre trained models	Models are trained from scratch on proprietary data and on controlled infrastructure. No derivative training from external pre trained models outside licensed control.
Proprietary cryptography	An in house, quantum resistant cryptographic stack, integrated at every layer, never licensed and never shared.
Sovereign deployment	On premise or sovereign cloud deployment. Everything runs within the secure perimeter of the client, with a zero trust architecture verifiable to institutional and defence standards.

The four rules of sovereign production, as the Group states them to counterparties.

The phrase artificial intelligence covers activities that have almost nothing in common. A company that connects to a foreign model through an interface and a

company that designs its own architecture, engineers its own training corpus and trains the system on its own infrastructure both describe themselves in the

same words. For an institution that has to decide where its data goes, who can switch the system off and

what happens if a licence is withdrawn, the difference is everything.

The Group therefore uses an explicit scale of five tiers. It is set out below exactly as it is used

internally, without softening the lower tiers, because most of the market operates in them.

TIER	WHAT IS ACTUALLY DONE	WHAT THE INSTITUTION ENDS UP HOLDING
I	Integration or resale of an external interface	A contract, not a system. Data leaves the perimeter at every query and the capability disappears with the contract.
II	Construction of prompts and agents on top of somebody else model	Workflow value only. The intelligence remains external and can be changed or withdrawn without notice.
III	Fine tuning of open weights	An adapted artefact. No architecture, no corpus, no tokeniser, no training pipeline, and the inherited liabilities of the base model.
IV	Continued pre training and adaptation at scale	Substantial capability, but the architecture still belongs to somebody else and independence remains tied to an upstream licence.
V	From scratch sovereign engineering	The architecture, the corpus, the tokeniser, the training, the cryptography, the platform and the deployment. All owned, all auditable, and all operable without the party that built them. This is the tier at which the Group works.

The five tiers of artificial intelligence production, as used inside the Group.

AI SOFTWARE FROM SCRATCH

TRUSTED BY LEADING GLOBAL INSTITUTIONS







CERTIFIED ENGINEERING COMPETENCIES



ISO 9001
Quality Management Systems



Oracle
Partner Network



Microsoft
Solutions Partner



Cisco
Partner



Red Hat
Technology Partner

ADVANCED SECURITY



FIPS 140-2/3
Cryptographic Module Security

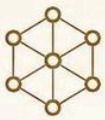


NIST PQC
Post-Quantum Cryptography Ready

AI ENGINEERING CAPABILITIES



CUSTOM AI
Tailored AI solutions aligned to your mission, data, and sovereignty requirements.



AI MODELS
Design, train, fine-tune, and optimize state-of-the-art models for enterprise and domain-specific use.



SECURE ARCHITECTURE
Zero-trust, sovereign-first architectures with privacy, resilience, and compliance by design.



FULL-STACK
End-to-end development across desktop, web, mobile, and enterprise platforms.



DATA ENGINEERING
Secure data pipelines, governance, quality, and scalable infrastructure for AI at scale.



DEPLOYMENT
Production-grade deployment with DevSecOps, monitoring, and lifecycle management at scale.

The reason so few organisations operate at the fifth tier is that it requires four capabilities at the same time: the mathematics to design an architecture, the engineering to train it at scale, the cryptography to protect it, and the certified delivery discipline to put it into production inside a ministry.

Frontier laboratories hold the first two but deliver a hosted service rather than a transfer of sovereignty. Systems integrators hold the fourth and assemble the rest on top of third party models. Cloud providers hold the infrastructure and offer contractual sovereignty rather than

architectural authorship. The Group is one of the few organisations that holds all four, and it is the reason this section exists at all.

THE FOUR QUESTIONS A PROCUREMENT AUTHORITY IS ENTITLED TO ASK

Four consequences follow from the tier at which a system is built, and each of them is a question that can be put to any supplier before signature. Where does the data go at the moment of inference, and under whose jurisdiction does it then sit. What happens to the deployed system if the upstream provider changes its terms, its

pricing, its availability in the territory or the behaviour of its model. Can the system be operated at all in an environment without external connectivity, which is the ordinary condition of defence, critical infrastructure and classified deployments. And at the end of the engagement, what precisely does the institution own: a running system with its weights, its

documentation and its trained operators, or a dependency it must renew.

The Group does not disparage the lower tiers. Tiers one to four have legitimate and often excellent applications; for many commercial problems they are the correct answer, and the Group itself integrates commodity components where sovereignty is not at stake. But when the requirement is sovereign, the tier is not a preference. It is the requirement.

We engineer certified artificial intelligence software from scratch. No third party dependencies. No black boxes. No compromises. Sovereign, secure, certified, built to endure.

THE DOCTRINE OF THE DEPARTMENT, AS IT IS STATED TO COUNTERPARTIES

4.2 · METHOD

The eight stages of sovereign production.

From zero to deployment: the production doctrine that turns an institutional requirement into an artificial intelligence system the institution owns.

The Group does not begin with a model. It begins with a jurisdiction. The first deliverable of any sovereign programme is not code:	it is a sovereignty specification that answers where the data lives, how it is classified, on which infrastructure the system will run,	what audit and retention obligations apply, and what happens on the day the institution decides to continue alone.
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STAGE	WHAT IS ENGINEERED	WHAT IT PRODUCES
1. Institutional framing	Jurisdiction, data classification, target infrastructure, audit and retention obligations, exit position	The sovereignty specification of the programme
2. Corpus engineering	Licensed and provenanced acquisition, cleaning and deduplication at scale, domain corpora built with the experts of the institution, deliberate coverage of non Latin scripts and under served languages, documented synthetic augmentation where data is scarce	The training corpus, with the provenance of every source documented
3. Tokenisation and representation	Morphology aware segmentation, terminology, numerals, dates and identifiers treated as first class objects, token efficiency measured language by language	The tokeniser, tuned to the languages the institution actually uses
4. Architecture authoring	Parameter budget and active fraction, attention class and context length, depth and width schedule, routing and gating for sparsity, integration of the security layer	The architecture itself. Almost no institution outside a very small international set performs this stage at all
5. Training engineering	Data, tensor and pipeline parallelism, memory and throughput engineering, checkpointing and failure recovery, curriculum and learning rate schedules, real time instrumentation	The trained system, from one billion parameters upward
6. Evaluation and ablation	Standard held out evaluation, domain evaluation with the experts of the institution, adversarial evaluation with the cyber vertical, ablation documentation for every architectural claim	Evidence, and regression suites that follow the system for its entire life
7. Adaptation and integration	Instruction and preference adaptation, retrieval with access rights preserved, behavioural policy aligned to the obligations of the institution, and the platform around the model: interfaces, workflows, dashboards, administration	A system people can actually use

STAGE	WHAT IS ENGINEERED	WHAT IT PRODUCES
8. Deployment and operation	Installation on the infrastructure of the institution or on sovereign cloud, containerised, reproducible and versioned, cryptography at rest, in transit and at inference, split key custody, drift monitoring, incident procedure, retraining cadence, training of trainers	An operating system the institution can run without the builder

The eight stages run inside the certified quality management system of the Group, with the full software development lifecycle: requirements, system design documentation, configuration management, test strategy, defect management, penetration testing before go live and formal acceptance.

Why stage four is the dividing line.

Stages one to three and five to eight are performed, in some form, by many capable engineering organisations. Stage four, the authoring of the architecture, is performed by very few, and it is the stage that determines whether the institution ends up owning a system or renting one.

Corpus, tokeniser, architecture, training, evaluation, adaptation, platform, deployment. Eight stages, one institutional perimeter, no external dependency inserted along the way.

THE PRODUCTION DOCTRINE IN ONE LINE

4.3 · CAPABILITY

The engineering stack and what it builds.

Five engineering categories, six classes of model and six verticals, carried by a bench of more than one hundred professionals across Nepal, Italy, Bulgaria and the Gulf.

100+	4	5	6	6
PROFESSIONALS ON THE ARTIFICIAL INTELLIGENCE, CYBER AND DIGITAL BENCH	COUNTRIES IN WHICH THAT BENCH SITS	ENGINEERING CATEGORIES	CLASSES OF MODEL	VERTICALS SERVED

The bench is not the headcount of the Group and should not be read as such. More than one hundred professionals work inside the artificial intelligence, cyber security and digital engineering network:

engineers, architects, database and infrastructure specialists, quality assurance and programme management, resident in Nepal, Italy, Bulgaria and the Gulf. It is in continuous expansion, and it is

distinct both from the group wide engineering population and from the fifty certified engineers of the Lalitpur centre alone.

From sovereign infrastructure and encryption to the AURYNTHEON model and full-stack applications.



From sovereign infrastructure to the application. Data engineering and sovereign cloud, the proprietary hybrid encryption framework, the model layer

with domain specific adaptation and end to end machine learning operations, and applications for governments, defence, banking,

healthcare, agriculture, energy, decarbonisation and the consumer sectors.

CATEGORY	WHAT THE GROUP OPERATES
Model engineering	Python and a production deep learning toolchain, distributed training frameworks, custom data pipelines, experiment tracking and ablation infrastructure, quantisation and distillation.
Application engineering	Django, React, .NET, Java with Spring, PHP with Laravel, mobile and desktop clients, microservice and application programming interface architectures, enterprise integration.
Data engineering	Oracle, PostgreSQL, MySQL and SQL Server at national scale, petabyte class pipelines, high availability, disaster recovery and Data Guard, certified database administration.
Infrastructure	Containerised deployment and secure development operations, on premise clusters, government cloud and sovereign cloud environments, secure network architecture, firewalls and virtual private networks, lifecycle automation.
Security	The proprietary cryptographic stack including the 4096 bit work, zero trust, hardware security module key custody, vulnerability assessment and penetration testing, and supply chain security. Continuous external rating is carried through the strategic alliance described in Part Seven, which sits outside this department and outside everything it builds.

THE SIX CLASSES OF MODEL, AND WHO THEY ARE FOR

CLASS OF MODEL	WHAT IT IS ENGINEERED TO DO
Conversational and assistant	Vertical assistants for administrations and enterprises, operating on the document estate and the procedures of the institution itself, with access control preserved and every answer attributable to its source.
Multilingual language	Language coverage engineered for the jurisdiction, including non Latin scripts and under served morphologies; translation, summarisation, classification and extraction across institutional corpora.
Document and process intelligence	Registries, filings, claims, procurement files, case records and financial instruments: the paper on which an administration actually runs.

CLASS OF MODEL	WHAT IT IS ENGINEERED TO DO
Analytical and forecasting	Time series and structured data models for budgetary, logistical, energy and operational planning, integrated into the management information systems the Group also builds.
Perception and embedded	Sized for constrained hardware, for autonomous systems, robotics fleets, inspection and industrial environments, under the artefact protection regime of Part Five.
Private institutional	Operated for institutional clients through the centres of the Group, under the custody regime of Part Five, at the sole discretion of the Group.

Around every model the Group builds the system that carries it: the interfaces, the workflows, the administration, the integrations. The intelligence and the platform

are engineered by the same institution, under the same quality system, and delivered as one deliverable rather than as two procurements.

THE SIX VERTICALS, AND WHAT IS BUILT IN EACH

VERTICAL	THE SYSTEMS
Public administration and finance	Treasury, budget, revenue, labour, registry and citizen channel platforms, of the class set out in section 6.5.
Defence and critical infrastructure	Systems engineered to operate without external connectivity, under the artefact protection regime of Part Five, within the dual use discipline of the technology doctrine of the Group.
Energy and industry	Operational intelligence, forecasting and optimisation across industrial estates and energy infrastructure, integrated with the control and reporting environments the institution already operates.
Health and social protection	Logistics and supply chain platforms, digital health profiling and the linkage of social protection.
Robotics and autonomous systems	Embedded perception and conversational intelligence for machines in the field, with model custody at the level of the fleet.
Finance, telecommunications and enterprise	Document and process intelligence, risk and reconciliation systems, and customer facing multilingual assistants operating inside the perimeter of the institution itself.

The end to end perimeter of the department runs from defence and critical infrastructure to healthcare, energy, finance, public administration, telecommunications, aerospace, advanced manufacturing, and robotics and autonomous systems. The Group does not adapt third party architectures. It designs them.

A ROBOT IS A DEPLOYED MODEL

The robotics position of the department follows from a single observation. A robot is a deployed model: its intelligence lives as trained artefacts operating on machines in the field, on hardware the operator does not always control, in environments the operator cannot always secure. For a robotics partner that produces three concrete advantages. Conversational and perception models are engineered from scratch for the platforms of the

partner, including multilingual natural language processing with full Arabic language capability. A cryptographic protection regime covers the model artefacts at rest, in transit and at the moment of inference on the machine itself. And the whole is independent of foreign commercial programming interfaces, which is increasingly a condition of governmental and critical infrastructure procurement in the Gulf as it is in Europe.

THE FIVE FORMS OF ENGAGEMENT

FORM OF ENGAGEMENT	WHAT THE COUNTERPARTY RECEIVES
Sovereign build	A system designed, trained and delivered on the infrastructure of the institution, with the source, the documentation, the trained operators and the exit position all defined at stage one.
Joint centre	A resident engineering capability built together with a local partner under joint governance, drawing on the global bench of the Group during the foundation phase and transferring capability to resident personnel thereafter.
Programme delivery	Engineering capacity from the certified bench, integrated into the programme of the institution itself, under the quality system of the Group.
Private model operation	Access to the private models of the Group, operated by the Group, at its sole discretion.

FORM OF ENGAGEMENT	WHAT THE COUNTERPARTY RECEIVES
Security and assurance	Cryptography, penetration testing, red teaming and continuous external rating, on systems built by the Group and on systems built by others.

4.4 · WHAT IS ACTUALLY HARD

The engineering, in depth.

Six technical positions that separate an institution which authors an architecture from one which inherits it. They are set out here because they are the questions on which a system costs what was budgeted or three times that, and serves the officials it was bought for or a fraction of them.

ACTIVE PARAMETERS AGAINST TOTAL PARAMETERS

Routing only part of a very large model for each query is what makes the economics of a sovereign system work, and it introduces three engineering problems that the architecture work of the Group exists to solve. The load has to stay balanced across the sub networks, so that capacity is neither wasted nor overflowed. The routing function has to stay stable through training rather than collapsing onto a handful of favoured paths. And the parallelism has to be engineered so that sub networks

distributed across devices do not turn every query into a communication storm. These are the problems on which an architecture is either authored or inherited, and inheriting them means inheriting somebody else answers to all three.

ATTENTION, AND THE CACHE NOBODY DISCUSSES

The direction of the Group combines linear complexity attention layers with a minority of conventional layers, placed where global comparison genuinely earns its cost. The second cost is the one rarely discussed: the cache of

intermediate state that an autoregressive model maintains while it generates. It grows with every token in the context and with every concurrent user, and in production it is usually the memory ceiling rather than the compute that determines how many officials can use a system at the same time on a given cluster. The decisions taken at stage four about the structure of that cache determine the concurrency an institution obtains from hardware it has already bought.

THE FOUR NUMBERS TO DEMAND, AND TO DEMAND ON YOUR OWN HARDWARE

THE NUMBER	WHY IT DECIDES THE PROCUREMENT
Latency to the first token, under realistic load	What the user experiences at the moment of asking, when the system is not idle.
Sustained generation rate per concurrent user	Whether the system remains usable when the whole department is on it.
Concurrent users per accelerator	How much hardware the institution has to buy for the population it has to serve.
Energy consumed per thousand queries	The operating cost of the system for the rest of its life, and the figure that decides whether it can be run at all where power is constrained.

A vendor operating at tiers one to three of the taxonomy cannot answer these questions about its own system, because the system is not its own.

PARALLELISM, AND THE HONEST INDICATOR OF A TRAINING ORGANISATION

Training at scale divides the work along four axes at the same time: replication of the model across devices each processing different data; partition of individual tensor operations within a node; partition of the layer stack into pipeline stages across nodes; and, for sparse

architectures, distribution of the specialised sub networks themselves. The measure of success is the fraction of theoretical hardware capacity actually converted into training progress, and it is the single most honest indicator of the competence of a training organisation. It is also the difference between a run that costs what was budgeted and one that costs three times as much.

Around those four axes sits the supporting engineering: activation recomputation and sharding of the optimiser state; a reduced precision numerical strategy with loss scaling discipline; a checkpoint cadence calibrated against the observed failure rate of the cluster rather than against a convention; and continuous instrumentation, so

that a divergence is caught in the hour it begins rather than in the week it is discovered.

SIZING BEFORE SPENDING

Before an institution commits to a scale, a ladder of controlled small scale runs establishes, for its own domain and its own languages, the capacity actually worth building and the corpus volume required to train that capacity properly. An institution that skips this step

characteristically buys a model too large for the data it possesses, and then pays for that mismatch on every query for the rest of the life of the system.

COMPRESSION, DISTILLATION AND THE MACHINE IN THE FIELD

Putting a model on constrained hardware uses reduced numerical precision, distillation of a smaller model that inherits the behaviour of a larger one on the domain that

matters, and pruning and restructuring where the architecture permits it. The engineering question is never compression in the abstract but the measured behaviour after compression on the evaluation set of the institution itself, together with the deterministic fallback that governs what the machine does when the model is uncertain. An intelligent machine that fails closed is an engineering choice, and it is the one the Group makes.

Architecture is not a preference exercised at design time. It is the cost, the concurrency and the deployability of the system for its entire operational life.

WHY THIS SECTION EXISTS

4.5 · THE FRONTIER PROGRAMME

AURYNTEON: the sovereign architecture.

AURYNTEON is the corporate signature of the Group and the name of its frontier architecture programme: a proprietary design for sovereign artificial intelligence at very large scale, authored and led by the Chief of Staff and Lead Artificial Intelligence System Architect of the Group, and held as a strategic reserve.

AURYNTEON starts from a thesis about where the next generation of artificial intelligence will be decided. Not by the total number of parameters a system declares, but by three properties: the fraction of the system that is actually evaluated for each query, the complexity class of the attention mechanism over very long

contexts, and whether the security of the deployment is integrated into the architecture itself or bolted on afterwards.

From that thesis the programme takes four design principles: multi scale learned sparsity; linear complexity temporal attention for contexts measured in millions of

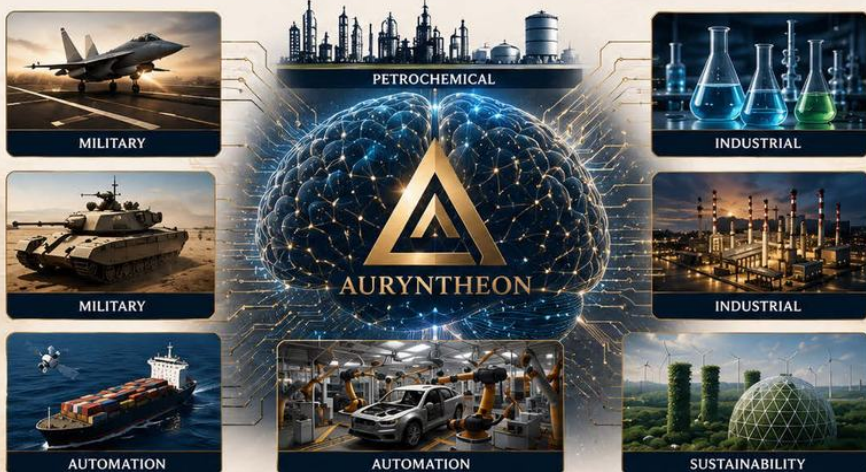
tokens; architectural upcycling of components already validated in the scientific literature rather than novelty for its own sake; and a dual function design in which the gating primitives of the architecture and the cryptographic verification of the security layer are the same engineering object.

AURYNTEON: THE ENTITY

3 TRILLION PARAMETER ACTIVE COGNITIVE ARCHITECTURE



COGNITIVE OS:
A unified system orchestrating multiple domains, not just a language model.





THE BRAIN ANALOGY:
Architecture inspired by biological neural efficiency and adaptive threshold neurons.



SPARSE ACTIVATION:
3 Trillion Total Parameters, but only ~50B active per query for extreme efficiency (45W/query).



UNIFIED INTELLIGENCE



EXTREME EFFICIENCY



SECURE BY DESIGN



SCALABLE ACROSS ANY DOMAIN



SUSTAINABLE BY NATURE



MULTI-DOMAIN:
Native capabilities in Military Strategy, Industrial Automation, and Sustainability.

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AURYNTHEON. The corporate signature of the Group: artificial intelligence, robotics and cyber security held together by one architecture and

one scientific direction.

WHAT THE FOUR PRINCIPLES MEAN IN ORDINARY LANGUAGE

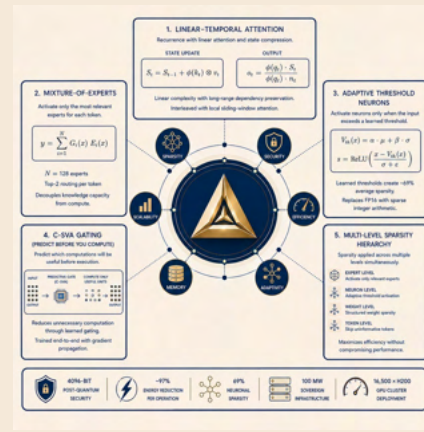
Sparsity. A very large model does not need to switch on all of itself to answer a question. In the AURYNTHEON design the system is dimensioned at three trillion parameters in total, but only fifty to seventy billion are active for any single query: roughly two per cent of the whole. The consequence is economic rather than academic. The cost of running the system, in electricity and in silicon, follows the active fraction, not the declared size.

Linear attention. In a conventional architecture the cost of reading a long document grows with the square of its length: double the text and the work quadruples. A linear complexity mechanism grows in proportion instead: double the text and the work doubles. For an institution that has to reason across an entire legal corpus or an

entire year of operational records, that is the difference between possible and impossible.

Upcycling. Where a component has already been proved to work in the published literature, the programme adopts it rather than reinventing it, and concentrates original work where original work is actually required.

Security as architecture. The mechanism that decides which part of the model activates and the mechanism that verifies that the model has not been tampered with are, deliberately, the same object. A model whose parameters have been altered fails its own gating check and stops, rather than continuing to answer with a corrupted brain.



The architecture and its core mechanisms. The hybrid sparse temporal design, the gating and routing primitives, the temporal attention layer and the security layer, with the formal relations that govern each of them. The architecture is described in this way, and never rendered as an acronym.

The mathematical foundation is the part of the programme the Group considers decisive. The formulation is original and proprietary, and its stability, convergence and sparsity properties have been demonstrated analytically. The order matters: in this programme the mathematical proof precedes the empirical validation and structurally enables

it, rather than being reconstructed afterwards to explain a result obtained by trial. That is an unusual position, and it is the reason the scientific cooperation described in Part Six was entered at the level of an academy of sciences rather than a commercial laboratory.

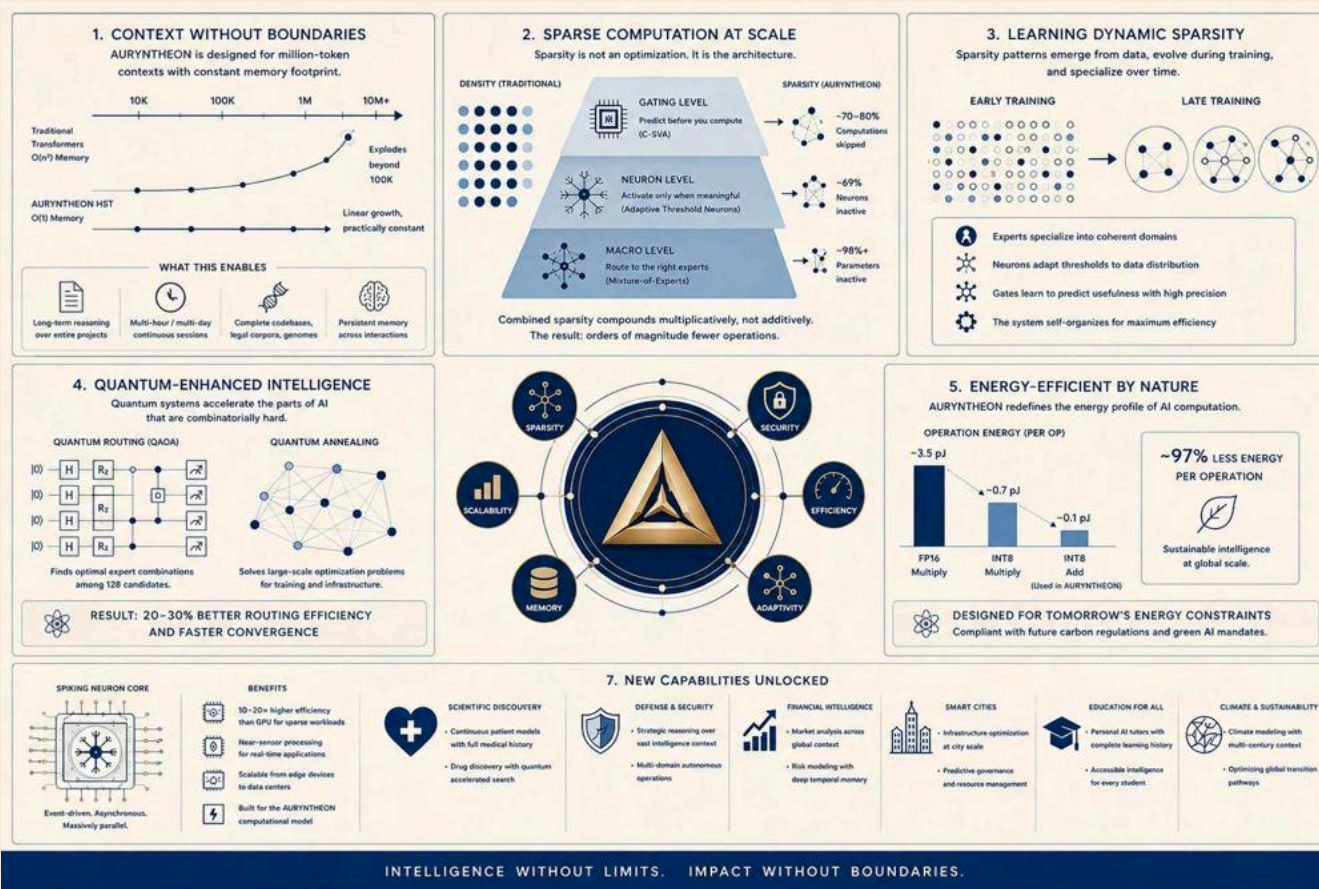
The comparative half of that claim is stated by the Group as plainly as the claim itself. The most advanced national programme in the world operates in this architectural class by empirical iteration at immense compute scale, not through prior analytical proof. The Group holds precisely the element that programme lacks, and that, on the institutional verifications it has conducted, no American or European actor possesses either. The direction was reached in

autonomy and in advance of the convergence now visible elsewhere, and not by imitation.

AUTHORSHIP, AND WHY IT IS STATED

The programme is authored and led by one person: the Chief of Staff and Lead Artificial Intelligence System Architect of the Group, with a continuous documented research record running back to his Master research at the University of Technology Sydney. His full record is set out in section 6.2. The Group states the authorship rather than presenting the programme as an institutional product because the two things have different consequences: only the author can transfer the system, answer for its behaviour, secure it at the layer where it is actually exposed, and continue it when the environment changes.

How an asset of this class can and cannot be assessed. The number of individuals in the world today qualified to assess an asset of this class on its technical merits can be counted on the fingers of one hand. This is a statement of fact about the field and not a posture, and two consequences follow from it. An asset of this class is not verifiable through external review of documents: even were the entirety of the internal documentation, the mathematical specification and the engineering codebase to be disclosed in writing, which it will not be, the disclosure would not place the recipient in a position to render a technical judgement on it. It is assessed instead by working alongside the principal author, over time, within a confidentiality framework. That is the only assessment route the Group offers, and it offers it to counterparties who ask.



The technical perimeter. Seven panels of the architecture: sparse activation, temporal attention, the security layer, the deployment

envelope and the hardware trajectory that the training phase requires.

AURYNTHÉON deployment security architecture protects the trained artefact, meaning the

THE SECURITY LAYER IS NOT

SEPARATE

Every trained model is a file, and a file can be copied. The

weights and the full set of parameters that govern the behaviour of the system at inference, at rest, in transit and at the moment it is used, on servers and on machines deployed in the field. Two things distinguish it from ordinary practice: the cryptographic envelope extends beyond the weights to the parameters that decide how the system behaves, and the whole

layer was designed together with the architecture rather than added to it. The full technical description is in Part Five.

are not released to any counterparty under any instrument: the architecture technical brief, the mathematical foundations, the complexity analysis and the mapping of the validation programme. No technical engagement on the protected substance of the architecture takes place with any counterparty of the Group, in any phase of any partnership.

The architecture is the reserve. The outputs are the offering. What the partnership sells is sovereignty, delivered.

THE RULE THAT GOVERNS EVERY CENTRE IN THE NETWORK

4.6 · WHERE THE PROGRAMME STANDS

Development status, honestly stated.

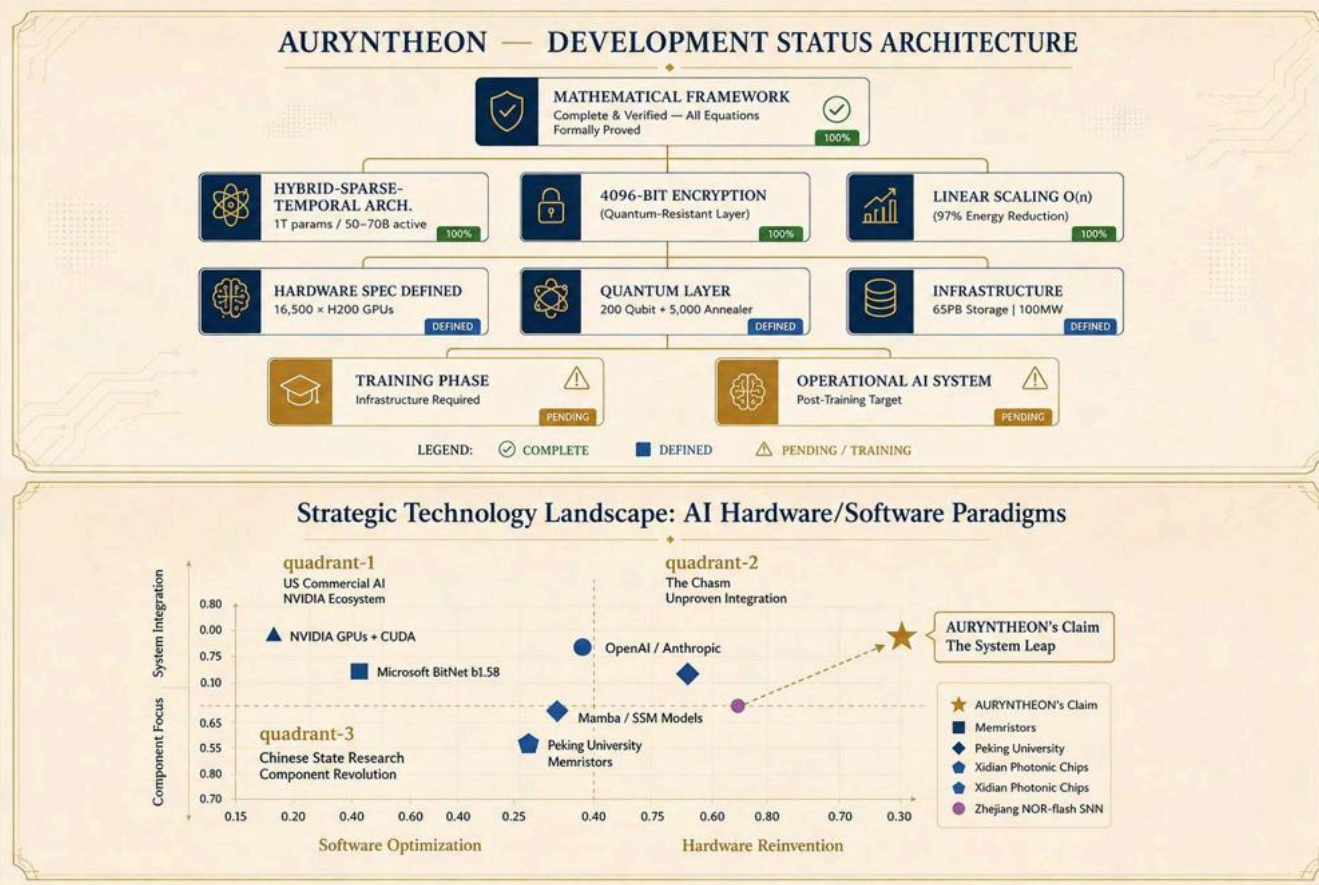
This volume states the position of the programme in the same four categories the Group uses internally: complete and formally verified, complete at the level of design, defined but not yet acquired, and pending.

CATEGORY	WHAT SITS IN IT
Complete and formally verified	The mathematical framework, with all equations proved analytically.
Complete at the level of design	The hybrid sparse temporal architecture, dimensioned at three trillion parameters with fifty to seventy billion active per query; the 4096 bit quantum resistant encryption layer; linear scaling in the length of the sequence, with the reduction in energy that follows from it.
Defined, not yet acquired	The infrastructure the training phase requires: the class of computing hardware, the quantum layer, the storage estate and the power envelope.
Pending, and expressly not claimed	The training phase itself, which awaits that infrastructure, and the operating system that is its target once training is complete.

On the European technology readiness scale the integrated sovereign architecture and its deployment security architecture are reported, conservatively, at level three: analytical and experimental proof of concept, with component level validation resting on peer reviewed precedent for similar building blocks at smaller scale. The engineering execution capacity of the Group, which is a separate asset, is mature,

certified to ISO 9001:2015 and in daily production. The Group does not present pilots of the integrated system, because the prototype phase has not been closed, and it does not introduce them before the architectural claims have been validated empirically at scale.

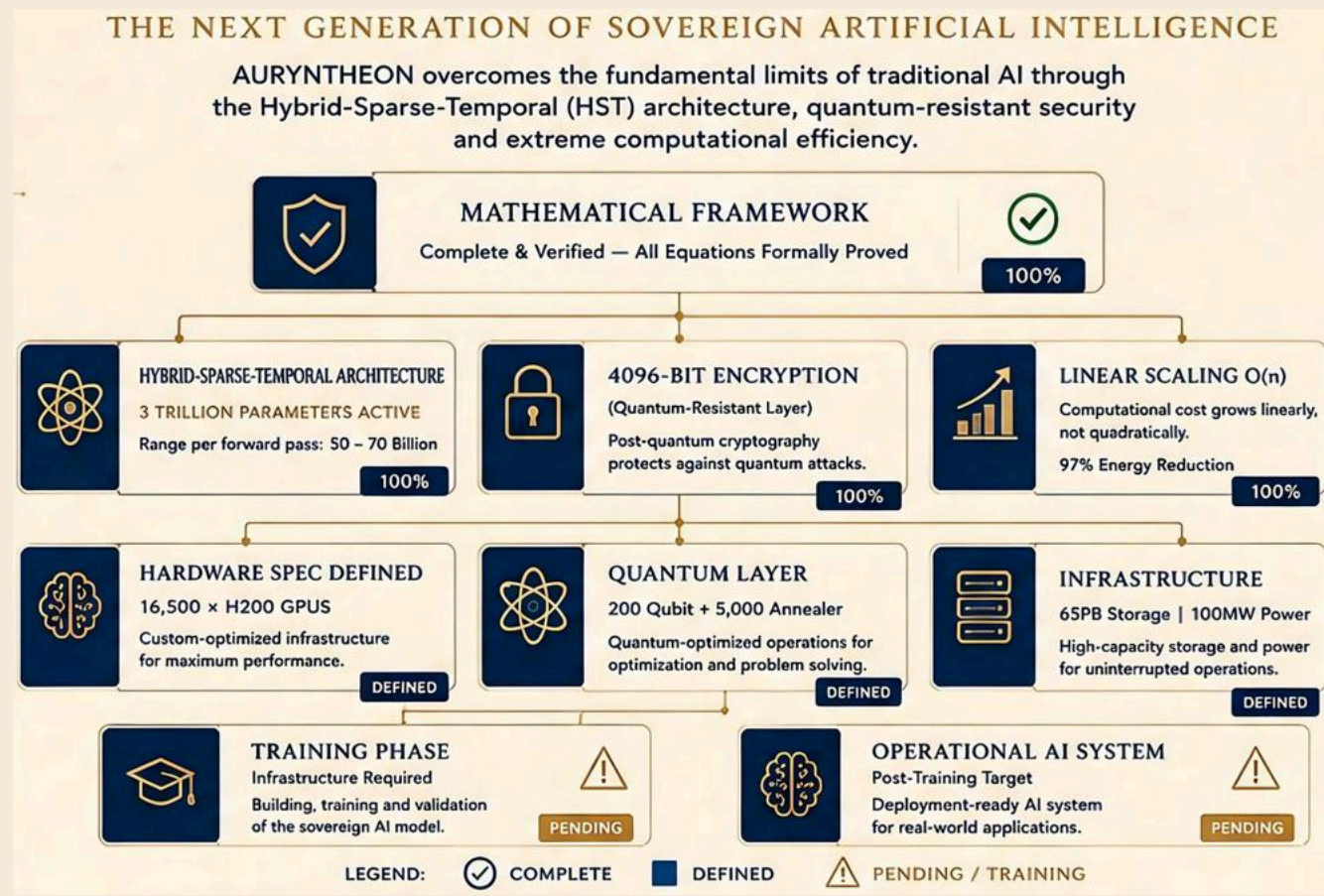
European perimeter, with programmes of the North Atlantic Treaty Organisation and with other European centres of competence. The second is the private corporate route, prepared internally and independent of any institutional instrument. The criterion for the choice is stated plainly: whichever route preserves, in full, the independence of the Group and its exclusive control over the asset.



Development status. The programme read against its own categories: the mathematical framework complete and verified, the

architecture and the encryption layer complete at design level, the infrastructure of the training phase defined but not yet acquired, and the

training phase itself expressly pending.



The road of the programme. The sequence from the formal framework to the trained system, and the position of the sovereign

architecture inside the next generation of institutional artificial intelligence.

WHAT IS VALIDATED, AND IN WHAT RESPECT

Theoretical validation is complete in three specific respects, and the Group names them rather than claiming validation in general: complexity theoretic, sparsity emergence, and energy per operation. Component level validation rests on peer reviewed published precedent for similar building blocks at sub scale, which is a precedent in the literature and not a published result of the Group. Empirical validation of the integrated system at scale is the explicit deliverable of the prototype phase and is not claimed in advance of it.

HOW THE ASSET IS PROTECTED, AND HOW IT IS GOVERNED

The asset is not patentable in any meaningful sense. It is protected by the trade secret regime applicable to assets of this class at the frontier of the field, supplemented by copyright on the implementation and by the contractual confidentiality architecture that surrounds every engagement with the technology.

The programme itself is conducted by the Group alone and for its own account, outside the perimeter of any cooperation this volume contemplates. The Group is not

seeking partners for it, and the involvement of a third party, if it were ever to occur, would be a separate and sovereign decision. Every centre of the network, including the future Emirati centre, is by construction qualified to draw on the outputs of the programme. None of them draws on the architecture.

WHY THE VALUE DOES NOT DEPEND ON A SINGLE OUTCOME

The value of the programme is engineered so as not to be contingent on one result, and it rests on five independent supports. The validated components each carry independent commercial application of their own. The trade secret regime protects the architectural know how durably. Scientific standing accumulates through peer reviewed publication as the programmes mature. The trained resident team is itself a strategic asset of any centre the Group establishes. And at every phase boundary both parties hold a fully evidence based decision basis, which is the opposite of a commitment made on a promise.

THE PROBLEMS THE ARCHITECTURE IS BUILT FOR

The programme targets a specific class of problems on which current architectures are structurally constrained: sovereign artificial

intelligence infrastructure for national administrations and public sector procurement bodies that require independence from foreign commercial interfaces; robotics and autonomous systems, where embedded intelligence, multilingual conversational capability and the protection of model artefacts on machines in the field are procurement requirements rather than features; energy constrained deployment, where the per query energy profile of a sparse architecture is decisive; long context reasoning in scientific, engineering, legal and regulatory analysis; and critical infrastructure deployments inside the security disciplines of Part Five.

What the Group does not claim.

AURYNTEON is not presented in this volume as a trained system, nor as a product in the market, nor as a pilot in operation. It is presented as what it is: an original architecture with a proved mathematical foundation, a defined security layer and a defined infrastructure requirement, held as a strategic reserve of the Group and protected by trade secret rather than by patent. Everything the Group delivers today to institutions is delivered by the engineering capability described in Part Six, which is operating, certified and referenced. What is mature is evidenced, what is in formation is declared as such, and what belongs to a later phase is not claimed in advance.

4.7 · WHERE THE GROUP SITS

The comparative landscape.

Six categories of actor build artificial intelligence at institutional scale. Each of them is strong somewhere, and each of them leaves a gap.

CATEGORY	STRENGTH	THE GAP FOR A SOVEREIGN COUNTERPARTY
Frontier commercial laboratories	Unmatched capacity to build from zero at very large scale	Delivery is a hosted service. What the institution obtains is access, not sovereignty.
The Chinese national programme	Formidable, and genuinely from zero at scale	Jurisdictional exposure for Western and allied procurement. Validation reached by empirical iteration rather than by prior analytical proof.
European independents	The closest peer group, with real architectural capability	Cryptography is generally not integrated into the architecture, platform breadth is narrower, and the certified delivery record is usually shorter.

CATEGORY	STRENGTH	THE GAP FOR A SOVEREIGN COUNTERPARTY
Global systems integrators	Delivery scale and government relationships	The artificial intelligence substance is characteristically assembled on top of third party foundation models: tier two and tier three of the scale in section 4.1.
Hyperscale cloud providers	Infrastructure and contractual sovereignty	Contractual sovereignty is not architectural authorship. The architecture remains somebody else.
National research institutes and academies	Scientific depth of the first order	They are not delivery organisations. The Group works with one of them, in Sofia, precisely for this reason.

THE SEVEN CAPABILITIES, CATEGORY BY CATEGORY

CAPABILITY	FRONTIER LABS	CHINESE PROGRAMME	EUROPEAN INDEPENDENTS	INTEGRATORS	HYPERSCALERS	THE GROUP
Architecture designed in house	Full	Full	Partial	Not typical	Partial	Full
Training from zero on own corpora	Full	Full	Partial	Not typical	Partial	Full
Proprietary cryptography at architecture level	Not typical	Not typical	Not typical	Not typical	Not typical	Full
Delivery that transfers sovereignty	Not typical	Partial	Partial	Partial	Not typical	Full
Certified delivery record over a decade	Not applicable	Partial	Partial	Full	Full	Full
Vertical engineering around the model	Partial	Partial	Partial	Full	Partial	Full
Independence from third party interfaces	Not applicable	Full	Partial	Not typical	Not typical	Full

The reading of the Group of publicly stated positioning as at August 2026, at the level of category rather than of any individual institution. It is offered as an analytical instrument for procurement, not as an assessment of any named counterparty.

4.7 · WHERE THE GROUP SITS

The comparative landscape.

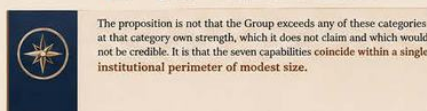
Six categories of actor build artificial intelligence at institutional scale. Each of them is strong somewhere, and each of them leaves a gap.

FRONTIER COMMERCIAL LABORATORIES	THE CHINESE NATIONAL PROGRAMME	EUROPEAN INDEPENDENTS	GLOBAL SYSTEMS INTEGRATORS	HYPERSCALE CLOUD PROVIDERS	NATIONAL RESEARCH INSTITUTES & ACADEMIES
					
Unmatched capacity to build from zero at very large scale. GAP: Delivery is a hosted service. What the institution obtains is access, not sovereignty.	Formidable, and genuinely from zero at scale. GAP: Jurisdictional exposure for Western and allied procurement. Validation reached by empirical iteration rather than by prior analytical proof.	The closest peer group, with real architectural capability. GAP: Cryptography is generally not integrated into the architecture. platform breadth is narrower, and the certified delivery record is usually shorter.	Delivery scale and government relationships. GAP: The artificial intelligence substance is assembled on top of third party foundation models: tier two and tier three of the scale in section 4.1.	Infrastructure and contractual sovereignty. GAP: Contractual sovereignty is not architectural authorship. The architecture remains somebody else.	Scientific depth of the first order. GAP: They are not delivery organisations. The Group works with one of them, in Sofia, precisely for this reason.

THE SEVEN CAPABILITIES, CATEGORY BY CATEGORY

CAPABILITY	ARCHITECTURE DESIGNED IN HOUSE	TRAINING FROM ZERO ON OWN CORPORA	PROPRIETARY CRYPTOGRAPHY AT ARCHITECTURE LEVEL	DELIVERY THAT TRANSFERS SOVEREIGNTY	CERTIFIED DELIVERY RECORD OVER A DECADE	VERTICAL ENGINEERING AROUND THE MODEL	INDEPENDENCE FROM THIRD PARTY INTERFACES
Frontier Labs	●	●	●	○	○	●	●
Chinese Programme	●	●	●	○	○	●	●
European Independents	●	○	●	○	○	○	○
Global Integrators	○	○	○	○	○	○	○
Hyperscalers	○	○	○	○	○	○	○
Research Institutes	○	○	○	○	○	○	○
THE GROUP	●	●	●	●	●	●	●

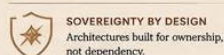
● Full ● Partial ○ Not typical ○ Not applicable



The proposition is not that the Group exceeds any of these categories at that category own strength, which it does not claim and which would not be credible. It is that the seven capabilities coincide within a single institutional perimeter of modest size.



On size, stated plainly. The Group is not a hyperscaler and does not present itself as one. It is a focused institution whose engineering depth is concentrated rather than distributed. For an institution that requires a system it will own, operate and audit within its own perimeter, concentration is an advantage: one architectural authority, one quality system, one accountable counterparty, and a client that finishes the engagement holding the system rather than a subscription.



SOVEREIGNTY BY DESIGN
Architectures built for ownership, not dependency.



ENGINEERING EXCELLENCE
Deep, verifiable capability across the full stack.

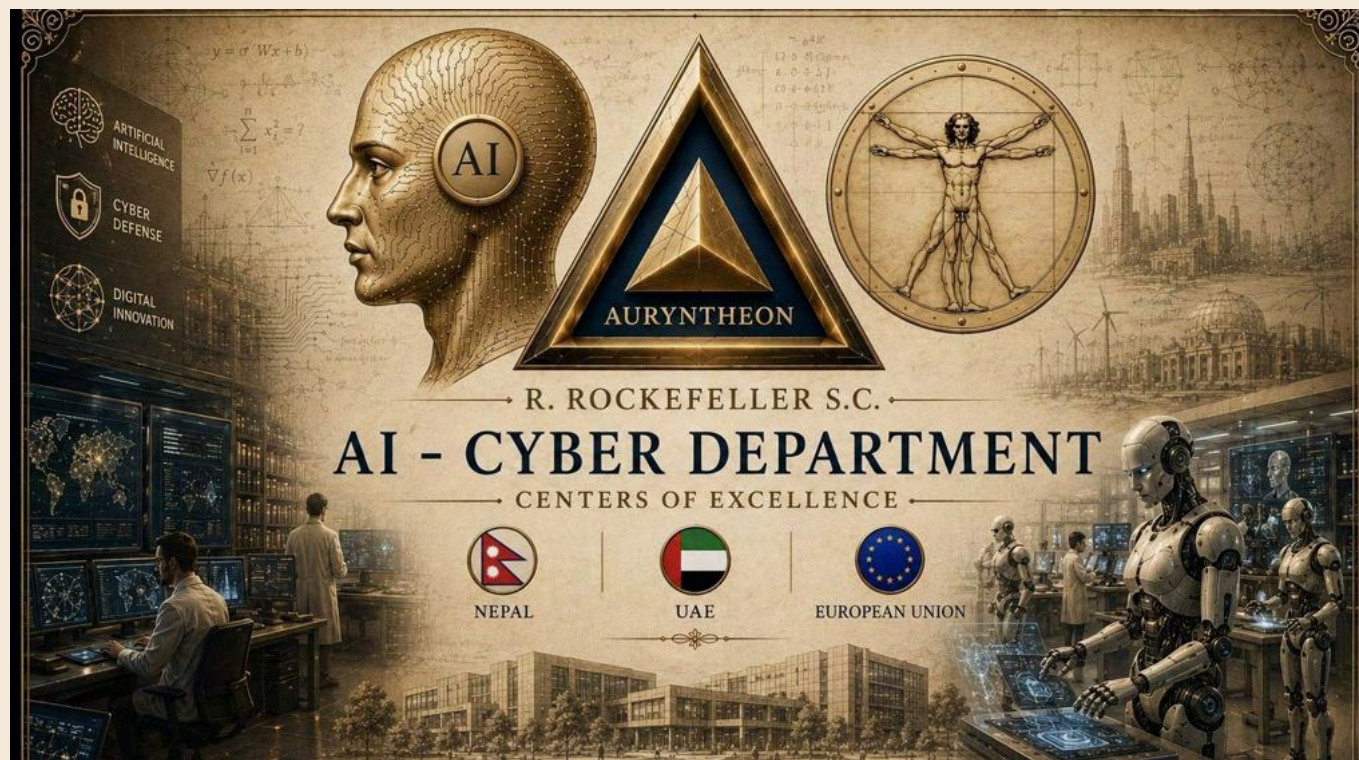


ACCOUNTABLE DELIVERY
Proven record, audited and certified.



GLOBAL IMPACT
Collaborating for a secure, zero-impact future.





The centres of excellence of the department.
The artificial intelligence and cyber department
of the Group under the AURYNTHEON signature,

with the operating centres that carry it.

4.8 · THE DEMAND

The market as it now stands.

Sovereign artificial intelligence has moved from declaration to line item. What follows is what the buyers are actually asking for, and what that asks of a supplier.

Sovereign artificial intelligence, meaning nationally controlled capability across the weights, the compute, the data pipelines and the people who produce them, has become a procurement category. The rationales governments state are consistent. Dependence on a small number of foreign laboratories, and on an equally narrow set of accelerator suppliers, is uncomfortable at the level of national risk. Language, cultural context and regulatory obligation argue for nationally controlled training data and inference. And the deployment architectures now specified in tenders are concrete about data residency rather than aspirational about it. National programmes and nationally sponsored model families exist across Europe, the Gulf, South and South East Asia and East Asia, and public procurement in several

jurisdictions is increasingly routed through them or through sovereign hosted variants of them.

THE GULF, SPECIFICALLY

In May 2026 the Cyber Security Council of the United Arab Emirates, together with the national telecommunications operator and a technology partner, launched a national sovereign artificial intelligence platform for infrastructure at national scale, announced in Abu Dhabi and open for onboarding: an environment for generative models, agents and analytics operating inside infrastructure controlled by the Emirates, governed by a sovereign artificial intelligence security framework that validates and monitors models, agents and workflows before they are admitted into sensitive environments.

In parallel, Abu Dhabi has set the objective of becoming the first fully artificial intelligence native government across its digital services by 2027, with full adoption of sovereign cloud for governmental operations and a large programme of applications across the public services. The Kingdom of Saudi Arabia and the State of Qatar are pursuing programmes of comparable ambition. This is the demand that Part Eleven of this volume describes the institutional access to.

WHAT THAT DEMAND REQUIRES OF A SUPPLIER

A validated, monitored, sovereign environment does not merely relocate a foreign model into a national data centre. Admission to environments of this class requires a supplier able to state what is

105 qubits at 99.90 per cent fidelity, available at global scale. Huawei has developed a framework for quantum machine learning workflows and operates a quantum cloud at 128 qubits. The quantum excellence centre of the national academy of sciences in Beijing has declared the objective of a machine of one thousand qubits by the end of 2027. These are not isolated research initiatives; they are infrastructure investments oriented toward consolidating the integration of quantum computing and artificial intelligence inside a perimeter of technological sovereignty.

THE WESTERN POSITION, STATED WITHOUT FLATTERY

The United States holds undisputed leadership in foundational research, but its architectural posture has, with limited exceptions, remained anchored to the dense transformer paradigm, with innovation taking the form of incremental refinement rather than of a paradigmatic shift. The European Union has excellent institutions within each individual dimension, from academic research networks to high performance computing infrastructure, quantum communication programmes and national champions, but it has not consolidated an integrated industrial programme combining the three pillars under a single

architectural direction with a proprietary mathematical foundation.

The synthesis the Group draws from that is stated with its qualifier attached. On the basis of the institutional verifications the programme has conducted, no Western initiative is presently identifiable that integrates a sparse mixture of experts architecture, linear complexity attention and quantum computing integration into a single coordinated industrial programme with proprietary mathematical foundations. That is a self assessed position, offered as such, and the specification of the architecture is not disclosed in any forum in order to support it.

For the jurisdiction, sovereign entry into the architectural race of the next generation. For the partner, the position at the door through which it enters.

WHAT THE PROGRAMME IS WORTH TO A COUNTERPARTY

4.10 · THE PERIMETER

The separation from China, stated in writing.

The Group operates a Chinese vertical in sustainability and carbon. It accepts nothing whatever with China in artificial intelligence or cyber security, and it documents that separation so that it can be verified.

The position is stated in the negative because that is the only form in which it is useful. The Group accepts no joint development, no technology transfer, no licensing, no model

artefacts, no training data, no source code, no cryptographic material, no research cooperation and no commercial engagement of any kind with China within the artificial intelligence and cyber

perimeter. This is not a commercial preference. It is doctrine, it is permanent, and it is a condition of the standing of the Group in the perimeters where its artificial intelligence capability is engaged.

DIMENSION OF ENFORCEMENT	HOW THE SEPARATION IS ACTUALLY HELD
Corporate	The Chinese vehicle is a separate legal entity with its own governance, scoped by its constitutive documents to the sustainability and carbon vertical, and holding no interest of any kind in the artificial intelligence and cyber security perimeter.
Technical	Separate infrastructure, separate credential domains and separate repositories. No source code, model artefact, training corpus, architectural documentation or cryptographic key of the artificial intelligence and cyber perimeter is accessible from, transmitted to, or replicated within the Chinese perimeter.
Personnel	No personnel of the Chinese perimeter hold roles, credentials or review functions in the artificial intelligence and cyber programmes, and the programmes of the Scientific and Technical Lead are conducted entirely outside it.
Contractual	Engagements of the sustainability vertical carry no technology transfer, licensing or co development rights over any asset of the artificial intelligence and cyber perimeter, and none will be granted.



PART FIVE

Cyber security and digital sovereignty.

A proprietary cryptographic stack, a deployment security architecture built for artificial intelligence models, a post quantum migration path, twelve operating domains and the regulatory perimeter inside which all of it has to stand.

WHY THIS PART EXISTS

Cyber security is not presented here as a separate business but as the layer that makes the artificial intelligence of the previous part deliverable to a ministry. It follows immediately for that reason.

5.1 The cryptographic work
5.2 The deployment security architecture
5.3 The post quantum position

5.4 Twelve domains
5.5 Cyber across the sectors
5.6 The compliance perimeter

5.1 · FOUNDATIONS

The cryptographic work.

The cyber security vertical of the Group is not built on resold products. It is built on cryptography the Group wrote itself, and on the engineer who wrote it.

The vertical was engineered from the outset to satisfy both civil enterprise and dual use requirements, architecturally rather than by retrofit, and its

disciplines are applied uniformly across every platform the Group delivers. That is the reason it sits here, immediately after the

artificial intelligence part, rather than in a catalogue of services at the back of the volume.

The origin of the cryptographic stack is a piece of academic work: a proprietary 4096 bit encryption algorithm developed by the Chief of Staff for artificial intelligence, cyber security and digital centres of the

Group as the final research of his Master degree at the University of Technology Sydney, and described there as a singular innovation in cryptographic systems. That work has since been carried into the

platform: it appears in the security row of the engineering stack, in the cryptographic engineering domain of the cyber department, and as the quantum resistant encryption layer of the AURYNTHEON architecture.

**CORE AREAS OF TECHNICAL SPECIALIZATION**

**ARTIFICIAL INTELLIGENCE AND CONVERSATIONAL AI SYSTEMS**
Advanced neural networks and natural language processing.

**CYBERSECURITY AND SECURE INFRASTRUCTURE ARCHITECTURE**
Proprietary 4096-bit encryption and zero-trust models.

**E-GOVERNANCE PLATFORMS AND PUBLIC FINANCIAL MANAGEMENT SYSTEMS**
Federal and Provincial digital transformation.

**ADDITIONAL EXPERTISE**

Optimized search algorithms & penetration testing.

Innovation: Developed unique 4096-bit encryption algorithm.

Cross-Sector: Defence, Tech - Research.

**INNOVATE**
Driving the future with intelligent solutions.

**SECURE**
Building trust through security and integrity.

**TRANSFORM**
Delivering impact through technology transformation.

**EMPOWER**
Empowering clients and communities through knowledge and technology.

 **RESEARCH AI · CYBER · MACHINE LEARNING** 

AURYNTHEON



UMBERTO COLELLA
RESEARCH AI – CYBERSECURITY
Chief of Staff · AI Cybersecurity Research

 GLOBAL MINDSET

 AI LEADERSHIP

 SECURE FUTURES

**ELITE TRACK RECORD**

Search Algorithm Optimization & Security

Cloud Architecture

Advanced Algorithm Design

Financial Cryptography

**4096-BIT ALGORITHM**

Proprietary 4096-bit encryption and zero-trust models.

Optimized for maximum security, performance and scalability.

Umberto Colella, Chief of Staff for artificial intelligence and cyber security. Scientific direction of the whole artificial intelligence and cyber perimeter of the Group. Author of the

proprietary 4096 bit cryptography and originating architect of AURYNTHEON, with an elite track record across Google, Microsoft, Sony and Euroclear, and specialisations in

conversational artificial intelligence, secure infrastructure architecture and electronic governance platforms.

Two consequences follow, and they are the reason the vertical exists. The first is that the Group can offer an institution a cryptographic regime that has not been licensed from anyone and is not shared with

anyone: the stack is never licensed out, and no third party component is placed inside the systems the Group builds. The second is that the same person who designed the architecture of the model designed

the cryptography that protects it, which is what makes the dual function design described in Part Four possible at all.

THE CERTIFICATION AND STANDARDS CONSTELLATION

DIMENSION	WHAT THE GROUP HOLDS, OR WORKS TO
Quality management	ISO 9001:2015, certified under a national accreditation body with international recognition, in its third triennial cycle.
Cryptographic custody	Hardware security modules at FIPS 140-3 level three; cryptographic implementation to the Common Criteria class EAL 4+.
Post quantum readiness	Alignment to the post quantum programme of the National Institute of Standards and Technology; hybrid classical and post quantum key wrapping; the European quantum communication infrastructure as compatibility perimeter.
Engineering credentials	Oracle Certified Professional, Microsoft Certified IT Professional, Cisco professional and associate network certifications and Red Hat Certified Engineer across the senior engineering bench; partner status with Oracle, Microsoft, Cisco and Red Hat at organisation level.
Deployment discipline	Deployments validated by vulnerability assessment and penetration testing inside government infrastructure; zero trust and sovereign first architectures; secure development operations and full lifecycle management.

The constellation is not decorative. It is the reason the platforms of the Group are accepted into government infrastructure.

R. ROCKEFELLER S.C.

Part Five · Cyber security and digital sovereignty

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5.2 · THREE LAYERS

The deployment security architecture.

A trained artificial intelligence model is a file. This is the architecture that stops that file from becoming somebody else property.

The exposure is structural rather than accidental. Trained large model artefacts are, in conventional engineering form, serialised tensor files on conventional storage. The artefact contains the entirety of the training investment; it can be copied bit for bit and redeployed on any infrastructure of comparable inference capacity. The protections that conventionally surround it operate at the layer of operational security, not at the layer of the artefact itself. In robotics the

problem is sharper still, because the artefact leaves the data centre and operates on machines in warehouses, malls, industrial sites and public spaces, physically accessible to adversaries.

The threat model is stated explicitly and covers four classes of adversary: a sophisticated state actor with signals intelligence capability, the ability to compromise a supply chain and a future capacity for quantum

cryptanalysis; a competing institutional actor; an organised criminal enterprise; and an insider with privileged access. The attack vectors follow from them: exfiltration of the model at rest, interception in transit, extraction from the memory of an inference server or an edge device, side channel model inversion and model stealing, compromise of the supply chain, and eventually a quantum attack on classical key exchange.

Two pillars, one institution: we engineer the intelligence, and we engineer its security. Neither is a service line attached to the other.

THE FORMULA OF THE DEPARTMENT

LAYER	WHAT IT PROTECTS	HOW
1. At rest	The weights and each class of parameter, serialised into distinct blocks, each under a unique data key generated per block and per deployment	An envelope in AES 256 GCM, with key wrapping in RSA 4096 under the custody of a hardware security module
2. In transit	Transfer between infrastructures, with a payload key at application level that is independent of the envelope at rest, exchanged between institutional signing identities and destroyed on completion	TLS 1.3 with cipher suites validated to federal standards, and an AES 256 payload
3. At inference	The routing, threshold and gating parameters, verified at every single call. If they have been altered, the alteration is detected at the next call and inference is aborted	An HMAC SHA 256 integrity check over the parameter blocks, verified at the moment of the gating decision, at a cost of about one to two per cent of the wall clock time per token

CUSTODY: NOBODY HOLDS THE WHOLE KEY, INCLUDING THE GROUP

The keys that encrypt the other keys are held in hardware security modules certified to FIPS 140-3 level three, with custody physically separated between the institutional principal and the partner institution. The key is reconstructed only inside the module, under a Shamir secret sharing scheme, so that no single party, including the Group itself, is

ever in possession of the full decryption capability. For a ministry, this is the difference between trusting a supplier and not having to.

The custody model maps naturally onto multi party institutional governance of exactly the kind contemplated for a joint Emirati centre: the partner holds a share of the custody structurally, by design, and not by concession. That is the commercial point of the whole design, and not merely its technical elegance.

For machines in the field, including robotics and edge devices, each deployment carries its own cryptographic envelope, fleet updates travel through the transit layer, and tampering is detected at the next inference call, at which point the machine fails safe. For governmental and enterprise clients in the Emirates this converts the most sensitive objection to embodied artificial intelligence, the physical exposure of the machine, into a documented, standards aligned security architecture.

The machine can be touched. The intelligence inside it cannot be taken.

THE DOCTRINE OF THE DEPARTMENT, IN ONE LINE

THE STANDARDS, BY THEIR NUMBERS

STANDARD	WHAT IT GOVERNS HERE
FIPS 140-3, level three	The hardware security modules in which the key encrypting keys are held.
Common Criteria EAL 4+	The evaluation class of the cryptographic implementation.
NIST FIPS 197, FIPS 180-4, FIPS 186-5	The encryption, hashing and signature primitives.
NIST SP 800-38D	The authenticated encryption mode used in the envelope at rest.
ETSI TR 103 619 and TR 103 823	The migration framework toward post quantum cryptography.
A signature scheme aligned to the European electronic identification regulation	The institutional signing identity used between infrastructures.

The regime is of direct relevance to deployments inside critical infrastructure regulatory perimeters, in the Gulf as in Europe, where the protection of model artefacts is increasingly a procurement requirement rather than an engineering preference.

What is standard here, and what is proprietary. The Group states the boundary itself. The cryptographic primitives above are mature, standardised and well implemented; the implementation cost is principally a cost of integration into the architectural execution path, and the architectural integration design is the proprietary contribution, specified at engineering level. Component level reference implementation at sub scale forms part of the validation programme. On the European technology readiness scale the deployment security architecture stands, conservatively reported, at level three.

5.3 · MIGRATION

The post quantum position.

The question is not whether a quantum computer will break classical key exchange, but whether the data being intercepted today will still matter when it does.

The standards timetable is public, dated, and the Group works to it. The first three post quantum standards were published by the National Institute of Standards and Technology on 13 August 2024: FIPS 203, the module lattice key encapsulation mechanism, and FIPS 204 and FIPS 205, the two signature standards. HQC, a code based key encapsulation mechanism, was selected in March 2025 as a mathematically independent

second option, with its standard in preparation, and a further signature standard derived from FALCON is in development. In the United States the migration schedule for national security systems is set by CNSA 2.0, and a federal executive order of June 2026 sets deadlines for civilian high value systems at 2030 for key establishment and 2031 for signatures. The direction of travel is therefore settled and dated.

The position of the Group is precise. Symmetric primitives retain their security properties against a quantum adversary at the key sizes deployed, so the exposure sits at the key wrapping layer. That layer has been abstracted behind an interface that supports both classical and post quantum key establishment, with hybrid operation on the migration path, which turns the migration into a change of configuration rather than

a change of architecture. The rationale is the one every intelligence service uses: harvest now, decrypt later. The European quantum communication infrastructure is treated as the compatibility perimeter for the cryptographic stack of the Group, which is one of the reasons for the scientific cooperation in Sofia described in Part Six.

5.4 · THE DEPARTMENT

Twelve domains.

The cyber department covers the full perimeter, offensive and defensive, from penetration testing to the security of artificial intelligence itself.

DOMAIN	SCOPE
1. Offensive security	Penetration testing across network, application, mobile, wireless and physical perimeters; red teaming and full simulation; social engineering and phishing assessment; purple team exercises conducted alongside the defenders of the client themselves.
2. Vulnerability and exposure management	Continuous vulnerability assessment; external attack surface discovery; prioritisation by exploitability rather than by score alone; remediation engineering and re testing to closure; validation to the standard required by government infrastructure deployments.
3. Security architecture	Zero trust design, segmentation and micro segmentation, secure landing zones, identity and access management, privileged access, public key infrastructure, and the design of hardware security modules and key custody.
4. Cryptographic engineering	The proprietary stack including the 4096 bit work; data protection at rest, in transit and in use; the key lifecycle; post quantum migration planning and hybrid key establishment.
5. Detection and response	Design, build and operation of security operations centres; detection engineering and use case development; threat hunting; incident response, containment and recovery; digital forensics and post incident reporting to board and regulator.
6. Application and product security	Secure development lifecycle; threat modelling at design time; static and dynamic analysis; dependency and software bill of materials discipline; secrets management; secure development operations pipelines; and code review by engineers who write production code themselves.
7. Cloud and infrastructure security	Hardening of sovereign and hybrid cloud, configuration baselines, identity and privilege, container and orchestration security, workload isolation, backup and recovery architecture, and the security engineering of on premise clusters for institutions that cannot use public cloud at all.
8. Operational technology and critical infrastructure	Industrial control and supervisory systems; protocol aware segmentation; safety and security convergence; passive monitoring where active scanning is prohibited. The discipline required where an availability failure is a physical event and not a service interruption.
9. Third party and supply chain risk	Continuous rating and monitoring of the vendor ecosystem, supply chain integrity, and supply chain detection and response, applied both to the suppliers of the client and to the external posture of the client itself.
10. Governance, risk and compliance	Programme design and audit readiness for information security and artificial intelligence management systems; sectoral regulation for finance, health and critical infrastructure; incident reporting obligations; and the documentation an institution must be able to produce on demand.
11. The human layer and capability building	Awareness programmes, role based training, executive and board exercises, tabletop and crisis exercises, and the formation of the resident security team of the client, which is the only durable outcome of any security engagement.
12. Security of artificial intelligence	Protection of model artefacts, security of agentic systems, and integrity of the training pipeline.

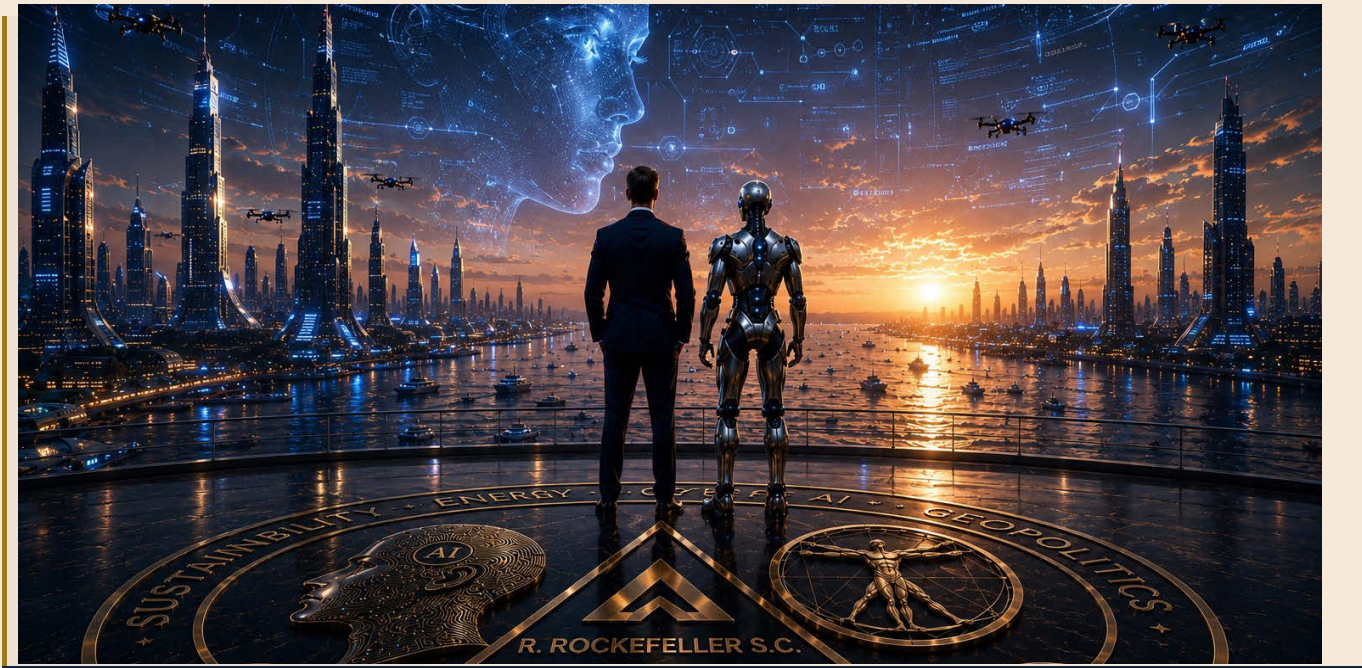
THE OPERATING MODEL, IN FIVE FORMS

FORM	WHAT IT IS
Assess	Point in time engagements: penetration test, architecture review, compliance gap assessment, third party exposure baseline, with a remediation plan the institution can execute itself or delegate.
Build	Zero trust design, cryptographic infrastructure, identity, secure pipelines, and the hardening of systems already in production.

FORM	WHAT IT IS
Run	Managed operation: monitoring, detection engineering, continuous rating of the institution and of its suppliers, patch and exposure governance, under agreed service levels.
Respond	Forensics, containment, recovery, and the reporting an institution owes to its board and to its regulator.
Transfer	Formation of the resident team of the client and of its own security function. This is how the department measures success: the institution able to continue without it.

SECURING ARTIFICIAL INTELLIGENCE ITSELF

EXPOSURE	THE ENGINEERING ANSWER
The model artefact	The three layer cryptography of section 5.2, split key custody, integrity verification at every call
The training pipeline	Provenance discipline: every source documented, every transformation reproducible
The inference boundary	Separation of content from instruction, retrieval that preserves access rights, model output treated as untrusted input downstream
Agentic autonomy	Least privilege for each task, scoped and short lived credentials, human confirmation for irreversible actions, complete logging of actions and a kill path that actually works
Model behaviour	Regression suites at every release for jailbreak and evasion, extraction and inversion, refusal and guardrail behaviour, with results recorded as evidence rather than asserted as assurance
The deployment estate	Ordinary hardening, segmentation, monitoring, patching and recovery on inference servers, vector stores, orchestration frameworks and edge devices



5.5 · WHAT EACH SECTOR ACTUALLY NEEDS

Cyber across the sectors.

The twelve domains are the same everywhere. What changes from one sector to another is which of them decides the programme, and what a failure actually costs.

SECTOR	THE CHARACTERISTIC PROGRAMME
Government and electronic governance	Protection of national platforms of the class the department itself builds: treasury, budget, revenue, labour, registries and citizen channels. Segregation of duties across ministries, audit trails admissible before an auditor general, and deployment inside government infrastructure under national standards.

SECTOR	THE CHARACTERISTIC PROGRAMME
Defence and national security	Environments that must operate air gapped or in degraded connectivity; classification aware architecture; cryptographic sovereignty; and supply chain provenance for every component admitted into the perimeter.
Energy, utilities and industry	Where a compromise is a physical event: segmentation between corporate and control networks, passive monitoring, governance of vendor remote access, and incident procedures written for engineers rather than for analysts.
Finance and insurance	Operational resilience obligations, third party concentration risk, exit and continuity testing, fraud adjacent detection, and evidence packages sized for a supervisor rather than for an internal committee.
Health and social protection	The most sensitive personal data an administration holds, in estates that are chronically under resourced: identity, minimisation, encryption by default, and recovery capability that assumes compromise rather than denying it.
Telecommunications and transport	Large distributed estates with legacy interoperability: asset discovery at scale, segmentation of the exposed perimeter, and detection engineering across heterogeneous technologies.
Robotics and autonomous systems	Fleet identity and credential management, signed firmware and model updates, integrity verification of behavioural parameters at inference, and fail closed discipline.
Smart cities and public space	Sensor estates, video and access control systems, privacy engineering treated as a security control, and a clear separation between operational necessity and surveillance.

5.6 · THE REGULATION

The compliance perimeter.

Compliance frameworks are usually presented as friction. Read correctly they are a specification, and they describe with unusual precision the system the Group already builds.

THE EUROPEAN ARTIFICIAL INTELLIGENCE REGULATION

Regulation , the artificial intelligence act of the European Union, entered into force on 1 August 2024 and applies in phases. Prohibited practices have applied since February 2025 and obligations on providers of general purpose models since August 2025. Following the simplification package adopted by the European Parliament on 16 June 2026 and by the Council on 29 June 2026, the timetable now reads as follows: the transparency obligations of Article 50 from 2 August 2026; the extension of those obligations to systems already on the market, together with the newly introduced prohibitions, from 2 December

2026; stand alone high risk systems under Annex III from 2 December 2027, deferred from the original date; and high risk systems embedded in regulated products under Annex I from 2 August 2028. The architecture of the act, its risk tiers, its conformity assessment regime and the supervisory role of the artificial intelligence office are unchanged, and the supervisory powers of that office over general purpose models have been extended rather than reduced. Penalties reach the higher of thirty five million euro or seven per cent of worldwide annual turnover.

The deferral is a deferral of dates, not of work. High risk classification requires a complete inventory of deployed systems, documented risk management, data governance with recorded provenance, technical documentation sufficient for a conformity assessment, logging, human oversight and post market monitoring. That is precisely what has to be engineered into a system at the time it is built. Retrofitting it onto a system assembled on a foreign commercial interface, whose training data, model documentation and behavioural policy belong to a third party, is in many cases not possible at all. The eight stage production doctrine of section 4.2 produces these artefacts as by products of the method, not as a compliance exercise appended at the end.

THE ADJACENT EUROPEAN PERIMETER

INSTRUMENT	WHAT IT REQUIRES OF THE OPERATOR
General Data Protection Regulation	Lawful basis, minimisation and cross border transfer, which is where consumption of extraterritorial commercial interfaces is most often exposed.
The NIS2 directive	The security and incident obligations of essential and important entities.

INSTRUMENT	WHAT IT REQUIRES OF THE OPERATOR
The digital operational resilience act	The financial sector and its critical technology providers, including the contractual and exit requirements attaching to them.
The cyber resilience act	The security properties of products with digital elements placed on the market of the Union.
The electronic identification regulation	Trust services and the institutional signing identity.

Each of them presumes an operator who knows what is inside the system. That presumption is only satisfiable when somebody built it.

THE GOVERNANCE STANDARDS

STANDARD	POSITION OF THE GROUP
ISO/IEC 42001:2023, artificial intelligence management systems	The first international management system standard for artificial intelligence: accountability, transparency, lifecycle risk management, model and data inventory, human oversight. Increasingly requested in enterprise and public procurement questionnaires alongside information security certification. The Group implements its discipline on the same lifecycle artefacts and reports it as in formation rather than as held.
The wider 42000 family	Impact assessment, requirements for certification bodies, and artificial intelligence specific security and privacy standards.
ISO 9001:2015	Held since 2017, in its third triennial cycle, on the operating entity of the engineering centre.
FIPS 140-3 and Common Criteria	Hardware security module custody at level three, implementation class EAL 4+.
The NIST artificial intelligence risk management framework	The risk management vocabulary through which North American institutional counterparties commonly frame assurance, mapped by the Group onto the same lifecycle artefacts.

The reason the perimeter is a capability rather than a burden is a matter of who holds the position. An institution buying at tiers one to

three of the scale in section 4.1 inherits a compliance position determined by the decisions of a

foreign provider. An institution buying a system engineered from zero holds its own.

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That is precisely what has to be engineered into a system at the time it is built. Retrofitting it onto a system assembled on a foreign commercial interface, whose training data, model documentation and behavioural policy belong to a third party, is in many cases not possible at all. The eight stage production doctrine of section 4.2 produces these artefacts as by products of the method, not as a compliance exercise appended at the end.

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	Each of them presumes an operator who knows what is inside the system. That presumption is only satisfiable when somebody built it.

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The cyber resilience act	The security properties of products with digital elements placed on the market of the Union.
The electronic identification regulation	Trust services and the institutional signing identity.

THE GOVERNANCE STANDARDS

STANDARD	POSITION OF THE GROUP
ISO/IEC 42001:2023, AI Management System	The first international management system standard for artificial intelligence: accountability, transparency, human oversight, robustness, security and continuous improvement.

REGULATION
RISK MANAGEMENT
DATA GOVERNANCE
DOCUMENTATION
HUMAN OVERSIGHT

PART SIX

The artificial intelligence and cyber centres.

Two engineering research centres for artificial intelligence, cyber and cyber security: the operational core in Lalitpur and the Emirati centre in the Gulf, with the European axis behind them.

WHY THIS PART EXISTS

Where the technology of the two previous parts is physically produced, by whom, and on what institutional record. A capability nobody can point to on a floor is a brochure.

6.1 The doctrine of the centres

6.2 The scientific and technical authority

6.3 Nepal: the engineering core in Lalitpur

6.4 The people of the centre

6.5 Credentials, institutional clients and flagship systems

6.6 The Emirati centre: the institutional bridge

6.7 Milazzo: the next European flagship

6.8 The European axis

6.9 QUASAR: a partnership for a sovereign Europe

6.10 The university partnerships

6.11 The measure of the institution

6.1 · THREE POLES, ONE CODEBASE

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The doctrine of the centres.

One sovereign codebase, one scientific direction, three geographies with three distinct mandates: production, institutional channelling and European positioning.

The artificial intelligence and cyber capability of the Group is deliberately distributed across three geographies with three different mandates. It would be simpler to concentrate it in one

place, and it would also be wrong: engineering wants a large, credentialed and cost efficient workforce; institutional access wants proximity to the ministries and the sovereign funds that

decide; and the European scientific and regulatory perimeter wants a counterpart inside it. No single country offers all three.





R. ROCKEFELLER S.C. AI CENTERS

A GLOBAL PLATFORM FOR SOVEREIGN AI · CYBERSECURITY · INDUSTRIAL DECARBONIZATION

BUILDING SOVEREIGN TECHNOLOGY. DELIVERING REAL-WORLD IMPACT.

OUR MISSION

To deliver sovereign, secure and certified AI and digital solutions that empower governments and institutions to achieve efficiency, transparency and sustainable development.

GLOBAL PRESENCE



USA · UAE · NEPAL · EUROPE

TRUSTED BY



14+
YEARS OF PROVEN DELIVERY

For Governments, Institutions and Global Organizations

1. WHAT AN AI STUDENT CAN LEARN AND SEE REALIZED

AI ENGINEERING & NLP Conversational models, vertical assistants, multilingual NLP (including Nepali Unicode). STACK: Python, Django, React, Docker, Custom Transformers	ADVANCED AI ARCHITECTURES Sparse models (MoE), linear attention (On), quantum routing. AURYNTEON HST: Hybrid-Sparse-Temporal 128 Experts 4096-bit Crypto	CYBERSECURITY & CRYPTOGRAPHY Quantum-resistant, zero-trust, protection of models in inference. RSA 4096-bit AES-256-GCM HSMs · C-SVA	E-GOVERNMENT & PFM SYSTEMS Treasury (TSA), Budget (LMBIS), Tax (TTS), Grievance Redress (GRM). Clients: World Bank, USAID, Ministry of Finance Nepal	DATA ENGINEERING & DBA Mission-critical databases, disaster recovery, tuning, RAC, Data Guard. Oracle, PostgreSQL, MySQL, SQL Server
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2. CERTIFICATIONS HELD BY OUR TEAM (REFERENCE FOR STUDENTS)

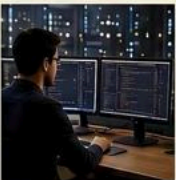
ISO 9001:2015 Quality Management System UKAS Accredited Cert. 77763/A/0001/UK/En	ORACLE Certified Professional OCP – Database Administration and Enterprise Tuning	Microsoft Certified IT Professional MCITP – SQL Server, Data Infrastructure and Solutions	CCNP / CCNA Routing, Switching, Network Security, High Availability	Red Hat RHCE Linux System Administration, Automation, Cloud Environments	SecurityScorecard Cyber Risk Penetration Testing, Red Teaming, Supply Chain Security
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FIPS 140-3 (HSM)


Common Criteria EAL4+


NIST PQC (Kyber Ready)


EuroQCI Compatibility



4. WHY THIS MATTERS TO AN AI STUDENT

This is not just theory. This is engineering that has delivered mission-critical systems for the World Bank, USAID, the UN and national governments using modern stacks and recognized certifications. Here, AI is not only research – it is certified production at national scale.


14+
Years of Institutional Deliveries


50+
Certified Engineers


200+
Years of Cumulative Senior Experience


Real Partners
 Al Hamed, Prince Al Saud, EuroQCI & Others

3. WHAT "SOVEREIGN AI" MEANS

- NO THIRD-PARTY CODE**
Every line of code is written in-house. Zero dependencies on external APIs (OpenAI, Google, Anthropic).
- NO EXTERNAL PRE-TRAINED MODELS**
AI models are trained from scratch on proprietary data and controlled infrastructure.
- PROPRIETARY CRYPTOGRAPHY**
In-house quantum-resistant cryptographic stack, never licensed or shared.
- ON-PREMISE OR SOVEREIGN CLOUD DEPLOYMENT**
Everything runs within the client's secure perimeter.



RRSC WEBSITE

SOVEREIGN TECHNOLOGY. CERTIFIED EXCELLENCE. GLOBAL IMPACT.

The centres of the artificial intelligence and cyber department. The operating architecture of the department: the engineering core, the

institutional bridge and the European frontier, under a single scientific direction.

POLE	MANDATE	STATUS
Lalitpur, Nepal	Engineering execution: codebase production, training pipelines, deployment automation, database engineering and quality assurance. The place where the doctrine becomes code.	Operating, certified, with a delivery record of more than fourteen years
United Arab Emirates	Institutional channelling of the Middle Eastern and African perimeter, and, with the production centre now in constitution, resident engineering and joint delivery for Gulf institutional clients.	Institutional architecture fully constituted and active; the artificial intelligence and cyber production centre in constitution with a local technical partner
Europe: Italy and Bulgaria	Sovereign positioning inside the European Union perimeter, quantum resistant cryptographic engineering and the scientific interface with an academy of sciences.	Institutional presence operating in Milan; scientific cooperation executed in Sofia in April 2026

HOW A CENTRE IS ACTUALLY ESTABLISHED

Every centre in the network has been established by the same method, and the method is stated here because it is what a counterparty is really being offered. Five phases, each closed by a

decision gate, and no phase presupposes the next. Definition fixes the perimeter and the scope of the centre. Formalisation records the governance, the intellectual property perimeter and the executive annexes. Foundation establishes and licenses the centre, recruits and trains the resident unit and commences the first

programmes, drawing on the global bench while local capability is built. Execution is delivery. Scale is expansion, and it is governed by a separate instrument. It is the method by which Lalitpur was integrated, by which Milazzo is being built, and by which the Emirati centre is now being established.

Nepal produces. Milan represents. Sofia proves. The doctrine of the department in three words, and the reason no single centre is asked to do all three.

R. ROCKEFELLER S.C.

Part Six · The artificial intelligence and cyber centres

50

A substantial part of his professional record concerns dual use and national security programmes conducted for countries of the North Atlantic alliance perimeter, across the United States, the United Kingdom and Italy. The substance of that work is governed by confidentiality and classification obligations, in

some cases perpetual in scope, and it is therefore described at the level of competence area only: defence and military artificial intelligence; cyber security and cryptography, including quantum resistant protocols; neural architecture design; custom hardware and neuromorphic computing; and sovereign cloud and distributed

systems. Supporting documentation, including academic certificates and references from prior engagements, is available under the confidentiality framework to qualified reviewers nominated by the counterparty institution.

THE PROFILE IN THREE LINES

CORE SPECIALISATION

Artificial intelligence and conversational systems; cyber security and secure infrastructure architecture; electronic governance and public financial management systems

TRACK RECORD

Google, Microsoft, Sony, Euroclear

SIGNATURE WORK

Proprietary 4096 bit encryption and zero trust models, optimised for maximum security, performance and scalability

ROLE IN A PARTNERSHIP

The designated technical authority of the partnership: the counterpart of the engineering leadership of the partner, and the guarantor of the architectural rigour of every joint deliverable

6.3 · THE CENTRE

Nepal: the engineering core in Lalitpur.

More than five thousand square feet in Lalitpur, over fifty certified engineers, fifteen senior managers, more than two hundred cumulative professional years and a delivery record of fourteen years with the most demanding institutional clients on earth.



THE CENTRE AT A GLANCE			
OFFICIAL DESIGNATION	R. Rockefeller S.C. AI Center, Nepal: Global Innovation Hub	LOCATION	Lane 2, Kumaripati, Lalitpur, Federal Democratic Republic of Nepal
PREMISES	More than 5,000 square feet of dedicated operational space	ENGINEERING TEAM	More than 50 certified information technology engineers and developers
SENIOR LEADERSHIP	15 senior managers and experts	CUMULATIVE EXPERIENCE	More than 200 professional years
OPERATIONAL HISTORY	More than 14 years of institutional track record	QUALITY CERTIFICATION	ISO 9001:2015, certificate 77763/A/0001/UK/En, issued by United Registrar of Systems Ltd. under UKAS Management Systems accreditation no. 0043 with international multilateral recognition. Original issue 23 August 2017; current cycle issued 8 September 2023, third triennial cycle. Scope: provision of software development services
CERTIFIED ENTITY	Dryice Solutions Pvt. Ltd., Jwagal, Kupondole, Lalitpur, Nepal	GROUP ACTIVATION	5 May 2026
SCIENTIFIC DIRECTION	Umberto Colella, Chief of Staff, artificial intelligence, cyber security and digital	OPERATIONAL DIRECTION	Mohan G.C., General Director; Santosh Bhusal, President of the centre; Dharmaraj Budhathoki, Director

The centre was integrated into the Group on 5 May 2026 through a corporate instrument under which the operating entity accepted full integration into the Group. The instrument did three things at once. It conferred the designation of the Group on the centre; it placed the engineering capacity of the centre at the disposal of the programmes of the Group; and it recognised thirteen senior key resources as members of the global professional network of the Group. It also preserves the pre existing intellectual property of the Group as its exclusive and perpetual property, and carries an indefinite confidentiality obligation with respect to trade secrets. The centre

operates under the name of the Group and on its behalf. Because the recitals of the instrument identify protected designations of the proprietary technology portfolio of the Group, the full text is exhibited to counterparties within the framework of a partnership rather than reproduced in this volume.

Lalitpur is also the engineering bench on which the joint Emirati centre draws in its foundational phase: senior engineers, delivery discipline and quality infrastructure available from day one, while the resident Emirati team is recruited and trained. Capability is developed first where it exists, and then

transferred under institutional ownership to where it is strategically required.

The choice of Lalitpur was strategic rather than opportunistic. Nepal offers a rare combination: a credentialed, English speaking, university trained engineering workforce; certified delivery practice honed over more than a decade of work funded by multilateral donors; direct proximity to the South Asian institutional perimeter; and an ecosystem in which the reference clients of the Group, the World Bank, the agencies of the United Nations and the bilateral development agencies, are already daily operational counterparts.

The Global Innovation Hub - Lalitpur.

"- Strategically located in the historic city of Lalitpur, Nepal."

"- Over 5,000 sq. ft. of dedicated, state-of-the-art operational space."

"- A fully operational, world-class technology center."



"- Home to a dedicated team of 50 expert engineers and programmers."

"- Driving innovation through advanced AI and software development programs."

"- Certified and authorized to operate in the European Union and the United States of America."

AI • INNOVATION • IMPACT • NEPAL

The global innovation hub of Lalitpur. The centre in the historic city of Lalitpur: more than five thousand square feet of dedicated

operational space, a team of fifty expert engineers and programmers, and a centre certified and authorised to operate for clients in

the European Union and the United States.

TEN AREAS OF SPECIALISATION

Artificial intelligence, with conversational systems, natural language processing and multilingual interfaces; cyber security, with secure architecture, zero trust and threat detection;

electronic governance at sovereign grade; public financial management, at federal and provincial level; enterprise resource planning and management information systems at national scale; database engineering, with modernisation, performance tuning

and migration; web and mobile engineering in production; network and cloud, including hybrid and sovereign cloud for mission critical systems; quality assurance; and the sovereign layer itself, with 4096 bit encryption, quantum resistant cryptography and zero trust mesh.

6.4 · THE ENGINEERING FORCE

The people of the centre.

Thirteen senior key resources, recognised individually in the integration instrument, and the wider force of more than fifty certified engineers behind them.

Mohan G.C.

General Director of the AI centre of Nepal, General Manager for strategic operations of the Group

An information and communication technology executive with more than eighteen years of progressive experience in software engineering, enterprise systems design, programme monitoring and evaluation and executive leadership. Chief Executive Officer of Dryice Solutions since 2025, previously its technical project manager. His institutional record includes the Rural Water Supply and Sanitation Fund Development Board and the Poverty Alleviation Fund, both funded by the World Bank, consulting for Deloitte under the United States

public financial management programme, data management for reconstruction work funded by the Japan International Cooperation Agency, and agriculture management information systems for the United Nations Development Programme, together with the line ministry and provincial budgetary information systems of the public financial management programme and business process engineering for the national hydroelectricity investment and development company. In recent years he has directed his expertise toward artificial intelligence enabled civic technology incorporating conversational systems and multilingual natural language

processing. Master of Business Administration, Apex College, Kathmandu; Bachelor of Engineering in information technology, Nepal College of Information Technology.

Santosh Bhusal

*President of the AI engineering centre,
Chief of the AI technical labs*

More than seventeen years of international experience across the ASEAN region in system design and digital transformation, with a consulting record that includes the World Bank, the United States development agency, the International Labour Organization and the Japan Social Development Fund. Holds the institutional representation of the Lalitpur hub within the global network of the Group and leads its international client engagement, carrying the institutional governance and the multilateral donor relationships of the centre.

Dharmaraj Budhathoki

*Director of the centre, General Director
for project management and institutional
delivery*

Co founder of Dryice Solutions, at the company since 2012. Full software development lifecycle, large scale government rollouts and enterprise resource planning, with delivery under United States development agency and World Bank programmes. Directs the daily operational delivery of the artificial intelligence, cyber security and digital capability.

The three profiles above are the institutional layer of the centre. Two of them carry, in addition, a technical function that a

counterparty will want to see separately, because in an engineering centre the question is never who signs but who is accountable for what is delivered. The presidency of the centre also holds the direction of the technical laboratories and the international client engagement of the hub; the general management also holds the applied artificial intelligence and public financial management record on which most of the institutional programmes of the last decade were built. The two cards below set out those two functions in the form the centre uses with its own clients.

Nepal AI Center. *The senior leadership team.*

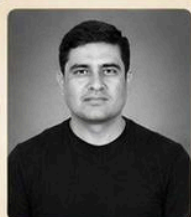
The senior leadership of the wholly-owned RRSC AI Center in Lalitpur — the Group's flagship AI / Cybersecurity / Digital capability, 5,000+ sq ft, 50+ certified IT engineers, 15 senior managers, ISO 9001:2015 certification, Anthropic Lab integration.



Mohan G.C.
GENERAL DIRECTOR
AI CENTER OF NEPAL

Mohan G.C.
GENERAL DIRECTOR

General Director of the AI Center. 18+ years of ICT leadership with the Government of Nepal (Ministry of Finance, FCGO, MoICS, MoALD), the World Bank, IFAD, USAID, JICA and JSDF.



Santosh Bhusal
PRESIDENT OF THE CENTER

Santosh Bhusal
PRESIDENT OF THE CENTER

President of the RRSC AI Center Nepal. Anchors the institutional governance and multilateral-donor relationships of the Center — the senior counterpart for the Anthropic Lab integration and the wider multilateral ecosystem (JICA, JSDF, KOICA).



Dharmaraj Budhathoki
DIRECTOR

Dharmaraj Budhathoki
DIRECTOR

Director of the RRSC AI Center Nepal in Lalitpur. Senior leader within the 15-strong senior management team coordinating the daily operational delivery of the Centre and the AI / Cybersecurity / Digital capability.



Udaya Neupane
NETWORK & SYSTEM
INFRASTRUCTURE EXPERT

Udaya Neupane
NETWORK & SYSTEM
INFRASTRUCTURE

Network & System Infrastructure Expert of the RRSC AI Center Nepal. Leads the network architecture, system infrastructure and cybersecurity-grade design ensuring the Centre meets sovereign-grade institutional standards.



Upahar Kumar Joshi
DATABASE ADMINISTRATOR

Upahar Kumar Joshi
DATABASE ADMINISTRATOR

Database Administrator of the RRSC AI Center Nepal. Leads the database engineering, data governance and the structured-data architecture foundational to the Group's sovereign-AI capabilities and e-governance platforms.

The senior leadership of the centre. General direction, presidency, direction, network and system infrastructure and database

administration: the layer that carries the institutional relationships and the delivery discipline of the centre.

Beneath the three senior figures sits the layer on which the delivery actually rests, and it is the layer a counterparty should look at hardest. A centre is not judged on the seniority of the people who sign its documents but on the depth of the bench that writes its code, administers its databases and tests

its releases. The technical leads and project managers below run the institutional programmes day by day, from the requirements workshop to the acceptance test; the database administrators carry the structured data architecture on which the national scale systems of section 6.5 depend, several of

which hold the payroll, the budget or the land register of a state; and the network, infrastructure and quality assurance specialists are the reason those systems pass a governmental penetration test before they go live. Between them they carry more than two hundred cumulative professional years.

Nepal AI Center. *The technical leadership team.*

Technical leads, project managers and database administrators — the operational backbone delivering the Group's sovereign-AI platform across institutional clients in 17 countries.



Sarju Bista
TECHNICAL LEAD /
PROJECT MANAGER

Sarju Bista
TECHNICAL LEAD / PROJECT MANAGER

Technical Lead and Project Manager at the RRSC AI Center Nepal. 18+ years experience, .NET Expert. Coordinates the multi-project technical delivery across the AI, Cybersecurity and Digital programmes.



Sunil Adhikari
TECHNICAL LEAD /
PROJECT MANAGER

Sunil Adhikari
TECHNICAL LEAD / PROJECT MANAGER

Technical Lead and Project Manager at the RRSC AI Center Nepal. 15+ years experience, PHP/Laravel Expert. Focus on institutional and governmental client deliverables.



Upahar Kumar Joshi
DATABASE ADMINISTRATOR
• ORACLE/MS SQL

Upahar Kumar Joshi
DATABASE ADMINISTRATOR • ORACLE/MS SQL

Senior Database Administrator at the RRSC AI Center Nepal. 25+ years experience, Oracle/MS SQL Expert. Leads the database engineering, data governance and structured-data architecture foundational to the Group's sovereign-AI platform.



Sushil Kumar Sah
DATABASE ADMINISTRATOR • ORACLE
EXPERT

Sushil Kumar Sah
DATABASE ADMINISTRATOR • ORACLE EXPERT

Database Administrator at the RRSC AI Center Nepal. 18+ years experience as Oracle Expert. Co-leads database engineering, data governance and structured-data architecture, with focus on enterprise-grade Oracle deployments for institutional clients.

Technical leadership. The technical leads, project managers and database administrators who carry the delivery of the platform across institutional clients.

Santosh Bhusal, Chief of the AI technical labs. Specialisations in artificial intelligence software production and protection and in cyber security, with international consulting for the World Bank, USAID, the International Labour Organization and the Japan Social Development Fund.

Mohan G.C., General Manager of the main AI and cyber centre. Eighteen years across software development, technical project management, information systems design and governance, applied artificial intelligence, public financial management and government information technology.

NAME	FUNCTION	EXPERIENCE
Sarju Bista	Technical lead and project manager	Fifteen to eighteen years across enterprise management information and human resources systems and .NET platforms. Coordinates multi project technical delivery across the artificial intelligence, cyber and digital programmes
Sunil Adhikari	Technical lead and project manager	End to end project lifecycles for enterprise and government environments, and scalable application architecture
Upahar Kumar Joshi	Database administrator, Oracle and MS SQL	Leads database engineering, data governance and the structured data architecture of the platform. Eighteen to twenty five years across the database administration pair
Sushil Kumar Sah	Database administrator, Oracle expert	Co leads database engineering and enterprise grade Oracle deployments for institutional clients
Udaya Neupane	Network and system infrastructure expert	More than fifteen years in secure network architecture, firewalls, virtual private networks and data centre networking
Archana Awale	Quality assurance analyst	More than fifteen years in test strategy, automation and defect management across the artificial intelligence, cyber and digital deliverables
Manoj Kumar Mahato	Senior Java developer	More than fourteen years. Enterprise grade Java engineering, Spring and microservices, and structured backend services

NAME	FUNCTION	EXPERIENCE
Monish Manandhar	Senior backend developer	More than sixteen years. Architecture, deployment and operational delivery of the platform, backend, cloud and development operations
Yam Bahadur Limbu	Senior developer	More than eleven years. Architecture and engineering for governmental engagements, PHP and Laravel, application programming interfaces
Bijay Joshi	Frontend developer and user interface specialist	Thirteen years. User facing engineering and design system implementation

N°55 NEPAL AI CENTER · DEVELOPMENT TEAM

Nepal AI Center. *The development team.*

Senior developers and frontend specialists — the engineering team delivering the Group's sovereign-AI platform across the multilateral and governmental client engagements.



MANOJ KUMAR MAHATO

SENIOR JAVA DEVELOPER

Manoj Kumar Mahato
SENIOR JAVA DEVELOPER



Senior Java Developer at the RRSC AI Center Nepal. Leads enterprise-grade Java engineering across the Group's sovereign-AI platform and structured backend services for multilateral-donor and governmental clients.



MONISH MANANDHAR

SENIOR DEVELOPER

Monish Manandhar
SENIOR DEVELOPER



Senior Developer at the RRSC AI Center Nepal. Engineers solutions across the AI / Cybersecurity / Digital capabilities, contributing to architecture, deployment and operational delivery of the institutional platform.



YAM BAHADUR LIMBU

SENIOR DEVELOPER

Yam Bahadur Limbu
SENIOR DEVELOPER



Senior Developer at the RRSC AI Center Nepal. Contributes to architecture, engineering and operational delivery of the Group's sovereign-AI platform across multilateral and governmental client engagements.



BIJAY JOSHI

FRONTEND DEVELOPER & UI-UX SPECIALIST

Bijay Joshi
FRONTEND DEVELOPER & UI-UX SPECIALIST



Frontend Developer and UI-UX Specialist at the RRSC AI Center Nepal. Leads user-facing application engineering and design-system implementation across the Group's sovereign-AI products, ensuring institutional-grade usability.

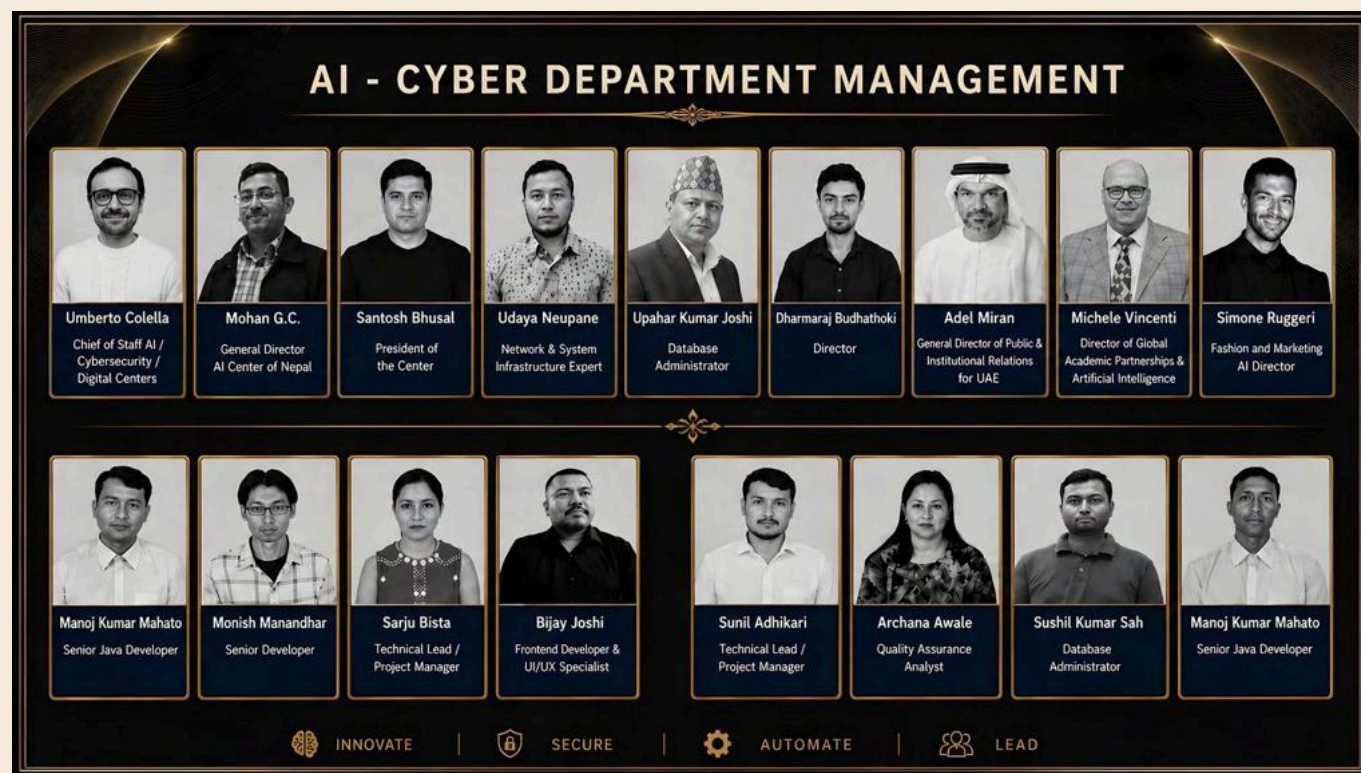
The development team. Senior developers and frontend specialists of the centre, engaged across the multilateral and governmental

programmes of the Group.

Above both layers sits the management structure of the department itself, and it is worth setting out because it explains how a centre in the Himalayas, a scientific direction in Europe and an institutional relations function in the Gulf operate as one organisation rather than as three.

The scientific direction owns the architecture and the cryptography and answers for both; the direction of the centre owns the production floor and the delivery commitments; the institutional relations function owns the relationship with the ministries and the sovereign structures that

commission the work. No one of the three can substitute for another, and every programme of the department passes through all three. The chart below is the version the department publishes internally, reproduced without simplification.



The management of the artificial intelligence and cyber department. The direction of the department as it stands in 2026, from the

scientific direction to the general management of the centre and the institutional relations functions.

6.5 · THE REFERENCE BASE

Credentials, institutional clients and flagship systems.

The centre did not start from zero. It brought into the Group one of the most credentialed delivery histories in the South Asian information technology sector.

The institutional reference base of the centre is now part of the qualification portfolio of the Group for international tenders, partnerships and strategic

engagements. It consists of long term operational engagements with multilateral and bilateral institutions, and of a fourteen year relationship with the Government

of Nepal across ministries, departments, provincial authorities and state enterprises.

COUNTERPARTY	NATURE OF THE ENGAGEMENT
The World Bank	Multiple long term engagements across public financial management, transport, land management and agriculture
USAID	Including the global health supply chain programme and the systems strengthening activity for better health
United Nations Development Programme	Agriculture management information systems and development programmes
International Fund for Agricultural Development	Rural development and food security systems
GIZ, ILO, KOICA, JICA, JSDF	German, international labour, Korean, Japanese cooperation and social development fund programmes
Swiss Cooperation	Provincial governance and office automation programmes
Government of Nepal	Ministry of Finance, Financial Comptroller General Office, Inland Revenue Department, Department of Transport Management, Department of Land Reform and Management, Department of Roads, Department of Passport, Department of Information Technology, Department of Labour and Occupational Safety, and the offices of the Chief Ministers of four provinces

CREDENTIALS & ISO 9001:2015 CERTIFICATION

COMMITMENT TO **QUALITY**. **COMPLIANCE** BY DESIGN. **TRUSTED** WORLDWIDE.



ISO 9001:2015 CERTIFIED

Quality Management Systems for software development lifecycle.



INTERNATIONAL STANDARD COMPLIANCE

Quality assurance, configuration management, and customer satisfaction.



14+ YEARS OF INSTITUTIONAL TRACK RECORD

Inheriting one of the most credentialed delivery histories in South Asia.



3

ACTIVE
CENTERS



3

CONTINENTS



3

NATIONS

R. ROCKEFELLER SC ENGINEERING CENTER — नेपाल (NEPAL)

Credentials and certification. The centre operates under an ISO 9001:2015 quality management system covering the entire software development lifecycle: requirements

analysis, system design, development, testing, configuration management, release management, change control and continuous

improvement. It is the certificate that allows the Group to qualify in donor funded and institutional procurement.

A certificate proves that a process exists. It does not prove that anybody has ever bought the result, and that is the second question every procurement authority asks. The answer is the reference base below: the institutions that have already contracted this engineering

force, over fourteen years, under their own procurement rules and their own audit regimes. Multilateral development finance, United Nations agencies, bilateral cooperation agencies and the ministries of a sovereign state do not select suppliers informally;

each of these relationships passed a competitive process and produced a deliverable that was accepted. That is why the Group presents the logos below not as decoration but as the qualification portfolio it now carries into international tenders.



THE WORLD BANK

THE WORLD BANK & USAID (GHSC-PSM)



USAID

FROM THE AMERICAN PEOPLE

UNDP, ILO, IFAD, and GIZ



KOICA, JICA, and JSDF

Swiss Embassy /
Swiss Cooperation



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra



Abt Associates, Louis Berger, VSO, WSP

The institutional counterparties. The World Bank, USAID, the United Nations Development Programme, the Korean and Japanese

cooperation agencies and Swiss Cooperation: the reference base the centre brought into the Group.

THE EXECUTED RECORD: NINE ENGAGEMENTS, WITH THEIR REFERENCES

What follows is the part of the record that can be checked against a document rather than against a

claim. Each of the nine engagements below is backed by an executed reference letter or a contractual completion document, reproduced in facsimile in the supporting annex of the technical dossier of the Group and exhibited

to counterparties on request. They are listed with their contract or letter references, their counterparties and their dates.

ENGAGEMENT	COUNTERPARTY AND FUNDER	REFERENCE
ILMIS , the integrated labour management information system, thirteen modules, deployed on the government integrated data centre and the government cloud, validated by vulnerability assessment and penetration testing	Department of Labour and Occupational Safety, Government of Nepal	Letter no. 688, signed by the Computer Engineer of the Department; contract DoLOS/2079/80/01; completed June 2023
Chief Minister dashboard , Pradesh 1, under the provincial support programme	PwC AG under the Swiss Agency for Development and Cooperation	Services procurement agreement and statement of work of 16 November 2022; prime reference 81063667
Digital health profile of two municipalities, linked to social health protection	GIZ	Contract 83408972, effective July 2022 to December 2023
eLMIS rollout and support across fifty eight sites, levels one and two	Chemonics International under the USAID Global Health Supply Chain Program	Reference letter of the Technical Director, GHSC-PSM, 9 March 2022; contract GHSC-PSM-NPL-09, 2019 to 2021
Office automation system for the Embassy of Switzerland in Nepal	Federal Department of Foreign Affairs, Swiss Confederation	Contract executed 3 February 2020 by the Ambassador
Grievance redress management software, web based with SMS gateway and nationwide training	Department of Roads, Government of Nepal, World Bank funded	Letter of 19 December 2014, health management information and information technology unit
Electronic commission blueprint and ICT roadmap ; case management and reporting system	National Human Rights Commission of Nepal, funded by the United Nations Development Programme	References 2023 to 2024, strategic plan support project
PayPenny online money booking system	Connecting Creations Sdn. Bhd., Malaysia	Completion certification 2 March 2021; delivery closed 10 April 2021
The national information technology roadmap of Nepal	Department of Information Technology, Government of Nepal	Executed reference, 2014

Nine engagements, each with an executed reference. They are reproduced in the supporting annex in chronological order, from the most recent to the most historical.

Behind the nine sit the implementing and consulting partners through which several of them were delivered: Chemonics International, Louis Berger, PwC AG, Deloitte, Abt Associates, VSO, WSP and Connecting Creations. And behind those sits the wider master list of engagements: the public financial management strengthening project of the Ministry of Finance, covering the line ministry budgetary information system and the treasury single account under a World Bank and USAID frame, including the Louis Berger engagement; and public

sector platform families across multiple ministries, including core banking, the electronic building permit system, human resources and payroll, inventory, learning, document, school, budget, revenue and hospital management systems. Throughout, the centre has operated under its ISO 9001:2015 quality management system and in compliance with the infrastructure standards of the Government of Nepal, with deployments validated by vulnerability assessment and penetration testing and with full software development lifecycle discipline.

FLAGSHIP SYSTEMS IN PRODUCTION

The list below is not a portfolio of demonstrations. These are live, deployed systems, several of them critical to the daily functioning of a state. Through systems built and maintained by this engineering force, a government collects taxes, processes payrolls, manages land records, administers labour markets, controls public expenditure and delivers services to citizens.

DOMAIN	SYSTEM
Public financial management	The line ministry budgetary information system and treasury single account for the federal and provincial governments; the integrated public financial management ecosystem of the Financial Comptroller General Office, including financial management information, electronic payment, revenue and asset systems
Taxation	The enterprise web based integrated tax system of the Inland Revenue Department
Transport and land	The road accident information management system, deployed across sixty five sites nationally; the land records information management system, including data migration and Unicode conversion; the electronic building permit system
Labour and employment	The integrated labour management information system; the job portal and labour market database, rolled out across fourteen employment service centres
Electronic governance	The Chief Minister dashboard and office automation system; municipal administration and revenue systems for a metropolitan city
Health, agriculture and food security	Project management information for food and nutrition security; health database and data management for a national health activity; traceability for organic tea production
Banking and enterprise	A centralised core banking system; budget management for the civil aviation authority and for commercial banks; human resource management and payroll systems for institutional clients

6.6 · THE GULF

The Emirati centre: the institutional bridge.

The second artificial intelligence and cyber centre of the Group is being established in the United Arab Emirates. This volume distinguishes clearly between what is constituted and active and what is in constitution.

The institutional architecture in the Emirates is fully constituted and active, and it is described in detail in Part Eleven: a royal presidency and four senior resident executives, each of whom carries an additional institutional mandate outside the Group, in Emirati governance, in sovereign wealth investment, in the federal ministerial structures or in the national energy operator.

The artificial intelligence and cyber production centre is a different thing, and the Group states its status without ornament. No Emirati company has yet been constituted for the artificial

intelligence and cyber perimeter, and a local technical partnership for its establishment is being sought. The joint venture that exists in Abu Dhabi, held sixty per cent by the Group and forty per cent by the President of the Emirati branch, is validly constituted but is scoped to environmental protection, pollution control and sustainability, and is in every respect distinct from the artificial intelligence division.

What the new centre adds to the architecture is a production dimension: resident engineering, joint delivery with a local partner,

and the qualified operation of the private models of the Group for Gulf institutional clients. The division of contributions is deliberate and is stated openly to prospective partners. The Group brings the engineering, the architecture and the global programme. The local partner brings a headquarters of standing, a small resident team, the running costs of the local company and the institutional access to ministries and government. The Group is not seeking an investor. It is seeking a technical and operational partner.



The artificial intelligence centre of the Emirates.
The Gulf centre of the Group: the institutional bridge between the technology of the platform

and the governance, sovereign investment and federal structures of the region.

THE EMIRATI CENTRE: STATUS			
MANDATE	Institutional representation and regional delivery for the Middle East and Africa	REACH	The Gulf Cooperation Council perimeter; the wider Arab perimeter; and the African continental network
ANCHOR	The presidency of H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed and the leadership architecture described in Part Eleven	STATUS	Active institutional representation. No Emirati company is yet constituted for the artificial intelligence and cyber perimeter; a local technical partnership for its establishment is being sought

The Group states one further thing plainly, because it is the sentence a serious counterparty will look for and will not find in most capability documents: the Group has not to date delivered in these disciplines in the country. That perimeter is being constituted now, and the Group is in discussion with prospective local technical partners able to work alongside its engineering and to develop, in the Emirates, what the Group builds elsewhere. Where the technical

component is developed today is equally plain: through the European poles, in particular Italy with its hub of Milan and Brindisi and the nascent campus of Milazzo, and through the certified engineering centre of Lalitpur.

WHAT THE HUB CARRIES, AND ACROSS WHAT PERIMETER

The Emirati hub channels the technical capabilities of the Group, the sovereign artificial intelligence

programme, the strategic cyber alliance and the digital platforms delivered through Nepal, into the highest levels of regional governance and enterprise. Government and enterprise programmes in the Emirates increasingly ask for both at once: the intelligent system, and the infrastructure or the machine that embodies it. The Hub is the address for that demand across the Gulf and the African corridor.

PERIMETER	WHAT IT REACHES, AND THROUGH WHOM
The Gulf Cooperation Council	The Emirati federal and sovereign wealth structures; the Kingdom of Saudi Arabia under a formal Royal Partnership with H.H. Prince Abdul Majeed bin Saud bin Muhammad Al Saud; and the State of Qatar, anchored by Sheikh Tameen Al Thani of the Al Thani royal family.



Valentino Loforese
Executive Vice-President & Majority Shareholder
The Rob Rockefeller S.C.

H.H. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed
Grandson of His Excellency Ahmed Khalifa Al Suwaidi, UAE President's Representative, First Minister of Interior of AE, Head of the Founder of Abu Dhabi Investment Authority

R. ROCKEFELLER S.C.

GLOBAL AI & STRATEGIC PARTNERSHIP

TOGETHER FOR INNOVATION, TECHNOLOGY & A SUSTAINABLE FUTURE

- STRATEGIC PARTNERSHIP UNITED BY VISION & TRUST
- LEADERS IN AI, INNOVATION CYBERSECURITY & ROBOTICS
- BUILDING GLOBAL CENTERS FOR A SMARTER WORLD
- COMMITTED TO SECURITY, SOVEREIGNTY & SUSTAINABILITY



H.H. Sheikh Mohammed Bin Zayed Al Nahyan & Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed



"INNOVATION IS THE BRIDGE BETWEEN VISION AND REALITY."



H.E. Sheikh Khalifa Al Hamed
PRESIDENT · RRSC UAE

Al Hamed family, ruling family of Abu Dhabi; historic ally of the Al Nahyan family. Grandson of H.E. Ahmed Khalifa Al Suwaidi — UAE President's Representative, First Minister of the Interior (1971) and founder of ADIA (~\$1tn AUM). Partnership formalised through Royal Diamond Group LLC.



Dr. Adel Miran
DG INSTITUTIONAL RELATIONS · ME

Dual mandate. Concurrently Director General of Administration & Facilities Management at Dubai Holding — the global investment vehicle of the ruling Al Maktoum family and largest shareholder of Emaar Properties. A recognised AI thought leader, providing a direct sovereign bridge between top UAE governance and the Group's Middle East vision.



Ms. Dolly Tabet
DEPUTY CEO · RRSC UAE

French executive with 27+ years of continuous service to the Al Hamed ruling family. CEO of Royal Diamond Group LLC and Office Manager of Al Hamed Enterprises — the operational continuity at the centre of the institutional architecture.



Mr. Mohamed Al Hosani
EM · WORLD CARBON PROJECT

Senior background at ADNOC HQ — the UAE's sovereign energy operator. 20+ years of corporate strategy at federal energy level; anchors the carbon-neutrality vertical into UAE sovereign energy infrastructure.



Mr. Ahmed Almuaini
DIRECTOR · UAE BRANCH OPERATIONS

Federal-level coordinator. Family relationship with H.E. Dr. Abdelrahman Almuaini, Assistant Undersecretary at the UAE Ministry of Economy & Tourism. PhD, University of Aberdeen. Coordinates daily branch and ministerial engagement.



Mr. Valentino Loforese
EVP · RRSC GROUP

Executive Vice President & Majority Shareholder (70%) of the Group; holder of full and irrevocable corporate powers. Signatory of the UAE strategic branch and of the Nepal Affiliation Agreement, positioned alongside the UAE Presidency and royal leadership.

PERIMETER	WHAT IT REACHES, AND THROUGH WHOM
The wider Arab perimeter	Tunisia, Libya, Egypt and the Maghreb, under the President for North Africa, Mr. Mohamed Lassaad Kedimi.
The African continental network	Cote d'Ivoire, the Congo, Senegal and Tanzania under Mr. Reda Jaber; Nigeria through the Port Harcourt presence; and the continental headquarters in Johannesburg.

Why the position is stated this way.

An institution that is asked to place a sovereign artificial intelligence programme in the hands of a partner has the right to know exactly what exists today and what does not. The Group has taken the view, in this volume as in its institutional dossiers, that the credibility of everything it does claim depends on the precision with which it states what it does not.

The institutional and diplomatic component stands, at the summit of Abu Dhabi. The technical and productive component is what the department now adds.

THE EMIRATI POSITION IN ONE LINE

6.7 · THE CAMPUS

Milazzo: the next European flagship.

A campus of forty seven thousand square metres in Sicily, on the former Montecatini site, with a strategic designation secured at European level. It is the largest thing the Group is building in Europe, and it is being built now.

The Augusto Innovation Hub of Milazzo is one of the most significant innovation infrastructure undertakings currently in development in Southern Europe, at the exact centre of the digital corridors of	the Mediterranean. The campus carries a strategic designation secured at European level within the perimeter of the Strategic Technologies for Europe Platform of the European Union. The masterplan is by the Giancarlo	Zema Design Group. The role of the Group in it is precise: technology partner and technical leader of the campus programme, the party that brings the anchor technological content of sovereign grade.
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THE CAMPUS			
LOCATION	Milazzo, Sicily, on the former Montecatini industrial site	SCALE	Approximately 47,000 square metres
EUROPEAN DESIGNATION	Strategic Technologies for Europe Platform of the European Union	ARCHITECTURE	Giancarlo Zema Design Group
ROLE OF THE GROUP	Technology partner and technical leader of the campus programme	PHASE ONE	EUR 100 million over 2026 to 2028, carried by the Sicily Regional Government within the European Union framework
PROSPECTIVE PHASE TWO	A further EUR 100 million over 2027 to 2030, at the level of the Italian central government	AT FULL CAPACITY	Sized for five hundred direct jobs

THE MANDATE OF THE CENTRE

Three things are produced there.

Sovereign artificial intelligence software for institutional and industrial clients. Cyber security

engineering under the disciplines of Part Five. And the qualified capability to operate the private

Augusto Innovation Hub

The Sovereign Innovation Campus of the Mediterranean: the repositioned programme, funding architecture and consolidated partnership of the EUR 100 million pole rising on the former Montecatini site, now centred on digital sovereignty and artificial intelligence, AGS geothermal energy and virtual production, with a prospective second phase taking the national programme to EUR 200 million.



2026-28
EUR 100M

**PHASE 1
INVESTMENT**
(SICILY REGIONAL
GOVERNMENT - UE)



2027-30
EUR 100M

**PHASE 2
PROSPECTIVE**
(ITALIAN CENTRAL
GOVERNMENT - UE)



47,000 m²

**CAMPUS SITE.
EX MONTECATINI
AREA**



500

**DIRECT JOBS
AT FULL
CAPACITY**



Total Public Investment : € 200 Millions

models of the Group, an access that exists nowhere else in the European Union and that only a centre of the Group can carry. The Group is explicit about what the centre is not: it is not a project office, not a temporary consortium and not a programme team. It is a standing centre of European institutional grade, with its own governance, its own engineering capacity, its own deliverable portfolio and its own institutional positioning.

WHY EUROPE DOES NOT ALREADY HAVE ONE

The European Union does not at present have a single institutional centre combining the four conditions necessary for genuine end to end sovereign artificial intelligence engineering: original architecture design at the frontier; production scale training capability; deployment security aligned with where institutional infrastructure is going; and vertical engineering across the full perimeter of strategic interest. Excellent European institutions exist for each

dimension separately, from academic networks for research to the high performance computing joint undertaking for compute and the national centres of excellence for applications. What does not exist is the integration, as a permanent institutional asset. The integrator function is performed today by a small number of actors in the United States and the People Republic of China. The Augusto centre is the European institutional response to that asymmetry, and it integrates the existing institutions rather than competing with them.

CIRCLE THE DELIVERABLE PORTFOLIO	
Inner	The sovereign production programmes of the Group and the qualified operation of its private models.
Middle	Vertical engineering commissioned by European institutional clients, Member State administrations, agencies, critical infrastructure operators and industrial corporations, for which the centre is positioned as preferred engineering partner.
Outer	Scientific, educational and ecosystem development: peer reviewed publication as the programmes mature, training programmes for senior European engineers, technical workshops and contribution to European standardisation.

THE BUILD OUT, WITH ITS DATES

Within twelve months of the activation of the executive calendar: the governance bodies, the legal and contractual framework, the resident personnel function, and a quality system aligned with the ISO 9001:2015 discipline already in operation elsewhere in the network. Within twenty four months: the foundation phase complete, the first vertical programmes inaugurated, and the centre operating as a self standing institutional entity. The resident engineering unit is sized at regime at twenty six personnel across machine learning research, systems architecture, data engineering, infrastructure and site reliability engineering, security engineering

and programme management, additional to the existing capacity of the global network. Lalitpur contributes the senior engineering execution capacity on which delivery rests during the foundational phase; as Milazzo matures, the centre of gravity of the capability transitions, in proportion to recruitment and training, toward the campus. The perimeter of the programme is already expanding beyond the original campus, extending the Italian axis of the Group alongside Milan, Brindisi and Naples.

WHAT IT MEANS FOR A PARTNER IN THE GULF

Three things, and the Group states them in this order. It demonstrates method: the same institutional

logic the Group proposes for the Emirates is the logic already in execution on European soil. It creates symmetry: the Milazzo centre and the Emirati centre become the two wings of the same sovereign technology architecture, the European wing and the Gulf wing, each qualified to operate the private models of the Group, each integrated with the Lalitpur production floor. And it opens a corridor: a partner joined to the Group in any jurisdiction is, structurally, connected to a European sovereign technology centre carrying a European strategic designation.

Milazzo is what the Group builds next in Europe, and it is growing as it is built. The Emirati centre is what the Group builds next in the Gulf. The method is the same.

THE TWO FLAGSHIPS

6.8 · EUROPE

The European axis.

Milan carries the institutional perimeter of the Union, Sofia carries the science. Together they position the Group inside the European sovereign technology and quantum communication architecture.

The European architecture of the Group has two poles and one purpose. The Italian pole operates from the European headquarters in Milan, Via Monte Napoleone 21, on approximately two hundred and fifty square metres, with the Brindisi centre of three hundred square metres at Via Danimarca 2 behind it, the coordination and engineering design hub of the Group, under the coordination of Mr. Sandro Nasta. The mandate of the Italian pole is institutional: the Italian ministerial and defence perimeter, the policy and funding frameworks of the European

Commission, and the innovation pipeline of the North Atlantic alliance, with Mr. Gianluca Annunziata coordinating the European quantum communication institutional frameworks from the board of the branch. The Italian branch also provides the operational alignment across the active centres of the network, interfacing between the branch chief executives, the Country Presidents and the Office of the Chief Executive Officer. The Bulgarian pole is scientific, and it is the subject of the section that follows.

Why Italy is the natural European anchor can be stated in three lines: access to the defence and innovation ecosystem of the Union; existing operational infrastructure through two engineering centres; and a position that bridges the southern European, Mediterranean and North African perimeters, complementing the coverage of the Arab perimeter carried from the Gulf. The two poles do different work and are deliberately not merged: Nepal produces, Milan represents, Sofia proves.



The European centres of artificial intelligence and cyber security. The Italian and Bulgarian axis: the institutional perimeter of the European

Union on one side and the quantum and scientific frontier on the other.

SOFIA AS A STANDING CENTRE, NOT ONLY AS A COOPERATION

The Bulgarian node is being structured as a standing artificial intelligence and cyber centre in its own right: a research and

engineering seat, integrated with the Lalitpur production floor and with the Italian axis, whose mandate is the quantum resistant cryptographic engineering of the Group, the scientific interface with the Bulgarian Academy of Sciences

and its European programmes, and the development of talent within one of the strongest engineering education perimeters of Eastern Europe. In the architecture of the Group the centre is the scientific counterweight to the industrial

capacity of Nepal and the institutional capacity of Milan: the place where the doctrine is tested

against the European scientific establishment. The Bulgarian branch is directed by Mr. Kalin

Petkov Edrev.

6.9 · THE SCIENTIFIC COOPERATION

QUASAR: a partnership for a sovereign Europe.

In April 2026, in Sofia, the Group executed a scientific cooperation with a centre of competence of the Bulgarian Academy of Sciences. It is the clearest external verification the artificial intelligence programme of the Group has, because the counterpart is an academy of sciences and not a customer.

WHO QUASAR IS

The Centre of Competence QUASAR is a consortium hosted within the Bulgarian Academy of Sciences, the principal scientific institution of the Republic of Bulgaria. It is co funded under the framework of the European Union and operates inside the European institutional perimeter for three disciplines: quantum communication, intelligent security systems and risk management. Its

institutional weight comes from one position in particular: QUASAR is the Bulgarian counterpart on the board of EuroQCI, the European quantum communication infrastructure, the quantum secure communication network the Union is assembling across its member states. Its scientific direction is anchored to Professor Lachezar Georgiev, Representative of Bulgaria on that board. For the Group, the Bulgarian institutional lead is Mr. Kalin Petkov Edrev, Director of the Bulgarian branch.

The characterisation the Group itself gives the cooperation is worth stating exactly. It is the single clearest external verification of the institutional grade of the artificial intelligence programme: a scientific institution of a Member State academy, funded by the European Union, engaging the sovereign technology perimeter of the Group in the defence sector, on the merits.

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CENTER OF COMPETENCE QUASAR

- Quantum Communication
- Intelligent Security Systems
- Risk Management

NATO | **NATO DIANA** | **EU** | **EDF** | **HORIZON EUROPE** | **EuroQCI**

THE ROB ROCKEFELLER STANDARD CARBON LLC & CENTER OF COMPETENCE QUASAR – BAS

STRATEGIC PARTNERSHIP. SHARED KNOWLEDGE. SECURE FUTURE.

The two parties and the three pillars. The Rob Rockefeller Standard Carbon LLC and the Centre of Competence QUASAR of the Bulgarian Academy of Sciences, on quantum

communication, intelligent security systems and risk management, inside the European and Atlantic frameworks: the North Atlantic alliance and its defence innovation accelerator, the

European digital and defence instruments, Horizon Europe and the European quantum communication infrastructure.

WHAT WAS SIGNED

The cooperation was formalised in Sofia in April 2026 with a memorandum of understanding signed by the two principals. What the instrument aligns is unusual,

and it is the reason it works. On one side sits industrial execution capability: an engineering force that delivers systems into ministries under a certified quality discipline. On the other sits advanced scientific research inside a national academy. Neither party

could produce the result alone. A scientific institute does not deliver production systems into a government; an industrial platform does not hold the scientific standing that a European research programme requires of its counterparties.



The formalization of the partnership. The signing of the memorandum of understanding in Sofia. The four terms as the two parties set them out: a strategic alliance uniting industrial leadership with scientific excellence; a common goal in next generation artificial intelligence, quantum communication and infrastructure solutions; resilient, secure and sovereign technological capability; and an impact intended for Europe and for the world.

THE SECOND PHASE: THREE WORKSTREAMS

WORKSTREAM	CONTENT	WHY IT MATTERS TO THE GROUP
Quantum resistant cyber security	Alignment of the cryptographic and custody regime of the Group with the European post quantum framework and with the quantum communication infrastructure of the Union	It makes the proprietary cryptographic stack of the Group compatible, by construction, with the architecture Europe is actually building
Sovereign artificial intelligence	Joint scientific work on the architectural class of the AURYNTHEON programme, at the level of design doctrine, with the protected substance undisclosed	It subjects the design doctrine of the programme to scientific scrutiny without releasing the reserve
Critical infrastructure	Protection of critical infrastructure within the regulatory perimeter of the European Union	It connects the cyber vertical to the regulatory regime under which European operators will have to work

THE FUNDING ECOSYSTEM, AND WHAT A POSITION INSIDE IT IS WORTH

European technology policy is executed through programmes, and programmes are entered by

consortia that include a credentialed scientific counterpart. That is the commercial meaning of a scientific cooperation, and it is why the two parties present the funding environment together. The Group is deliberately precise about

what the figure below is: an addressable environment, not a pipeline of awarded contracts. In an institutional document the two must never be confused.





A strategic partnership for a sovereign Europe.

The joint statement of the two parties. On one side a trusted partnership built on transparency and shared values, technological excellence combining scientific leadership with industrial

execution, and strategic impact on the critical capabilities of security, resilience and sovereignty. On the other a European vision that strengthens the independence of the Union in key technologies, investment in artificial

intelligence, quantum, cyber security and advanced infrastructures, and long term value for society, industry and future generations. Beneath them, the funding ecosystem within which the cooperation operates.

What the Group does not claim from this cooperation. The cooperation is presented as an institutional and scientific position, not as present day operating capacity, and no part of the funding environment above is booked as anything. What it delivers today is a place inside the European quantum research perimeter and the institutional standing that flows from it.

WHAT A COUNTERPARTY CAN READ FROM IT

For a partner in the Gulf, the Sofia pole means that the technology base of a joint centre is not a bilateral claim: it is a capability already engaged, in the defence sector, by a scientific institution funded by the European Union, and already advancing to a second phase. Counterparties in the Emirates do not need to take the word of the Group for the grade of its technology; they can read the institutional company it keeps.

Stated more generally: a counterparty engaging the Group does not engage a claim. It engages an institution whose technology base is already under examination, in the defence sector, by a European Union funded scientific institution of a Member State academy, and whose cooperation with that institution is advancing rather than concluding. For governmental and enterprise clients, in Europe as in the Gulf, that is the difference between a supplier and an institution.

INSTRUMENT	WHAT IT IS, IN ONE LINE
EuroQCI	The European quantum communication infrastructure: the compatibility perimeter for the quantum resistant cryptographic stack of the Group.
Horizon Europe	The framework programme of the Union for research and innovation: the principal European funding ecosystem for the innovation programmes of this perimeter.
NATO DIANA	The defence innovation accelerator for the North Atlantic: the alliance level innovation perimeter within which the dialogues of the Group proceed.
The European digital and defence instruments	The deployment and collaborative defence programmes that sit alongside the framework programme.

INSTRUMENT

WHAT IT IS, IN ONE LINE

The combined envelope

Exceeding one hundred billion euro over the current programming cycle.

The ecosystem above is institutional context, stated as such. It is not a list of commitments, it is not a pipeline of awarded contracts, and it is not a forecast of revenue.

6.10 · THE ACADEMIC VERTICAL

The university partnerships.

A dedicated direction connects the Group to universities, on two continents: a graduate faculty in Vancouver and a major international university in Cairo.

An artificial intelligence programme that does not touch a university has a recruitment problem within three years and a research problem

within five. The academic vertical of the Group exists to prevent both, and it is directed by a person who

sits on both sides of the relationship at once.

**UNIVERSITY CANADA WEST,
VANCOUVER**

Uniting expertise. Advancing technology. Building the future, together. Stronger together: from strategic alignment to operational impact.

THE FORMULA OF THE SOFIA COOPERATION

Dr. Michele Vincenti holds a dual mandate. As Associate Dean for Graduate Studies at University Canada West in Vancouver he leads one of the most internationally connected graduate programmes in Canada. As Director of global academic partnerships in artificial

intelligence and cyber security at the Group he directs the academic vertical. The appointment was announced jointly by the university and the Group in 2026 and was accompanied by an official statement of congratulations from University Canada West. His

credentials run across doctorate, master of business administration and the professional certifications of the human resources and management professions, and his research concerns artificial intelligence in support of accessibility.

Dr. Michele Vincenti — *a bridge between academia and institutional AI.*

Director of Global Academic Partnerships — Artificial Intelligence & Cybersecurity
at The Rob Rockefeller Standard Carbon, UCW Associate Dean for Graduate Studies, Vancouver.



Michele Vincenti

DIRECTOR OF GLOBAL ACADEMIC
PARTNERSHIPS IN ARTIFICIAL
INTELLIGENCE & CYBERSECURITY

Ref. 36/A Dr. Michele Vincenti – UCW Associate Dean.

Dr. Michele Vincenti

Ph.D · MBA · MA · CM · CPHR · SHRM-SCP



ACADEMIC POSITION

Associate Dean, Graduate Studies · University Canada West, Vancouver



RRSC ROLE

Director of Global Academic Partnerships —
Artificial Intelligence & Cybersecurity



ACADEMIC CREDENTIALS

Ph.D · MBA · MA · CM · CPHR · SHRM-SCP



A STRATEGIC ACADEMIC PARTNERSHIP

Dr. Vincenti holds a **dual strategic mandate**: as Associate Dean for Graduate Studies at University Canada West in Vancouver, he leads one of Canada's most internationally connected graduate training programs; as **Director of Global Academic Partnerships — AI & Cybersecurity** at RRSC, he drives the Group's academic vertical in AI and Cybersecurity.



The appointment, jointly announced by UCW and RRSC in 2026, has been accompanied by an **official statement of congratulations** from University Canada West.



AI & CYBERSECURITY



ACADEMIA

INDUSTRY

INSTITUTIONS



GLOBAL IMPACT



DR. MICHELE VINCENTI

Ph.D., MA, CM, CPHR, SHRM-SCP

Director of Global Academic Partnerships,
Artificial Intelligence & Cybersecurity
at The Rob Rockefeller S.C.

Dr. Michele Vincenti. Director of global academic partnerships in artificial intelligence and cyber security at the Group and Associate

The distinction between an academic partnership and an academic title matters, and the Group draws it explicitly. A company can appoint anybody it likes to a directorship of academic partnerships; what it cannot do on its own is have a university

Dean for Graduate Studies at University Canada West, Vancouver: a bridge between academia and institutional artificial intelligence.

acknowledge that appointment in public, under its own name and its own governance. This one was announced jointly by University Canada West and the Group and was accompanied by an official statement of congratulations issued by the university, which is


University Canada West
8h •

University Canada West congratulates Dr. Michele Vincenti on his appointment as Director of Global Academic Partnerships – Artificial Intelligence & Cybersecurity at The Rob Rockefeller S.C.


University Canada West
congratulates
Dr. Michele Vincenti


The Rob Rockefeller S.C.



DR. Michele Vincenti (MBA)
Ph.D., MA, CM, CPHR, SHRM-SCP
Director of Global Academic Partnerships,
Artificial Intelligence & Cybersecurity,
The Rob Rockefeller S.C.

Join us in congratulating Dr. Michele Vincenti on his distinguished appointment with The Rob Rockefeller Strategic Consultancy as the Director of Global Academic Partnerships – The UAE's apex advising body. 🙌

👍❤️ 427 • 56 comments
56 comments

reproduced below with the announcement itself. It is that second document, and not the first, that turns a title into a relationship, and it is the reason the academic vertical is presented in this volume as a partnership rather than as an internal function.



The appointment, announced. University Canada West and the Group announce jointly the direction of global academic partnerships

in artificial intelligence and cyber security, with the official statement of congratulations issued by the university.

THE BRITISH UNIVERSITY IN EGYPT, CAIRO

The second university relationship of the Group is in Cairo, with the British University in Egypt, one of the principal international universities of the country, which delivers British degree programmes in partnership with a London university. The partnership connects the engineering and sustainability centre of New Cairo to a formal academic perimeter for research, for training and for the development of local engineering talent, and it was opened during the institutional mission of July 2026. It is the first application of the academic vertical in Africa, and it sits deliberately next to an operating centre rather than in

isolation: a university partnership without an industrial floor beside it produces papers, not engineers.



Mohamed Lassaad Keddini, at the left, and Yuhia Zakaria, at the right, with members of the delegation on the central esplanade of the university campus, flanked by the flags of the Arab Republic of Egypt and the United Kingdom.

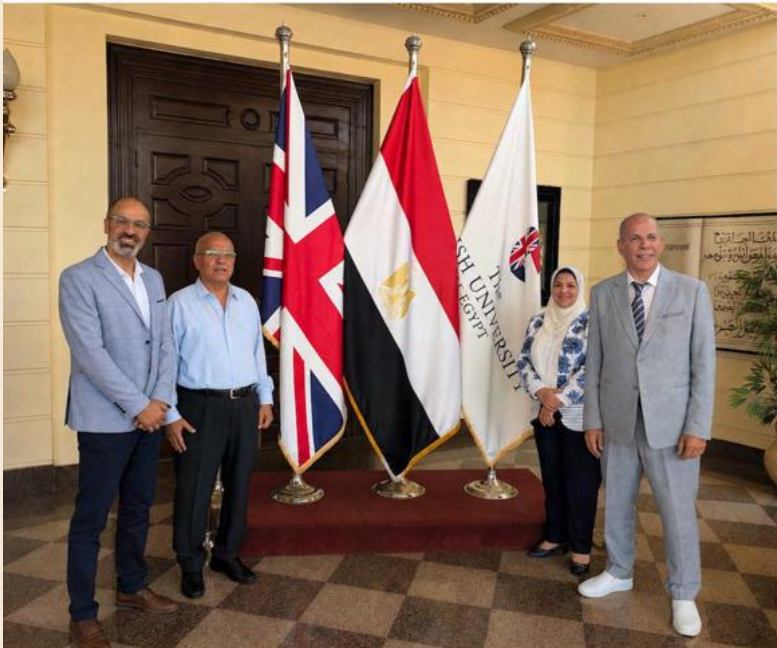
The academic partnership in Egypt. The agreement with the British University in Egypt: research, training and the development of engineering talent in the Egyptian perimeter, alongside the engineering and sustainability centre of New Cairo.

The Egyptian relationship was opened in person rather than by correspondence, during the

institutional mission of July 2026, and the Group records the delegation for a reason that is more than ceremonial. An academic partnership that is signed and never visited produces a memorandum; one that begins with the engineering direction of a centre sitting in front of a faculty produces a research agenda, a recruitment channel and a training programme. The photograph below is of that meeting: the delegation of the Group with the faculty of the British University in Egypt, in the week the programme was agreed, a short drive from the engineering and sustainability centre of New Cairo which is its industrial counterpart.



The delegation. The delegation of the Group at the British University in Egypt during the institutional mission of July 2026, with the faculty of the university.



THE FOUR PILLARS OF THE PROGRAMME

PILLAR	WHAT IT COVERS
Applied research	Research on intelligent systems, conducted with the engineering capability of the Group rather than in parallel to it
Cyber security innovation and risk governance	Innovation and the governance of risk, in the disciplines described in Part Five
Executive education	Programmes for institutional leaders who have to decide about technologies they did not train in
Global education networks	The construction of international partnerships between universities and the institutional perimeter of the Group

The academic programme is presented as an expandable structure: it grows as new university partnerships and research initiatives are concluded, and the Group says so rather than presenting it as finished.

6.11 · WHAT THE STRENGTH ACTUALLY IS

The measure of the institution.

Four things carry an institution of this kind, and none of them is a product. Authorship, independence, the capacity to refuse, and a record that can be inspected.

AUTHORSHIP

Architecture, corpus, tokeniser, training, cryptography, platform: each is engineered inside one perimeter, by people the Group employs. The consequence is not pride of workmanship. It is that only the author can transfer the system, answer for its behaviour,

secure it at the layer where it is actually exposed, and continue it when the environment changes.

INDEPENDENCE

The Group has grown on partnership funded growth, without external equity dilution and without debt. No investor timetable governs its architectural decisions, no upstream licence governs its technology, and no

commercial interface governs its deployments. A supplier of sovereignty that is not itself sovereign is a contradiction the institution buying from it will eventually pay for.

THE CAPACITY TO REFUSE

This is a strength rarely stated on a capability document, and the Group states it. It can afford to say no. It says no to technology

cooperation with China in the artificial intelligence and cyber perimeter. It says no to the disclosure of its architecture under any instrument, to any counterparty, however commercially attractive the instrument. It says no to pilots introduced before validation, and to claims it cannot evidence. An institution that can refuse is an institution whose commitments are worth something.

THE RECORD, AND THE ANCHORS

Fourteen years of certified delivery into government infrastructure, reproduced in original facsimile. A certified engineering centre in daily production. A scientific cooperation in the European defence sector advancing to its second phase. A strategic alliance with the global leader in cyber security ratings. And institutional anchors at royal level in three Gulf capitals. Doctrine without evidence is a brochure. Evidence without doctrine is a contractor. The Group offers both, and asks to be measured on both.

What the Group therefore is. A concentrated institution rather than a large one: modest in headcount by the standards of the integrators, and deep by the standards of its size. Very few institutions in the world design an artificial intelligence architecture, engineer the corpus, author the cryptography, deliver the platform into a ministry and then defend it. Fewer still do it independently. And fewer still are willing to state, in writing and in advance, exactly what they will not do.

Authorship, independence, the capacity to refuse, and a record that can be inspected. That is the strength. Everything else in this part is its documentation.

THE CLOSE OF THE ARTIFICIAL INTELLIGENCE AND CYBER PARTS

PART SEVEN

Strategic partnerships.

Each partnership brings the platform an asset it could not replicate on its own: institutional access, sovereign legitimacy, certified technology or scientific standing.

WHY THIS PART EXISTS

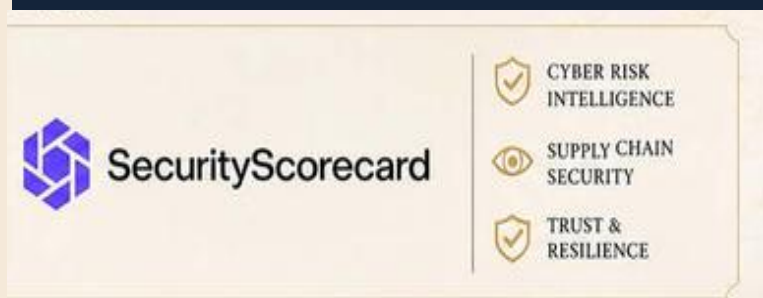
Partnerships are the part of the platform that cannot be built alone. Each one is listed with the structural asset it brings and with the rule of ownership that governs it.

7.1 Why this part comes here

7.2 The alliance with SecurityScorecard

7.3 Technology and industrial partners

7.4 Institutional and multilateral counterparties



7.1 · THE PRINCIPLE

Why this part comes here.

Everything in the three preceding parts is what the Group builds with its own hands. This part is the opposite: what the Group could not build alone, and went to find. It is placed here, immediately after the technology, because a reader who has just been told what a company makes is entitled to ask, next, who stands beside it.

The parts that precede this one describe an engineering perimeter: an architecture authored inside the Group, a cryptographic stack written by its own scientific direction, and the centres in which both are produced. Nothing in them depends on a third party, and that is deliberate. This part is where the volume changes register.

A platform of this size cannot hold, on its own, an industrial machine with two hundred patents behind it, a seat inside an academy of sciences of a European Member State, the independent measurement of its own security posture, or institutional access at the level of ruling families. Those four things exist in this volume because somebody else brought them, under an instrument, on terms that are stated. The Group therefore presents its partnerships not as a list of logos but as a

register of structural assets, each with the rule of ownership that governs it, and each with what would happen if the relationship ended.

A note on what this part is not. The alliance with SecurityScorecard appears in this part and not in the cyber security part, and the distinction matters. SecurityScorecard is not a component of the artificial intelligence and cyber department of the Group, no part of its technology sits inside anything the Group builds, and nothing in the preceding parts depends on it. It is an independent institution with which the Group holds a strategic partnership of prestige: the Group accepts to be measured by it, and carries its capability to institutional clients under a worldwide representation authority. That is a partnership, and partnerships are the subject of this part.

THE FOUR FAMILIES OF PARTNERSHIP

The alliances of the Group fall into four families, and each family answers a different question. The sovereign anchors answer the question of access: who opens the door of a ministry or a royal office. The industrial and engineering partners answer the question of capability already certified: what the Group would otherwise have had to build over a decade. The scientific cooperation answers the question of standing: whether an institution outside the commercial world is prepared to examine the technology on its merits. And the measurement alliance answers the question of proof: who is willing to rate the Group itself, continuously and publicly, on the discipline it sells.

THE REGISTER, PARTNER BY PARTNER

PARTNER	DOMAIN	WHAT IT BRINGS THAT CANNOT BE REPLICATED
SecurityScorecard	Cyber security ratings	Independent, continuous, external measurement of the security posture of the Group and of its clients, from the global leader in the discipline, at billion dollar institutional grade.
RePG Energy	Geothermal and organic cycle technology	A certified machine in industrial service with a record minimum operating temperature, a portfolio of more than one hundred and eighty patents and assets, and a factory that builds it.
Think Green Technologies	Process research	An original process platform and its intellectual property, and the research horizon of the Italian research centre.
Skem@ Srl	Plant engineering	Prime engineering capability in licensed process technology, a fifteen year delivered record in more than forty countries, and control and safety system engineering.
Yellow Helmet Egypt	Assurance, training and industrial monitoring	An Egyptian credentials portfolio, training capability approved by the national energy authorities, and institutional registration in the country.
Centre of Competence QUASAR	Quantum and sovereign artificial intelligence	Scientific standing inside an academy of sciences and the European quantum communication perimeter.
University Canada West	Academic	The academic vertical and its graduate research perimeter.
Al Hamed, Al Saud and Al Thani	Sovereign anchors	Institutional access at the level of ruling families in three Gulf jurisdictions.

The aggregate is a portfolio of alliances that compounds across the verticals: each one validates the platform on a different institutional axis, and each one was closed at the level of the principals. The cyber

alliance delivers the validation framework that allows the Group to operate at sovereign and large enterprise procurement level. The energy alliance delivers a certified industrial deployment. The

engineering partnerships deliver certified capability that the Group would otherwise have had to build over a decade. And the scientific cooperation delivers standing that cannot be bought at all.

7.2 · THE ALLIANCE OF PRESTIGE

The alliance with SecurityScorecard.

In 2025 the Group signed a global strategic partnership, with worldwide representation authority, with the company that measures the cyber security posture of the world. It was concluded directly between the two chief executives, and it is the most visible of the strategic alliances of the Group.

This alliance belongs in this part and not in the technical parts of the volume. SecurityScorecard is not a component of the artificial intelligence department of the Group and no part of its technology sits inside what the Group builds. It is a strategic partnership of prestige with an independent institution: the Group accepts to be measured by it, and carries its capability to institutional clients under a worldwide representation authority. The two things the alliance brings, external validation and international standing, are exactly what a partnership is for.

WHO SECURITYSCORECARD IS

SecurityScorecard was founded in 2013 in New York City by two people who had run security inside an enterprise rather than sold it from outside: Dr. Aleksandr Yampolskiy, a cryptographer by doctoral training and a former chief information security officer, who is the chief executive, and Mr. Sam Kassoumeh, formerly head of security and compliance, who is the chief operating officer. They had

worked together in the security function of the same company, and the company they built answers the question that function could never answer from the inside: how exposed is everybody else that we depend on.

The answer is a rating. SecurityScorecard continuously rates more than twelve million organisations from the outside, without any access to their systems, by observing what their infrastructure exposes to the public internet. That is the largest continuously maintained external security posture dataset in the industry, and the patented rating technology built on it is used by more than twenty five thousand organisations for self monitoring, for third party risk, for board reporting, for due diligence in transactions, for the underwriting of cyber insurance and for regulatory oversight. The company operates in sixty four countries.

Behind the rating sits a research capability. The STRIKE team analyses in the order of eighty

three billion security events a year and has attributed more than eight hundred and seventy thousand breaches, including campaigns linked to states. The platform extends the rating into threat informed third party risk management, under the name TITAN AI, and into managed supply chain detection and response, under the name MAX; in 2026 it added a global internet scanning and threat intelligence capability by acquisition.

The institutional standing of the counterparty is the reason the alliance is worth what it is worth. SecurityScorecard is backed by Sequoia Capital, GV, Intel Capital, Silver Lake, Evolution Equity Partners, Riverwood Capital, T. Rowe Price, Moody's and AXA Venture Partners at unicorn valuation; it is recognised as a leader by the principal industry analysts; and it is listed by the United States Cybersecurity and Infrastructure Security Agency among its free cyber tools and services.

2013

FOUNDED IN NEW YORK

12M+

ORGANISATIONS RATED

25,000+

ORGANISATIONS USING THE RATING

64

COUNTRIES OF OPERATION

83bn

SECURITY EVENTS ANALYSED A YEAR

WHAT A SECURITY RATING ACTUALLY IS

A security rating is an externally derived, continuously updated measurement of the exposure of an organisation, computed entirely from what can be observed from

outside its perimeter: the configuration of its internet facing systems, the hygiene of its network and application estate, the credentials of its people circulating in criminal markets, the reputation of its addresses, and the patching discipline visible in its services. It is, in effect, the credit rating of cyber

risk, and institutions use it for the same reasons they use credit ratings: to compare, to monitor continuously rather than once a year, to hold suppliers to a measurable standard, and to report to a board or a regulator in a language that does not require the reader to be an engineer.



SecurityScorecard

The Global Leader in Cybersecurity Ratings and Third-Party Risk Intelligence




THE ROB ROCKEFELLER S.C.

GLOBAL LEADERSHIP.
STRATEGIC PARTNERSHIPS.
REAL IMPACT.

ABOUT SECURITYSCORECARD

-  **FOUNDED:** New York, USA in 2013.
-  **INDUSTRY LEADER:** The global authority in cybersecurity ratings and third-party cyber risk intelligence.
-  **FOUNDERS:** Aleksandr Yampolskiy and Sam Kassoumeh.
-  **TRUSTED WORLDWIDE:** Thousands of organizations across 180+ countries, including major enterprises and government institutions, rely on SecurityScorecard.
-  **STRONG BACKING:** Supported by leading international investors with a historical valuation approaching USD 1 billion.
-  **ADVANCED TECHNOLOGY:** AI-powered platform delivering continuous monitoring, deep risk insights, and actionable intelligence across the extended digital ecosystem.

THE STRATEGIC RELATIONSHIP

The Rob Rockefeller S.C. has entered into a **non-exclusive global representation partnership** with SecurityScorecard.

Through this collaboration, The Rob Rockefeller S.C. relies on SecurityScorecard's advanced cybersecurity technologies and services to strengthen cyber risk management, enhance digital infrastructure resilience, and deliver world-class security capabilities to our clients and partners globally.

ONE PARTNERSHIP. GLOBAL REPRESENTATION. SHARED EXCELLENCE.

SECURITYSCORECARD AT A GLANCE

 HEADQUARTERS:	New York, USA
 FOUNDED:	2013
 EMPLOYEES:	500+
 CUSTOMERS:	10,000+ organizations
 COUNTRIES COVERED:	180+
 WEBSITE:	www.securityscorecard.com

SECURITYSCORECARD CORE SERVICES WE RELY ON



CYBER RISK RATINGS

Continuous assessment of organizational security posture and exposure.



THIRD-PARTY RISK MANAGEMENT

Identify, monitor and manage risks across your extended digital supply chain.



SUPPLY CHAIN SECURITY

Strengthen resilience and reduce risk across vendors, suppliers and partners.



AI-POWERED INTELLIGENCE

Leverage artificial intelligence and machine learning for deep, actionable threat insights.



GLOBAL DATA & INSIGHTS

Unmatched visibility with the world's largest cybersecurity intelligence network.

 GLOBAL REPRESENTATION — NON-EXCLUSIVE PARTNERSHIP

 UNITED STATES

INTERNATIONAL OPERATIONS

 Together, building a safer, more resilient digital future.

Strategic global representation

partnership. The framework agreed between The Rob Rockefeller S.C. and

SecurityScorecard: a non exclusive global representation authority that places the Group inside the international perimeter of

cyber risk intelligence, with the profile of the counterparty and the six services on which the partnership operates.

WHAT WAS SIGNED, AND BY WHOM

The partnership was executed in 2025 directly between Mr. Valentino Loforese, Chief Executive Officer and Majority Shareholder of

the Group, and Dr. Aleksandr Yampolskiy, founder and Chief Executive Officer of SecurityScorecard. It carries worldwide representation authority. In a sector where alliances are usually signed between business development

functions, a partnership concluded at the level of the two principals is itself a statement about the institutional grade of the counterparty relationship.

THE FOUR DIMENSIONS OF THE ALLIANCE

DIMENSION	WHAT IT MEANS IN PRACTICE
The Group is measured first	The perimeter of the Group and the systems it deploys are continuously rated under the same discipline the Group asks of everybody else. It is the only relationship in the portfolio in which the Group has accepted to be measured by an external party, continuously, on the same discipline it sells.
Third party risk for the client	Continuous visibility of the vendor ecosystem of the client, in place of periodic questionnaires that are obsolete on the day they are returned. For a ministry or a critical infrastructure operator, the exposure that matters is rarely its own.
Threat intelligence, as institutional context	The research of the STRIKE team, including state linked campaigns and the exposure of internet facing artificial intelligence platforms and agent frameworks, is available to the Group as intelligence. It informs how the Group advises an institution; it is not a component of anything the Group builds.
Assurance across the lifecycle	Penetration testing, red teaming and vulnerability assessment aligned to the testing regime, on systems built by the Group and on systems built by others alike.

STRATEGIC PARTNERSHIP

NON-EXCLUSIVE GLOBAL REPRESENTATION



Security Scorecard



ADVANCED ONLINE RESEARCH

CONTINUOUS MONITORING

ADVANCED FORECASTING

AWARDS & RECOGNITIONS RECEIVED BY SecurityScorecard



**Gartner Peer Insights
"Customer Choice"
for IT Vendor Risk
Management Tools**

Deloitte

Technology Fast 500[™]
2023

Deloitte
Technology Fast 500™
2023



Black Unicorn
Cybersecurity
Startup
of the Year

2025



WORLD
ECONOMIC
FORUM

World Economic Forum
Technology Pioneer



**AMERICAN
CYBER
AWARDS**
American Cyber Awards
Cybersecurity Company
of the Year

UNITING CYBERSECURITY, TECHNOLOGY AND ENERGY INTELLIGENCE
 ————— TO PROTECT WHAT MATTERS —————

Partnership for a secure future. The shared perimeter of the alliance as the two organisations set it out: cyber security, artificial

intelligence and technology, energy security,
geopolitical stability and sustainability.
Collaborate, innovate, protect, sustain.

WHY THE COMBINATION IS UNUSUAL

Rating institutions measure; engineering institutions build. An organisation that receives a poor rating on a critical system is told with precision what is wrong, and then has to find somebody able to correct it inside a system whose architecture it may not control. The relationship described here places the Group on both sides of that line: measurement without the capacity to remediate is a report, remediation without independent

measurement is an assertion, and the two together are an assurance position.

The independence clause, stated in full. The alliance does not extend to AURYNTHEON. It confers no rights over the cryptographic stack of the Group, which is never licensed and never shared. It places no third party component inside the systems the Group builds, and no part of the artificial intelligence and cyber department of the Group depends on it. What it adds is external, independent, continuously updated measurement, and institutional standing. The Group states the principle in one line: we build it, we secure it, and we are measured on it by an institution that does not work for us.


Aleksandr Yampolskiy • 1st
 CEO; Cybersecurity expert ; Angel Investor;
 Entrepreneur & Dreamer.
 5h • 🌐

Love seeing these insights from Davos on AI and Security from our good friends at The Rob Rockefeller S. C. (Valentino Loforese) is a strategic partner to SecurityScorecard . #davos #wef #wef26


Valentino Loforese • You
 Executive Vice President / Majority Shareholder of the The Rob Rockefeller S. C. ... AI / Cybersecur...
 22h • 🌐

Day 2 at the World Economic Forum annual meeting Davos 2026 🌐 🗣️






ALEKSANDR YAMPOLSKIY

FOUNDER & CEO OF SECURITYSCORECARD

Cybersecurity Expert • Angel Investor • Entrepreneur

A recognized global leader in cybersecurity, frequently invited to share insights on international media and global platforms.



SecurityScorecard

The global leader in cybersecurity ratings, third-party risk intelligence and AI-powered cyber risk management.

AL JAZEERA - NEW YORK


ALEKSANDR YAMPOLSKIY
FOUNDER & CEO, SECURITYSCORECARD

CNN - NEW YORK


MAJOR FLAWS PUT ALMOST ALL DEVICES AT RISK
Aleksandr Yampolskiy, CEO, SecurityScorecard

BEYOND IDENTITY / TOP 50
 Top 50 in Cybersecurity 2025


U.S. GOVERNMENT RECOGNITION


SecurityScorecard



Transportation Security Administration

SECURITYSCORECARD AT A GLANCE

- 📅 **FOUNDED:** 2013
- 📍 **HEADQUARTERS:** New York, USA
- 👥 **EMPLOYEES:** 500+
- 🏢 **CUSTOMERS:** 10,000+ organizations
- 🌐 **PRESENCE:** Global
- 💰 **VALUATION:** Approaching USD 1 Billion (historical)
- 🌐 **WEBSITE:** www.securityscorecard.com

STRATEGIC COLLABORATION ACKNOWLEDGED PUBLICLY

Aleksandr Yampolskiy, CEO of SecurityScorecard, has publicly recognized The Rob Rockefeller S.C. (Valentino Loforese, Executive Vice President & Majority Shareholder) as a strategic partner of SecurityScorecard.



OUR SHARED FOCUS



CYBER RISK MANAGEMENT

Strengthening digital defenses and resilience.



THIRD-PARTY & SUPPLY CHAIN SECURITY

Reducing risk across vendors, suppliers and ecosystems.



AI-POWERED CYBER INTELLIGENCE

Delivering advanced data and machine learning insights.



GLOBAL INSTITUTIONAL ENGAGEMENT

Supporting organizations and governments worldwide.



INNOVATION & EXCELLENCE

Driving technology innovation and security excellence.

SecurityScorecard Signs CISA's Secure by Design Pledge





GLOBAL REPRESENTATION PARTNER (NON-EXCLUSIVE)



UNITED BY PURPOSE COMMITTED TO SECURITY



BUILDING A SAFER, MORE RESILIENT FUTURE

From Davos to the World.

7.3 · THE OPERATING ALLIANCES

Four operating partnerships carry the four engineering centres. In each of them the ownership rule of Part Two applies without exception, and in none of them does a partner acquire anything the Group authored.

One of these partnerships deserves a specific note. The energy partnership is the only one in the portfolio in which the Group holds worldwide commercial rights over a technology it did not invent: the arrangement works because the inventor keeps the invention and the factory, and the Group brings the institutional access described in Parts Nine to Thirteen.

The commercial doctrine, uniform across the network. The Group does not deploy cash into partner ventures, and does not ask its partners to capitalise the Group. The Group contributes technology, engineering execution, quality infrastructure and institutional network; the partner contributes what it holds, which is sector capability, local operational presence, jurisdictional credibility and market access. The structure of each cooperation is defined jointly, on the contributions each party actually holds, and the intellectual property of each party remains its own, with joint deliverables regulated case by case.

7.4 · THE INSTITUTIONS

Institutional and multilateral counterparties.

The reference base of the Group is institutional: multilateral development finance, United Nations agencies, bilateral cooperation, ministries and national operators.

Dr. Karen Sumser-Lupson. *A bridge to global institutions.*

Strategic Partner of The Rob Rockefeller Standard Carbon for Global Development & Finance — the direct senior interface to the World Bank, the United Nations and the Green Climate Fund for the Group's African project pipeline. Goodwill Ambassador for the African Union's Agenda 2063, President of WAF-UNA.

STRATEGIC PARTNER



WORLD BANK · UN · GREEN CLIMATE FUND

A BRIDGE TO GLOBAL FINANCE

Dr. Karen Sumser-Lupson is a distinguished figure in international development. Her institutional roles include Goodwill Ambassador for the African Union's Agenda 2063 and President of WAF-UNA. Chairman-Commissioner of the African Maritime Safety Agency and International Expert for the European Commission.

The bankable-projects programme. Dr. Sumser-Lupson's alliance with RRSC provides direct, high-level access to the World Bank, the United Nations and the Green Climate Fund. Engineered to develop fully bankable, large-scale initiatives meeting the specific criteria of these global funds.

The process. Project needs are identified through RRSC African branches; proposals are developed with local governments; financing is structured with Dr. Sumser-Lupson's expertise; submissions are routed through her established institutional channels to secure funding. Every RRSC African initiative is engineered to global development standards.

ROLES & MANDATES

Dr. Karen Sumser-Lupson

-  **RRSC ROLE**
Strategic Partner · Global Development & Finance
-  **AFRICAN UNION**
Goodwill Ambassador · Agenda 2063
-  **UN ASSOCIATION**
President · WAF-UNA
-  **MARITIME AGENCY**
Chairman-Commissioner · African Maritime Safety Agency
-  **EU COMMISSION**
International Expert
-  **INSTITUTIONAL ACCESS**
World Bank · United Nations · Green Climate Fund
-  **RRSC SCOPE**
African project pipeline · bankable-projects programme



DIRECT INSTITUTIONAL ACCESS TO:

THE WORLD BANK · UNITED NATIONS · GREEN CLIMATE FUND



Dr. Karen Sumser-Lupson, Strategic Partner for global development and finance. The senior interface of the Group towards the World Bank, the United Nations and the Green Climate Fund for the pipeline of African projects, Goodwill Ambassador for the Agenda 2063 of the African Union and President of a United Nations association.

The programme with the strategic partner for global development and finance is built on a defined process. Project needs are

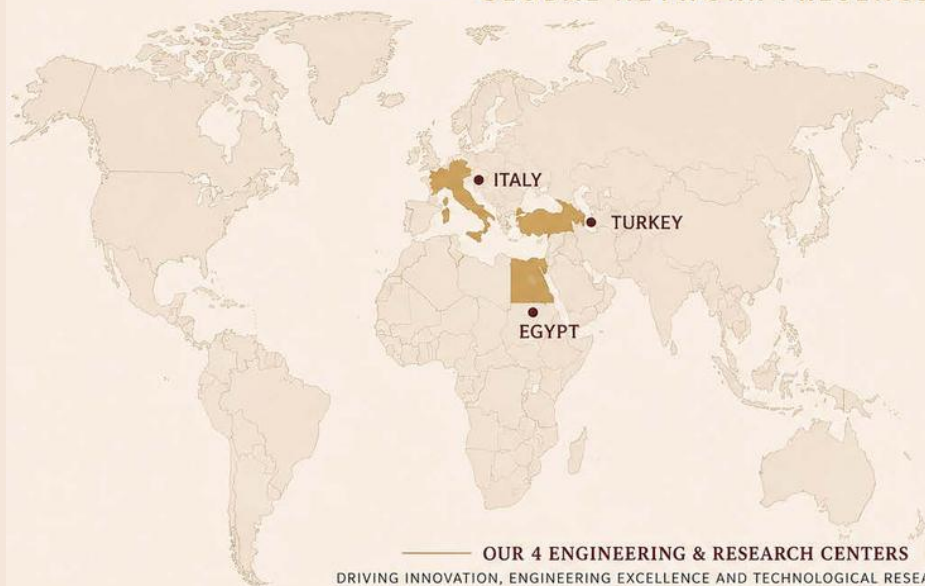
identified through the African branches of the Group; proposals are developed with the local governments; the financing is

The institutional mandates. The roles that give the partnership its access: African Union, United Nations association, maritime safety agency and expert to the European Commission.

structured with the expertise of the partner; and submissions are directed through her consolidated institutional channels. Every

ENGINEERING & RESEARCH CENTERS

GLOBAL NETWORK PRESENCE



ENGINEERING & RESEARCH CENTERS		
CENTER		LOCATION
	BRINDISI ENGINEERING & RESEARCH CENTER	PUGLIA, ITALY
	MONTEGRANARO ENGINEERING & RESEARCH CENTER	MARCHE, ITALY
	BURSA ENGINEERING & RESEARCH CENTER	TURKEY
	CAIRO ENGINEERING & RESEARCH CENTER	EGYPT

OUR 4 ENGINEERING & RESEARCH CENTERS

DRIVING INNOVATION, ENGINEERING EXCELLENCE AND TECHNOLOGICAL RESEARCH WORLDWIDE.



4 ENGINEERING &
RESEARCH CENTERS
TECHNOLOGICAL INNOVATION
AND RESEARCH HUBS



3 CONTINENTS
EUROPE, ASIA, AFRICA



3 NATIONS
ITALY, TURKEY, EGYPT



4 STRATEGIC HUBS
ENGINEERING EXCELLENCE
AND TECHNOLOGY RESEARCH

PART EIGHT

Engineering and technological research centres.

Four engineering centres on three continents, each with its own floor, payroll, certificates and named leadership, together covering the complete industrial cycle.

WHY THIS PART EXISTS

The second production system of the Group, and the one that answers a different question: not can it be designed, but can it be built, certified, engineered into a plant and operated safely.

8.1 Four centres, one industrial cycle

8.2 Bursa, Türkiye: the technology engine

8.3 Montegranaro, Italy: the research centre

8.4 Brindisi, Italy: coordination and engineering design

8.5 New Cairo, Egypt: assurance and transition

8.6 The four centres in numbers and certificates

African initiative of the Group is engineered to the standards these funds actually apply, which is the

difference between a project that is fundable and a project that is merely worthy.

COUNTERPARTY	NATURE OF THE RELATIONSHIP
The World Bank	Reference client of the engineering core across public financial management, transport, land management and agriculture; and a channel for the African project pipeline
United Nations agencies	Development, agricultural and labour programmes delivered by the engineering core
USAID	Global health supply chain and health systems programmes
GIZ, KOICA, JICA, JSDF, Swiss Cooperation	Bilateral cooperation programmes delivered over more than a decade
Green Climate Fund	Institutional channel for the African climate project pipeline
Government of Nepal	Sovereign client across ministries, departments, provincial authorities and state enterprises
Egyptian national energy authorities	Approval of the training capability and the industrial perimeter of the Egyptian centre
Bulgarian Academy of Sciences, Centre of Competence QUASAR	Scientific cooperation on quantum resistant cyber security, sovereign artificial intelligence and critical infrastructure
University Canada West	The academic vertical of the Group in artificial intelligence and cyber security

R. ROCKEFELLER S.C. | THE ROB ROCKEFELLER STANDARD CARBON LLC
COMPANY PROFILE 2026 · INSTITUTIONAL EDITION

Engineering. *The engineering team.*

The engineering force behind the research and technology innovation in the energy sector. Coordinated centers in Brindisi and Montegrano (Italy) and the Engineering Center in Cairo — operating across Türkiye, Italy and Egypt under unified technical governance.

ENERGY TECHNOLOGY RESEARCH
Innovation for a Sustainable Future

ZERO IMPACT ENERGY SYSTEMS
Research for clean, renewable and high-efficiency solutions

ENGINEERING EXCELLENCE
Advanced engineering and system integration

GLOBAL TEAM LOCAL IMPACT
One governance, multiple centers, shared values

Hüseyin Karayağız
GENERAL MANAGER OF THE ROB ROCKEFELLER S.C. TECHNOLOGY ENGINEERING CENTER TÜRKİYE
Hüseyin Karayağız
CEO RePG · CHAIRMAN OF THE BOARD
CEO and Chairman of RePG Enerji Sistemleri San. ve Tic. A.Ş., Bursa. Strategic Partnership with RRSC — World Bank & UN exclusivity. World record 55°C minimum-temperature AGS module operational at Hayat Kimya.

Hasan Ayartürk
GENERAL MANAGER & CHIEF OF STAFF ENGINEER THE ROB ROCKEFELLER S.C. TECHNOLOGY ENGINEERING CENTER TÜRKİYE
Hasan Ayartürk
GM & CHIEF OF STAFF ENGINEER · BURSA
General Manager and Chief of Staff Engineer of The Rob Rockefeller S.C. Technology Engineering Center Türkiye. Majority Shareholder of RePG. Coordinates the engineering team behind the world-record AGS module deployed at TRL-9 at Hayat Kimya.

Sandro Nasta
EXECUTIVE MANAGER ENGINEERING AREA AND DIRECTOR OF THE TECHNOLOGY RESEARCH LABORATORY
Sandro Nasta
EM ENGINEERING · DIRECTOR TRL BRINDISI
Executive Manager Engineering Area and Director of the Technology Research Laboratory. Directs the Brindisi strategic coordination centre. Coordinates with Bursa on advanced engineering and system integration, with Milan on SIA validated technology stack.

Dr. Yahia Zakaria
GENERAL DIRECTOR RRSC ENG. CENTER EGYPT
Dr. Yahia Zakaria
GENERAL DIRECTOR · RRSC ENG. CENTER EGYPT
General Director of the RRSC Engineering Center Egypt — Cairo. MSc Safety, Health & Environment (Univ. of Greenwich, UK). UK IOSH · BOHS · NEBOSH-IGC · IRCA Lead Auditor (ISO 45001/9001/14001/22000). 20+ years across BG Group, Shell, ADES.

Andrea Miano
DIRECTOR RESEARCH ENGINEERING CENTER MONTEGRANO · ITALY
Andrea Miano
DIRECTOR · RESEARCH ENGINEERING CENTER MONTEGRANO · ITALY
Director of the Research Engineering Center Montegrano, Italy. Leads R&D in energy technology and engineering with zero impact. Focus on innovative, efficient and sustainable solutions for the energy sector.

RESEARCH & INNOVATION
Continuous technological advancement in the energy sector.

ZERO IMPACT SOLUTIONS
Developing clean, renewable and high-efficiency energy systems.

INTEGRATED ENGINEERING
Cross-center collaboration for advanced engineering and system integration.

ONE GOVERNANCE, ONE VISION
Unified technical governance across Türkiye, Italy and Egypt.

8.1 · THE DOCTRINE

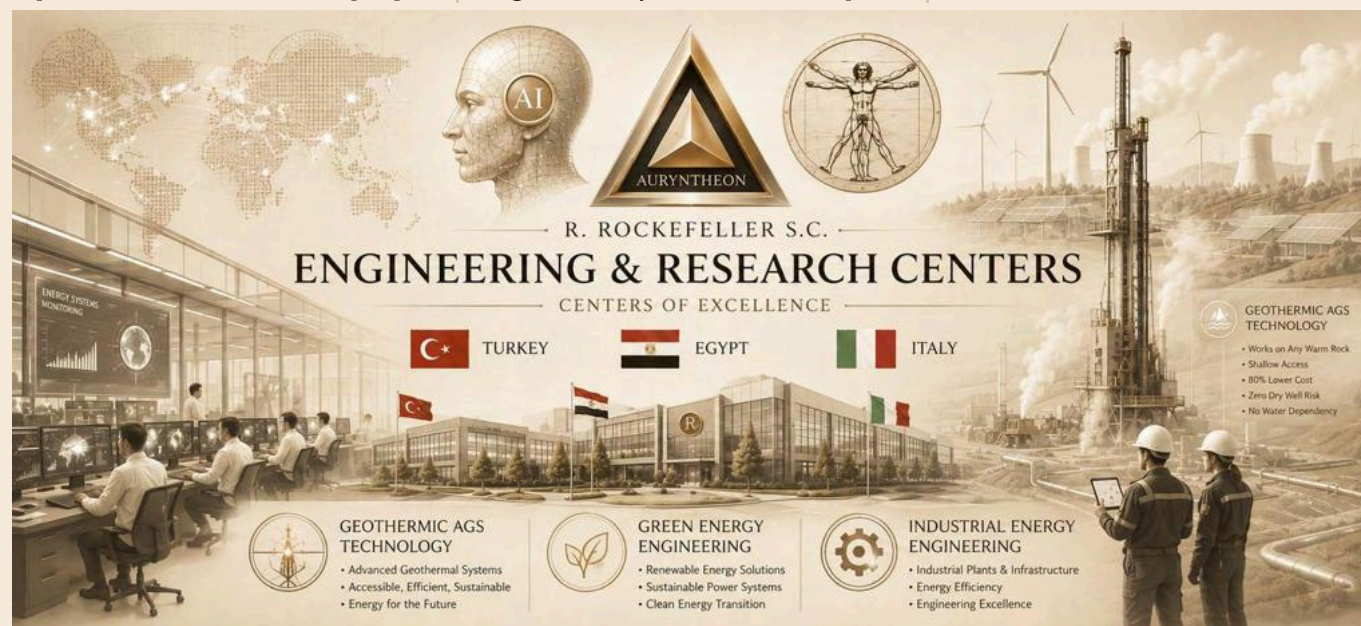
Four centres, one industrial cycle.

A complete engineering environment, not a representative office. Each of the four centres answers one question, and between them they answer all four questions an energy project has to survive.

An engineering centre, in the language of this volume, is a place with a floor, a payroll, instruments and certificates, not a representative office with a plaque.

The Group has four of them, in three countries, and each one was chosen because it answers a question the others cannot. Together they cover the complete

industrial cycle of an energy project, from the first measurement on a bench to the certification of the crew that will run the plant.



The engineering and research centres of the Group. Türkiye, Egypt and Italy: the operating facilities in which the technology of the Group is

researched, built, engineered and assured.

CENTRE	THE QUESTION IT ANSWERS	WHAT IT OWNS
Montegranaro, Fermo, Italy	Can the technology be established and measured?	Original research, prototyping and instrumented demonstration
Bursa, Türkiye	Can it be built and certified?	The technology and the patents, and the certification of the machine
Brindisi, Puglia, Italy	Can a plant be engineered around it?	The plant engineering, from feasibility through to as built
New Cairo, Egypt	Can it be operated safely, audited and decarbonised?	Operational assurance, training and decarbonisation

The four questions are sequential, and an energy project that fails any one of them does not reach operation. A technology that cannot be measured is a claim; a technology that cannot be certified

cannot be sold in a regulated market; a machine without a plant engineered around it never leaves the workshop; and a plant without certified crews and an audited safety system is not permitted to

run inside an industrial operator. The Group holds all four capabilities inside its own network, and that is the reason the centres are presented together rather than separately.

PHASE OF THE INDUSTRIAL CYCLE	CENTRE	WHAT IS PRODUCED
Original research	Montegranaro	Characterised properties, running prototypes, reproducible demonstrators
Applied research	Bursa	The thermodynamic cycle, the science of the working fluid, the patents
Product	Bursa	The certified machine and the containerised module
Concept and front end design	Brindisi	Feasibility, scope, basic and front end engineering design
Detail design	Brindisi	Process and instrumentation diagrams, single line drawings, the three dimensional model, isometrics
Build support	Brindisi	Control and safety cabinets, engineered, assembled and functionally tested
Mobilisation	New Cairo	Control of work, permit systems, certification of the crews

PHASE OF THE INDUSTRIAL CYCLE	CENTRE	WHAT IS PRODUCED
Operation	New Cairo	Audit, behaviour based safety, monitoring with artificial intelligence
Transition	New Cairo	Carbon assessment, environmental and social reporting, abatement

One turbine architecture, engineered across four centres under a single technical governance: what makes an advanced geothermal programme deliverable rather than aspirational.

There is no phase of an energy project the Group originates in which it depends on an external party. Where two centres appear as prime in the same phase, the phase is split by scope: Bursa commissions the machine, Brindisi commissions the plant around it, and New Cairo certifies the crew that will run it.

ENGINEERING CENTER – BURSA, TURKEY

Main Engineering Hub — Technology & Energy | 4000 m²





-  **TEAM:**
85+ Senior Engineers & Technicians
-  **SPECIALIZATION:**
Energy Technology & Industrial Systems
-  **STRATEGIC HUB:**
European & Middle Eastern Operations
-  **KEY FOCUS:**
RePG & SIA Technology Development
-  **CAPACITY:**
Full-scale Prototyping & Manufacturing
-  **GEOHERMAL AGS & ENERGY TECHNOLOGY:**
Advanced Geothermal Systems & Sustainable Energy Solutions
-  **INTELLECTUAL PROPERTY:**
180+ Global Patents
-  **CERTIFICATIONS:**
ISO 9001, ISO 14001



The Bursa Engineering Center: Where Innovation Lives

Original Photographs — Real Technology, Real Engineers, Real Results



RePG ORC Geothermal Unit — Bursa Engineering Center, Turkey



Heat Exchanger & Piping System — Proprietary Design



ORC Turbine Module — Commercial Unit



Manufacturing & Testing Floor — Bursa, Turkey



US Patents on Display — RePG Engineering Center



US Patents on Display — RePG Engineering Center

Every component shown is designed, manufactured, assembled, and tested at our Bursa Engineering Center. These are not renderings — this is our technology, operational and ready for global deployment.

Original Photographs — R. Rockefeller S.C. Engineering Center, Bursa, Turkey

RePG Geothermal Technology — Assembly & Control Systems



Assembly & Integration —
RePG ORC Unit, Bursa

Electronic Control Panel —
Proprietary SCADA System

Leadership Visit —
Bursa Engineering Center

Bursa: units in operation. Original photographs of the centre: a containerised unit in field deployment, a modular array installed on an industrial site, and the engineering team in the Bursa workshop.

The Bursa centre is the operational forge of the energy vertical. It is a full stack engineering operation covering the entire lifecycle of the module: subsurface engineering and wellbore architecture, closed loop manufacturing and the chemistry of the proprietary working fluid, surface power generation, integration of controls, monitoring, and field validation in continuous operation. Its mandate is not theoretical research. It is where the record minimum operating temperature was achieved, where the first commercially certified module was

built and deployed, and where the manufacturing knowledge, the intellectual property and the deployable engineering force reside.

THE PARTNER: REPG ENERGY

RePG Energy was founded in 2016 by Hasan Ayarturk with the support of the founding grant programme of the Turkish national research council, after incubation in 2015 at the principal technology incubator of Istanbul Technical University. The first prototype was produced in 2017. Since then the company has raised a cumulative 99.2 million

Turkish lira from angel investors, strategic and financial investors, funds and deep technology venture capital, and has been funded through national research programmes, a European small business instrument, a Eureka network project with Singapore on electricity from waste heat with an innovative refrigerant mixture, and a Horizon Europe project on a next generation flexible trigeneration geothermal plant. The name stands for Real Power Generator: continuous, uninterrupted electricity from renewable and waste heat sources.

ASSET	COUNT
Global portfolio	More than 180 patents and assets
Registered patents	32, of which 26 national and 6 international, in the United States, at the European Patent Office, in Algeria and in South Africa
Patent applications	9, of which 7 national and 2 international
Trademarks	22 registered
Industrial designs	4 registered, 1 pending
Utility models	1 registered, 1 pending

The intellectual property portfolio behind the machine, held by the operating partner.

DISCIPLINE	SCOPE ON THE FLOOR
Research and process	The thermodynamic cycle, the science of the working fluid, recuperation
Mechanical	Turbine, skid, heat exchangers, design of the containerised module
Electrical	Asynchronous generator, cabinets, synchronisation with the grid
Electronic and power	Power electronics, inverters, protection systems
Software and control	Control logic, automation, cloud supervisory telemetry
Chemical	Selection of the working fluid, charging of the sealed circuit
Automotive	Compact packaging, vibration, thermal management
Biosystems and industrial	The atmospheric water line and process integration

Huseyin Karayagiz
General Director of the Bursa engineering hub; Chief Executive Officer and Chairman of the Board of RePG Energy
A computer engineer by training. Holds the general management of the Bursa engineering centre within the structure of the Group and directs the hub on the geothermal vertical and its industrial deployment.

Hasan Ayarturk
Chief of Staff Engineer of the main global engineering centre; founder and General Manager of RePG Energy
A mechanical engineer and the lead inventor of the patent portfolio. Coordinates the global engineering team of the Group and carries the technical responsibility for the machine itself.

The Bursa floor. Original photographs of the engineering centre: the assembly of a module, the proprietary control system and the industrial hall where every unit is run at full load before dispatch.

8.3 · CENTRE TWO

Montegranaro, Italy: the research centre.

One thousand four hundred square metres in the precision engineering district of the Marche, fourteen resident engineers, and a mandate for original research that belongs to the centre itself.

THE CENTRE AT A GLANCE			
DENOMINATION	R. Rockefeller S.C. Engineering Center Italy	CENTRE TYPE	Strategic independent research and development centre
MISSION SECTORS	Green energy; technological research; artificial intelligence in the energy sector	ADDRESS	Via Massimo d'Antona snc, 63812 Montegranaro, province of Fermo, Italy
COVERED AREA	1,400 square metres of offices, laboratories, testing areas and production hall	PEOPLE	14 resident engineers and technical specialists
GENERAL DIRECTOR	Andrea Miano	TECHNICAL PARTNER	Think Green Technologies S.A., Switzerland and Italy
PARTNER SYSTEMS	ISO 9001 and ISO 14001, under ILC Certification	HEADQUARTERS OF THE ITALIAN OPERATION	RRSC Italy Branch, Milan

The status of the centre carries substance. Strategic independent means that it sets its own research agenda, retains its own technical personnel, owns its test infrastructure and is free to enter programmes of its own definition, while remaining fully integrated in the international engineering

network of the Group. It is neither a commercial office nor a subcontracting workshop: it is a laboratory grade industrial site equipped to carry a technology from first principle through to a working, fully instrumented prototype.

The location is deliberate. The Fermo and Macerata belt is among the most specialised manufacturing districts in central Italy, with a long tradition of precision mechanics, industrial automation and tooling. A research centre placed inside that ecosystem can prototype quickly, source components within a short



R. Rockefeller S.C.

ENGINEERING RESEARCH CENTER (ITALY)

MONTEGRANARO (FM) – ITALY



GREEN ENERGY
SUSTAINABLE AND
INNOVATIVE ENERGY
SOLUTIONS



AI & SUSTAINABILITY
ARTIFICIAL INTELLIGENCE
FOR A SUSTAINABLE
FUTURE



TECHNOLOGICAL RESEARCH
ADVANCED RESEARCH AND
TECHNOLOGICAL
DEVELOPMENT



TECHNICAL PARTNER

THINK GREEN
TECHNOLOGIES



ADVANCED ENGINEERING FOR A SUSTAINABLE FUTURE

GREEN ENERGY • AI & SUSTAINABILITY • TECHNOLOGICAL RESEARCH • CONTINUOUS INNOVATION



TECHNICAL PARTNER:



ISO 9001
2015
CERTIFIED

THINK GREEN TECHNOLOGIES S.A.
LUGANO – SWITZERLAND

VIA LUGANO 18 – 6900 LUGANO (CH) – SWITZERLAND
info@think-green.swiss – www.think-green.swiss

SWITZERLAND
CONFEDERATION

UID: CHE-284.324.657



www.therockefeller-sct.com

1400 m²

OF INNOVATION AND TECHNOLOGY

State-of-the-art spaces
designed for engineering
excellence, research,
development and the
creation of sustainable,
high-performance
solutions.



ADVANCED
ENGINEERING



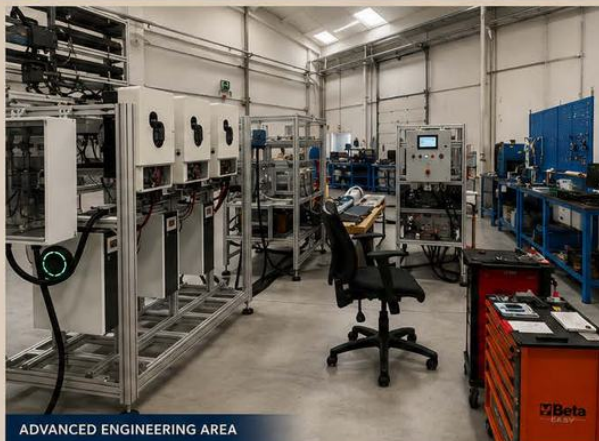
INNOVATION &
TECHNOLOGY



HIGH PRECISION
EQUIPMENT



RESEARCH &
DEVELOPMENT



ADVANCED ENGINEERING AREA



PRODUCTION HALL OVERVIEW



LABORATORY & TESTING AREA



EXECUTIVE OFFICE



TECHNICAL OFFICES



PRECISION INSTRUMENTATION



TECHNICAL SUPPORT AREA



ANDREA MIANO

RRSC ENGINEERING CENTER AND RESEARCH DIRECTOR

radius and recruit from a workforce that has grown up alongside machine tools. The centre is

deliberately small and deliberately deep: fourteen resident engineers are enough to hold several research

lines open at the same time, and few enough that every result has a name attached to it.



The engineering and research centre of Italy.

The Montegrano facility in the province of Fermo: a strategic independent research and

development centre for green energy, technological research and artificial intelligence applied to the energy sector.

Inside the centre. The two storey technical building on the industrial belt of Montegrano: engineering offices above, laboratories, testing areas and the production hall at ground level, with modular test frames that can be reconfigured without structural work.

GOVERNANCE AND THE ENGINEERING TEAM

Andrea Miano

General Director of the engineering centre and research director of the Group

Holds the overall direction of the centre: research programming, technical and industrial relations, governance of the site and its representation within the engineering network of the Group, and the direction of the research programme across the centres.

Mauro Noviello

Head of mechatronics

Responsible for electro mechanical architecture, control and automation of the test rigs, programmable logic controller programming, instrumentation chains and the integration of mechanical, hydraulic, electrical and control subsystems into working prototypes.

Edoardo Orlandi and Rossano Berdini

Mechatronics office

Design and development: modelling and detailing of assemblies, preparation of test benches, wiring and control schematics, component selection, execution and recording of test campaigns, assembly and commissioning support.

Ten further specialised engineers complete the permanent staff, covering mechanical design, electrical and electronic engineering, control and automation, process chemistry, thermal and fluid engineering, measurement and instrumentation, software and data analysis, and quality assurance. Responsibility is personal: each programme carries the names of the engineers who



conceived, built and measured it, and each test record identifies the engineer who conducted the run.

The facility is organised in technical areas: the advanced engineering area, which is the principal development hall; the production hall, a clear span area for assembly, integration and the staging of larger units; the laboratory and testing area, with fitted benches, electrical distribution, measurement instrumentation and fluid handling; a precision instrumentation station carrying fixed instruments, optical and dimensional equipment and the reference standards against which bench instrumentation is verified;

the technical support area; and the technical and executive offices, placed directly above the hall so that the distance between a workstation and the bench it serves is measured in metres.

THE DISCIPLINE OF EVIDENCE

Three commitments define how work is conducted at Montegranaro: independence of research, transparency of partnership, and a documentary discipline strong enough to withstand independent verification. No performance figure leaves the centre without the run that produced it. Test conditions, instrument identity and calibration

date are recorded with the result, and the raw acquisition file is retained. Programmes are reported at their true stage, and a research direction is never presented as a delivered result.

Machine learning models are trained on the run histories of the centre to characterise the operating envelope of a unit, to detect drift and anomaly ahead of failure, and to search the parameter space for the settings that give the best energy return. This is what artificial intelligence in the energy sector means in this building: models trained on real, measured energy systems, not simulations.

INSIDE OUR TECHNICAL LABS

 **Advanced technical environments** equipped with state-of-the-art technologies for research, development and testing. Every detail is designed to transform ideas into innovative, sustainable and high-performance solutions.



RESEARCH & DEVELOPMENT
Innovation through advanced experimental activities



TESTING & VALIDATION
High-precision testing and performance analysis



TECHNOLOGICAL INNOVATION
Development of cutting-edge technologies for real-world applications



SUSTAINABILITY FOCUS
Solutions for a green energy future and environmental respect





TOTAL AREA
1,400 m²

Dedicated to innovation, research and engineering excellence.

The technical partner. Think Green Technologies, technical partner of the centre, whose process platform provides the foundation for several of the technology families under development.

The centre and its partner. The engineering research centre of Italy presented with its technical partnership and the research families it carries.

The technical partner of the centre is Think Green Technologies S.A., of Lugano, with its Italian research and development operation in Montegranaro. The partner owns the process and its intellectual property; the centre owns the engineering: the rigs on which a process is realised, the instrumentation that measures it, the control systems that make it repeatable and the documentation that makes it transferable. The

application families under development span lubricant and coolant liquids, dielectric and thermo radiating compounds, purification and treatment systems, agricultural liquids and energy applications.

The flagship demonstrator generates electricity from water while disconnected from the grid. The unit produces fifteen kilowatts under proof of concept conditions, with approximately one half self

consumed to sustain its own operation and one half available at output, each line instrumented and timestamped. Development is directed at a purpose designed engine generator, continuous operation, and a build documented to a standard an industrial manufacturer can take into production. The centre states the stage plainly: this is an instrumented demonstrator, not a product.



R. Rockefeller S.C.

BRINDISI CENTER

COORDINATION & ENGINEERING CENTER

The Brindisi Center is our new generic hub for coordination and engineering design.

It will play a strategic role in supporting our global operations and projects across all divisions.



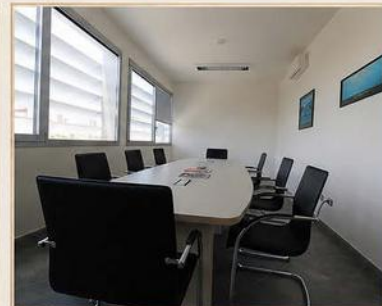
Via Danimarca 2,
72100 Brindisi, Italy



TOTAL AREA:
300 SQM



UNDER THE COORDINATION OF
SANDRO NASTA



GENERIC HUB FOR
**COORDINATION
& ENGINEERING
DESIGN**



STRATEGIC SUPPORT
FOR GLOBAL
OPERATIONS
AND PROJECTS



DEDICATED TO
EXCELLENCE,
INNOVATION AND
GLOBAL IMPACT

COORDINATION. DESIGN. INNOVATION. GLOBAL IMPACT.

8.4 · CENTRE THREE

Brindisi, Italy: coordination and engineering design.

The newest centre of the Group and the one with the widest mandate: three hundred square metres of offices at Via Danimarca 2, from which the coordination of the global operations and the engineering design of the projects of every division are carried.

THE CENTRE AT A GLANCE

ROLE IN THE GROUP	Coordination and engineering design centre: the generic hub for the coordination of the global operations of the Group and for the engineering design of the projects of every division	ADDRESS	Via Danimarca 2, 72100 Brindisi, Puglia, Italy
SURFACE	300 square metres of offices, meeting rooms and design stations	COORDINATION	Sandro Nasta, Executive Manager of the engineering area of the Italian branch
TECHNICAL PARTNER	Skem@ Srl, for prime plant engineering in licensed process technology	PEOPLE	More than 25 specialists and engineers across 6 disciplines, with the technical partner
DELIVERY RECORD	More than 40 countries, 5 continents, more than 15 years of continuous delivery	CERTIFICATION	ISO 9001 and ISO 45001

Brindisi is the most recent addition to the network and, in the architecture of the Group, the one that closes it. The other three engineering centres each answer a technical question: whether a technology can be measured,

whether it can be built and certified, whether it can be operated safely. Brindisi answers a different one: who holds the whole thing together. It is the seat from which the global operations of the Group are coordinated and from

which the engineering design of projects is directed across every division, and it plays that role for the artificial intelligence and cyber programmes as much as for the energy ones.

RRSC

ENGINEERING CENTER BRINDISI

GLOBAL NETWORK PRESENCE

Quality, Safety and ISO Certifications.

OUR COMMITMENT. YOUR TRUST.

- 
01. ISO 9001 CERTIFICATION
for the management of quality processes.
- 
02. ISO 45001 CERTIFICATION
for occupational health and safety.
- 
03. HSEQ CULTURE
integrated in every operational phase.






PEOPLE
SAFETY
QUALITY
INNOVATION
SUSTAINABILITY


QUALITY OF PROCESSES
High standards and continuous improvement to ensure excellence and reliability.


SAFETY FIRST
We protect people and promote safe working environments.


COMPLIANCE & CERTIFICATIONS
ISO certified systems to ensure compliance, transparency and value.


PEOPLE & PERFORMANCE
A skilled team, an integrated approach, a methodology for a better future.

ENGINEERING A SAFER, SMARTER AND MORE SUSTAINABLE TOMORROW

BRINDISI / ITALY

Brindisi is the most recent addition to the network and, in the architecture of the Group, the one that closes it. The other three engineering centres each answer a technical question: whether a technology can be measured,

whether it can be built and certified, whether it can be operated safely. Brindisi answers a different one: who holds the whole thing together. It is the seat from which the global operations of the Group are coordinated and from

which the engineering design of projects is directed across every division, and it plays that role for the artificial intelligence and cyber programmes as much as for the energy ones.



The Brindisi Center. The coordination and engineering design hub of the Group at Via Danimarca 2 in Brindisi: three hundred square metres of offices, meeting rooms and design stations, under the coordination of Sandro Nasta. It is the generic hub through which the Group supports its global operations and its projects across all divisions.

The engineering capability at Brindisi has an unusual lineage. It is the former engineering division of a major polyolefin producer, the division that served the business from which an entire family of polypropylene process

technologies originated. When that division was divested, the nucleus of people, knowledge and delivery discipline became an independent engineering house, and it has been retained by the same licensor across four continents for more

than fifteen years. What survives from that lineage is a rare position: prime engineering capability in polyolefins, and the discipline of engineering to licensor standard for third party plants.

FUNCTION	SCOPE
Project management and controls	Project management, planning and control, document control
Process and technology	Technology and licence evaluation, simulation, process flow and instrumentation diagrams
Mechanical	Equipment, packages, pressure vessel analysis, pipe stress
Piping and layout	Three dimensional models, spooling, management of isometrics
Civil, structural and building services	Structural design, buildings, heating, ventilation and air conditioning
Electrical and instrumentation	Single line diagrams, load calculation, control and safety systems, telecommunications

The service ladder runs from concept to operations: conceptual design, feasibility study, scope definition, estimating and licence evaluation; basic engineering, front end engineering design and detail engineering; project management, procurement and construction support, commissioning and start

up; and plant engineering, asset performance improvement, maintenance support and as built services. The delivered record spans oil and gas, including offshore floating production units, gas compression and processing, terminals, flare systems and pipelines; petrochemicals, including

polypropylene and polyethylene plants and compounding; power, including combined cycle, cogeneration, biomass and waste to energy; and green energy, including solar, wind, green hydrogen, water treatment and desalination.

WHERE THE SAME TEAM ADDS MOST VALUE	WHAT IT COVERS
Polyolefins	Basic and front end design lines for licensed polypropylene and polyethylene process plants, at capacities from two hundred to six hundred thousand tonnes a year
Electrical, instrumentation and control	Single line design, control and safety systems, supply and functional testing of panels
Offshore and floating production	Topsides, chemical injection, living quarters and modifications
Gas and oil treatment	Dehydration, desalting, metering, pressure reduction and high integrity pressure protection
Liquefied natural gas storage	Floating storage and regasification and coastal storage, with gas quality correction
Green hydrogen	Electrolysers, coupling with photovoltaic generation, high pressure storage and blending; including basic design for a five megawatt green hydrogen facility in Italy



New Cairo, Egypt: assurance and transition.

THE CENTRE AT A GLANCE

CO-BRANDED DESIGNATION	R. Rockefeller S.C. Engineering and Sustainability Center, Egypt: the coordination centre of the Group for Africa and the wider region	OPERATING PARTNER	Yellow Helmet Egypt
ADDRESS	Building 2, Group 10009, 10th Neighborhood, 1st Settlement, New Cairo, Arab Republic of Egypt, with a second operational branch in the same metropolitan area	PEOPLE	45 in total: more than 30 consultants in health, safety, security, environment and quality, and 15 specialist engineers, with more than 350 combined professional years
TRACK RECORD	More than 15,000 professionals trained, more than 900 services delivered, more than 70 major projects	CERTIFICATIONS	ISO 9001, ISO 14001, ISO 45001 and ISO 27001, with recognised industry standards and training capability approved by the national petroleum and gas authorities
GENERAL DIRECTOR	Dr. Yahia Zakaria	PARTNERSHIP REFERENCE	RRSC-YHE-EGY-2026-001

The centre exists because of a structural gap in the market it serves. A health and safety consultancy audits and trains but does not deploy artificial intelligence or decarbonisation. A

certification body certifies but does not deliver. An engineering contractor engineers but does not build a safety culture. An environmental and social advisory reports but does not execute

industrially. This centre holds all four capabilities under one roof, and that is the reason industrial operators use it as a single counterparty.

STRATEGIC PARTNERSHIP ECOSYSTEM



The engineering centre of Egypt. Two operational branches in Egypt with more than one thousand square metres of total office

space, engineering and monitoring rooms, and delivery across the Middle East and North Africa.

STEP	WHAT THE CENTRE DOES	WHAT THE CLIENT RECEIVES
1. Baseline	Gap analysis against international and sector standards	A documented statement of where the operation actually stands
2. System	Design of the management system, the permit to work regime and the behaviour based safety programme	An implementable framework, not a policy document

STEP	WHAT THE CENTRE DOES	WHAT THE CLIENT RECEIVES
3. Mobilisation	On site integration with the operating organisation	The system running on the site and the shifts of the client
4. Competence	Certification of the workforce, approved by the national energy authorities	A crew certified to operate what has been built
5. Evidence	Monitoring with artificial intelligence, predictive analytics and performance dashboards	Continuous proof, in field data, that the system is working

Dr. Yahia Zakaria Aly Moustafa

Direttore Generale



Direttore Generale.



Team multidisciplinare di oltre **30+** consulenti **HSSEQ**.



Esperienza professionale combinata di oltre **350** anni.



In technical partnership with Yellow Helmet Egypt. The seven service ecosystems of the centre, from health, safety, security, environment

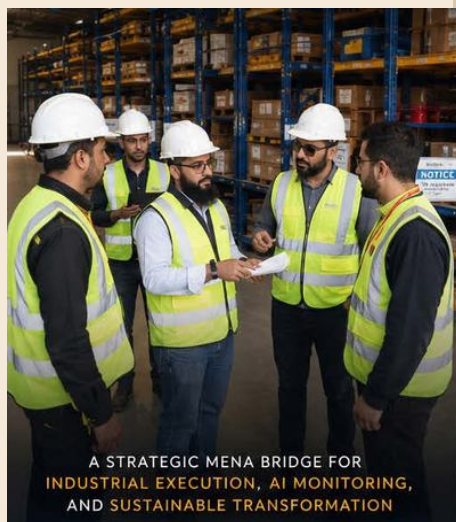
and quality through to the flagship ecosystem: monitoring with artificial intelligence and intelligent industrial systems.

THE FLAGSHIP: INDUSTRIAL MONITORING WITH ARTIFICIAL INTELLIGENCE

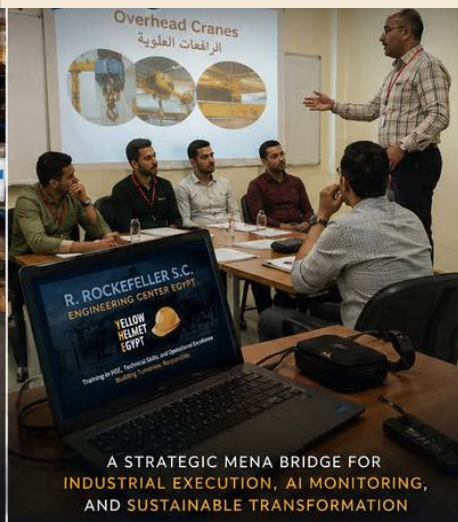
The flagship ecosystem of the centre is the one that connects it to the rest of the Group. It verifies compliance with personal protective

equipment automatically, through the existing closed circuit television estate of the client and without new camera infrastructure; it detects fire, smoke, falls, intrusion and unsafe behaviour in real time; it applies vision and vision language analytics with deployment at the edge and integration with robotics; and it

consolidates alerts, reports and operational intelligence into dashboards. The framework is designed to operate at scale in high hazard industrial environments: oil and gas, steel, manufacturing and infrastructure. It runs under an information security management system certified to ISO 27001.



A STRATEGIC MENA BRIDGE FOR INDUSTRIAL EXECUTION, AI MONITORING, AND SUSTAINABLE TRANSFORMATION



A STRATEGIC MENA BRIDGE FOR INDUSTRIAL EXECUTION, AI MONITORING, AND SUSTAINABLE TRANSFORMATION

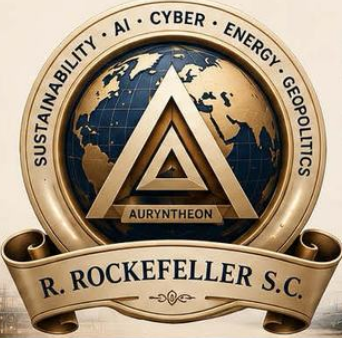


A STRATEGIC MENA BRIDGE FOR INDUSTRIAL EXECUTION, AI MONITORING, AND SUSTAINABLE TRANSFORMATION

RRSC

ENGINEERING CENTER EGYPT

Building Tomorrow.
Responsibly.



AI. SECURITY. ENERGY. SUSTAINABILITY. EXCELLENCE.

A Strategic MENA Bridge for Industrial Execution,
AI Monitoring, and Sustainable Transformation.



INDUSTRIAL
EXECUTION



AI-POWERED
MONITORING



PREDICTIVE
MAINTENANCE



ENERGY
OPTIMIZATION



SAFETY
ASSURANCE

YELLOW HELMET EGYPT

An Integrated Platform for HSEQ,
Industrial AI Monitoring, and
Digital Transformation.





CONTROL ROOMS



PREDICTIVE ANALYTICS



REAL-TIME MONITORING



IMPACT
15K+
TRAINED
PROFESSIONALS



900+
SERVICES
DELIVERED



70+
MAJOR
PROJECTS

GLOBAL CERTIFICATIONS & STANDARDS

COMPLIANCE. QUALITY. TRUST.












WIZATA



YELLOW
HELMET
EGYPT



INTERNATIONAL
STANDARDS



GLOBAL
RECOGNITION



OPERATIONAL
EXCELLENCE



SAFETY
COMMITMENT

Certifications and standards. The credentials portfolio of the centre: international management systems, professional

accreditations and the industry standards under which it operates in the energy sector.

The centre works with the principal Egyptian governmental partners in the energy and industrial perimeter: the national petroleum corporation, the natural gas holding company, the petrochemicals holding company and the southern valley petroleum holding company. In 2026 the institutional standing of the centre changed in kind, and Part Thirteen of this volume describes that change in detail: a first time registration in the system of cooperating companies of the national organisation for military

production, a partnership with a major university in Cairo, and a commercial recommendation issued through the Egyptian embassy in Washington to the sectoral export councils.

Dr. Yahia Zakaria

General Director of the engineering centre of Egypt

Founder and Managing Director of Yellow Helmet Egypt and General Director of the co branded centre. A health, safety and environment consultant by profession, with a Master of Science in safety, health and environment from the University of Greenwich and lead auditor qualifications for the international management standards. More than twenty years across major international energy operators, and the leadership of a consulting force of more than thirty specialists.

8.6 · CONSOLIDATED

The four centres in numbers and certificates.

Floor area adds. Headcount adds. Disciplines add, because the four centres genuinely cover different ones. Patents do not add across centres, because they are held by one partner.

10,765

SQUARE METRES OF
ENGINEERING FLOOR

169

ENGINEERS AND SPECIALISTS

22+

ENGINEERING DISCIPLINES

10

ISO MANAGEMENT SYSTEMS

MEASURE	BURSA	MONTEGRANARO	BRINDISI	NEW CAIRO	GROUP
Engineering floor, square metres	4,000	1,400	3,000 plus 1,600 plus 265	500 and more	about 10,765
Engineers and specialists	85	14	more than 25	45	169 and more
Engineering disciplines	8	Research team, 8 areas	6	8	22 and more
Registered patents	32, portfolio of more than 180	Partner process intellectual property	.	.	32 registered
ISO management systems	2	2, through the partner	2	4	10 held
Countries with delivered work	.	.	more than 40	Egypt and the region	more than 40
Professionals trained	.	.	.	more than 15,000	more than 15,000
Live generating installations	2	Demonstrator on the bench	.	.	2 in the field

A dot means that the centre does not report that measure: not because the figure is zero, but because the measure does not describe what that centre does.

CENTRE	ISSUING BODY	CERTIFICATE	NUMBER	VALID
Bursa	INTERTURK Uluslararası Belgelendirme, Izmir	CE attestation of compliance, machinery, low voltage and electromagnetic compatibility directives	INT-26-124RES-01	04.05.2026 to 03.05.2027
Bursa	IQR International Certification Services, Dover, Delaware, accredited under IAS and IAF	ISO 9001:2015, quality	QMS-012487	20.11.2025 to 19.11.2026
Bursa	IQR International Certification Services	ISO 14001:2015, environment	EMS-012487	20.11.2025 to 19.11.2026
Montegranaro	ILC Certification, for the technical partner	ISO 9001 and ISO 14001	.	In force
Brindisi	Certification bodies of the operating partner	ISO 9001 and ISO 45001	.	In force
New Cairo	Certification bodies of the operating partner	ISO 9001, ISO 14001, ISO 45001 and ISO 27001	.	In force
New Cairo	National organisation for military production, security sector, Arab Republic of Egypt	Registration in the system of cooperating companies	2026/163, first registration	from 17.06.2026

The certification register of the engineering network. The certificates of Bursa are reproduced with their numbers and dates because they are the certificates that place a machine on a regulated market.

The certified product is the waste heat organic cycle system, model RE-75kW, rated at four hundred volts and fifty hertz, declared against the machinery directive, the low voltage directive and the

electromagnetic compatibility regulation, with four dated test reports covering machine safety and design analysis, electrical safety of machinery, and electromagnetic immunity and

emission in industrial environments. This is what allows the machine to be sold, installed and insured in a regulated market, and it is the difference between a prototype and a product.



Advanced Geothermal Systems (AGS)



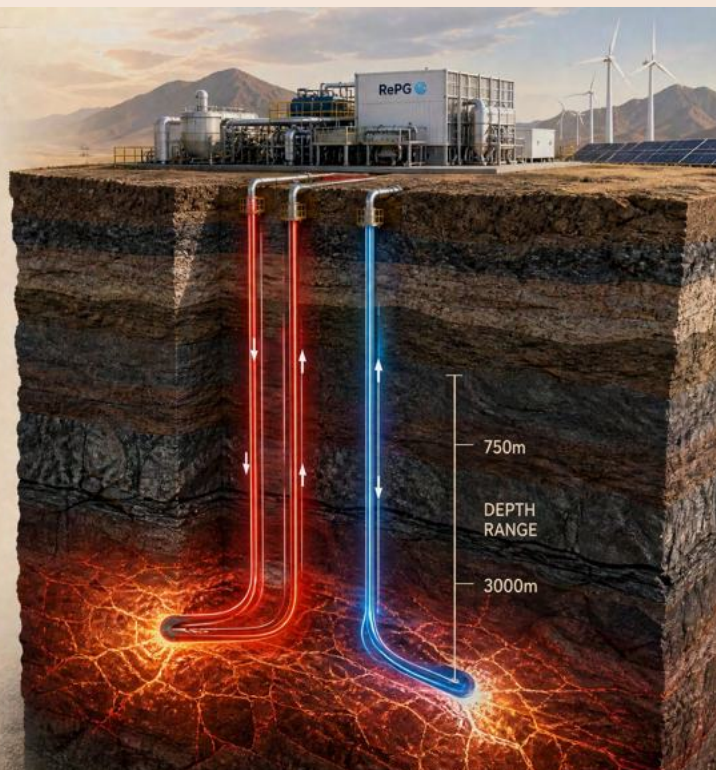
CLOSED-LOOP TECHNOLOGY:
No water consumption.



GLOBAL APPLICABILITY:
Operates at 750m to 3000m depth.



SUSTAINABLE:
Zero emissions and zero environmental impact.



Industrial Waste Heat Recovery (WHR)



Power generation from industrial exhaust (95°C - 350°C).



Integration with cooling systems, hot oil, and flash steam.



High-efficiency RePG thermodynamic cycle.



Zero emissions and sustainable industrial operation.



GLOBAL VISION



TECHNICAL EXCELLENCE



SUSTAINABLE SOLUTIONS



STRONG PARTNERSHIP

PART NINE

Energy: advanced geothermal systems.

A modular platform that produces continuous electricity from heat at fifty five degrees Celsius, from a sealed loop that needs no volcanic geology and consumes no water.

WHY THIS PART EXISTS

The second of the two things the Group builds. It closes the technology half of the volume and opens the argument that runs through the rest of it: computation is electricity.

9.1 The problem the technology solves

9.2 The cycle explained

9.3 The dual closed loop

9.4 Fifty five degrees: what the number means

9.5 Evidence from the field

9.6 The module and how it scales

9.7 Data centres: the decisive use case

9.8 From pilot to utility scale

9.9 Certification, patents and monitoring

9.1 · WHY THIS MATTERS

The problem the technology solves.

The digital economy has run into a physical constraint. Computation is electricity, and in the places where computation wants to be built there is no more electricity to connect to.

The energy vertical of the Group exists to answer a problem that has become the binding constraint of the digital decade. Computation is electricity, and in the places where computation wants to be built

there is no more electricity to connect to. What follows is the technology the Group deploys against that constraint, explained from first principles: what it is, why it works at a temperature no

competing machine can use, what it has actually produced in the field, and what it is worth to a data centre.

PART NINE

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9.8 From pilot to utility scale
9.9 Certification, patents and monitoring



The energy partnership of the Group. R. Rockefeller S.C. and RePG Energy: the platform that converts low temperature heat into

continuous electricity, with worldwide deployment rights held by the Group.

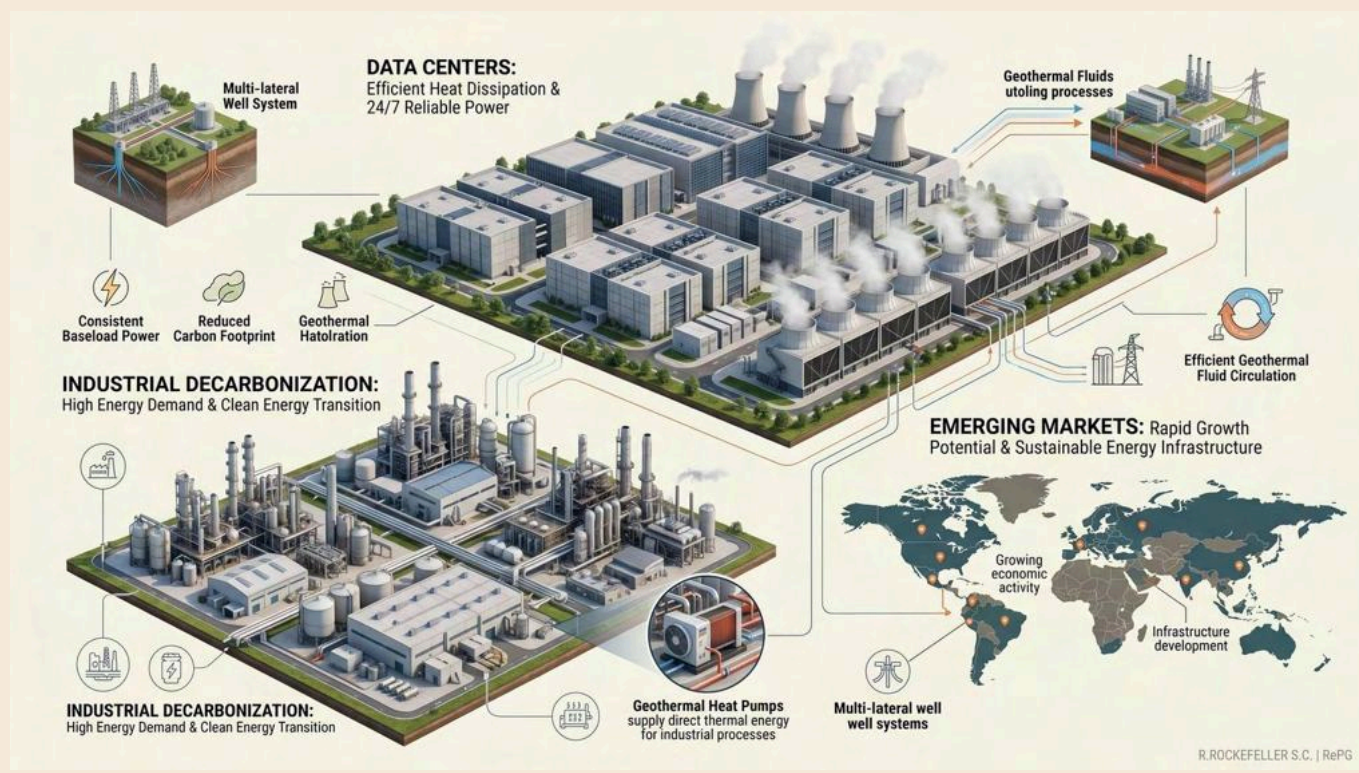
Data centres are expected to account for around ten per cent of the growth in European electricity demand to 2030, and global data centre consumption is on track to more than double over the same period, from about four hundred and eighty five terawatt hours in 2025 to about nine hundred and forty five in 2030. The constraint is not generation in the abstract: it is connection. Securing a grid connection now takes between two and ten years, and in the principal hubs of Frankfurt, London, Amsterdam, Paris and Dublin the average is seven to ten years, and up to thirteen in the most congested. Ireland has a

moratorium on new Dublin data centres until 2028; the Netherlands and Frankfurt have effectively closed new connections until at least 2030; Denmark has paused as well.

The alternatives each fail on one axis. Solar and wind are clean and cheap but intermittent, and firming them with storage multiplies both capital and land. Batteries move energy in time; they do not create it. Diesel is firm but carbon exposed and its fuel price is unpredictable. Small modular reactors are capital heavy and years away from routine deployment. Conventional geothermal is clean and constant,

except that it demands volcanic geology and wells three kilometres deep, which restricts it to a handful of places on earth.

The platform described in this part removes the last constraint. A sealed loop draws heat from warm rock by conduction, so the plant no longer needs a volcanic reservoir, no longer consumes water and no longer carries dry well risk. The machine generates from fifty five degrees Celsius, a temperature reachable at around seven hundred and fifty metres almost anywhere on earth, instead of the one hundred and fifty degrees conventional geothermal requires.



Where the technology is applied. Data centres, industrial decarbonisation and emerging markets: the three application families of the advanced geothermal platform.

9.2 · HOW IT WORKS

The cycle explained.

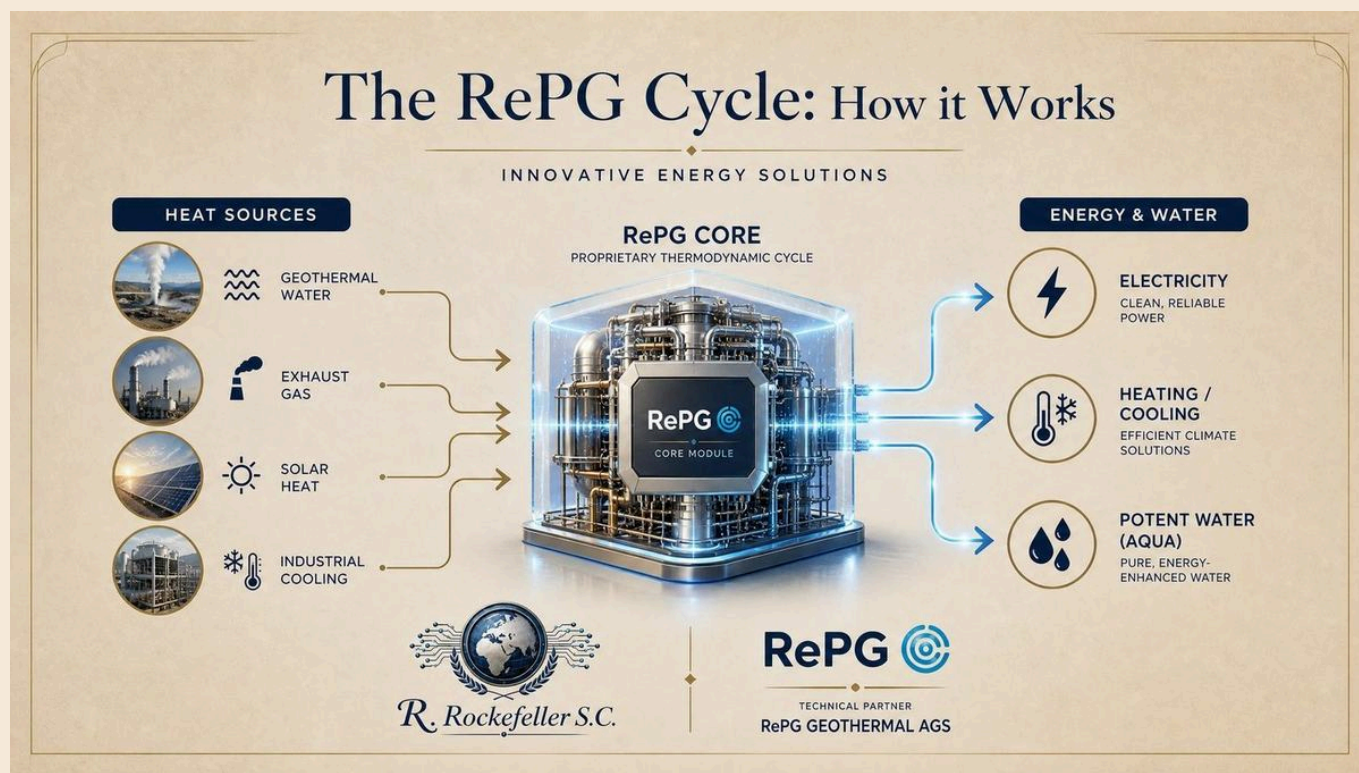
The physics is a century old and is used in most power stations in the world. What changes here is the fluid, and therefore the temperature at which the whole thing becomes possible.

In a conventional power station a fluid is heated until it becomes vapour, the pressurised vapour spins a turbine coupled to a generator, the vapour is then cooled back to liquid and the cycle repeats. In almost every power station that fluid is water, and water boils at one hundred degrees Celsius, which is why conventional plants need a very hot source.

An organic cycle replaces water with an organic fluid of high molecular mass, selected to

evaporate at a much lower temperature. The idea is about half a century old and is used above all in geothermal power and in industrial waste heat recovery. Conventional suppliers of this technology operate from about seventy five to one hundred and fifty degrees, and below seventy degrees the manufacturers themselves state that the cycle loses economic validity, because the pumps and the fans consume the entire output.

Three properties of the working fluid make the difference: it boils far below one hundred degrees, so even a source at fifty five to seventy degrees produces full evaporation; its saturation curve slopes in the right direction, so the vapour expands dry and does not erode the expander with droplets; and its high molecular mass shrinks the energy drop across the machine, which allows a compact single stage expander instead of a multi stage steam train.



The cycle, station by station. Heat sources on one side, the five components of the sealed cycle in the middle, and the outputs on the

other: electricity, and warm water as a by product of condensation.

9.3 · ARCHITECTURE

The dual closed loop.

Two sealed circuits, one for the heat and one for the power. Nothing is taken out of the ground and nothing is put into it.

Conventional geothermal power extracts hot water or steam from a natural underground reservoir, runs it through a turbine and either reinjects it or discharges it. That method is confined to volcanic geographies, consumes water, deposits minerals, carries a risk of induced seismicity and depends on finding a reservoir at all, which is why exploratory drilling has a low success rate and why the addressable perimeter of the technology is largely exhausted.

An advanced geothermal system replaces the natural reservoir with an engineered one. A wellbore is drilled and instrumented with a

sealed loop. A fluid circulates inside that loop and extracts heat from the surrounding warm rock by direct thermal conduction. Because the loop is closed there is no produced water, no chemical contact with the formation, no seismic risk from fluid injection and no mineral scaling. Because the heat source is warm rock, which exists everywhere at sufficient depth, the technology is geographically agnostic.

On the surface, the second loop is the power cycle described in the previous section, itself sealed. The two loops meet only through a heat exchanger. This is the reason the

plant can be installed next to an industrial building or a data centre campus without an environmental footprint that requires a separate debate.

What the machine is not claimed to do.

The platform is not claimed to be more efficient than a large utility scale machine working from a very hot source. It is claimed to be a net electrical generator in a band, from about fifty five to eighty degrees at micro and small scale, in which conventional machines cannot economically operate at all. The distinction is the whole commercial argument, and the Group states it in exactly these terms in every technical document it issues.

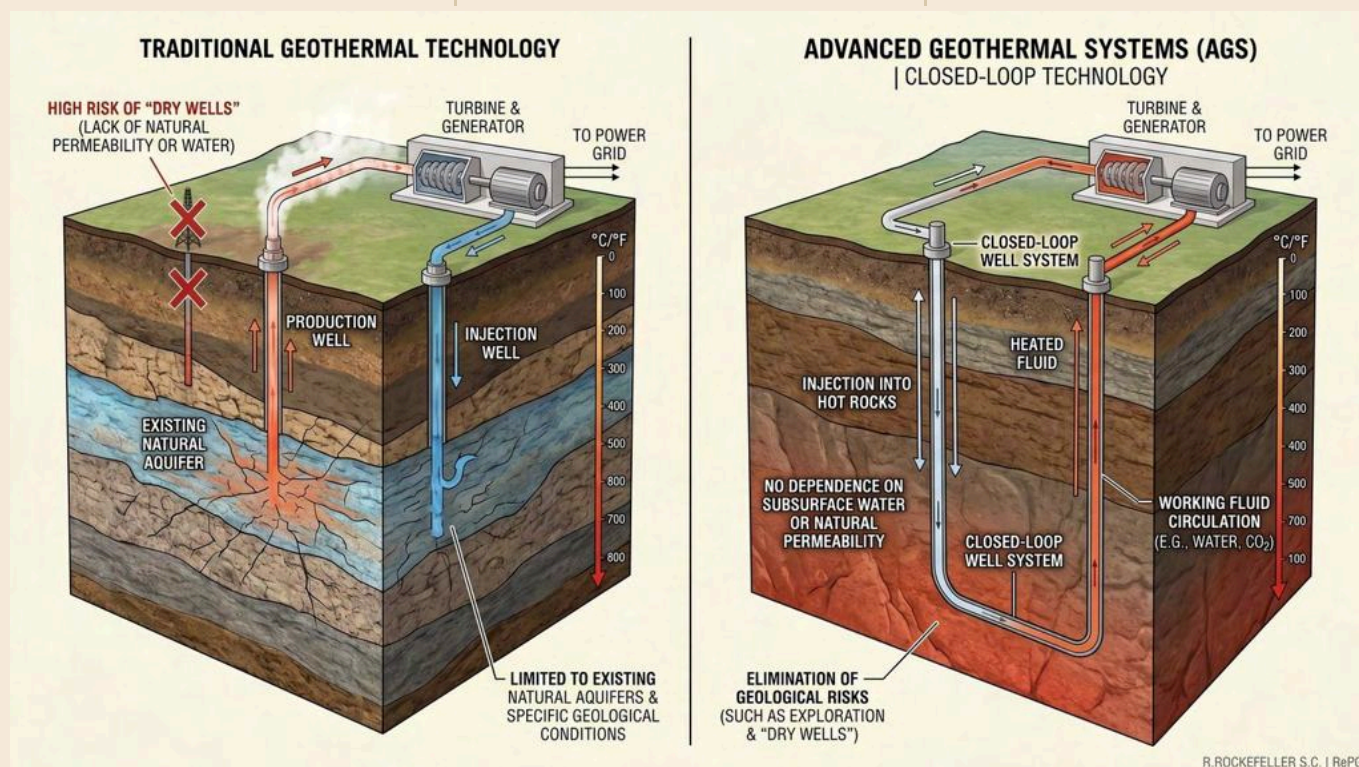
COMPONENT	WHAT IT DOES
Pump	Raises the pressure of the working fluid
Evaporator	Transfers the heat of the source, flue gas, geothermal water, solar or engine circuits, into the fluid
Recuperator	Recovers the heat still present in the vapour leaving the turbine

COMPONENT	WHAT IT DOES
Condenser	Returns the fluid to liquid, and yields warm water as a usable by product
Turbine	Drives a directly coupled asynchronous generator

The value of a closed loop is easiest to see against the technology it replaces, and the two are worth separating carefully because they are routinely confused in policy documents. Traditional geothermal is an extraction technology: it needs volcanic or tectonically active geology, it draws hot fluid

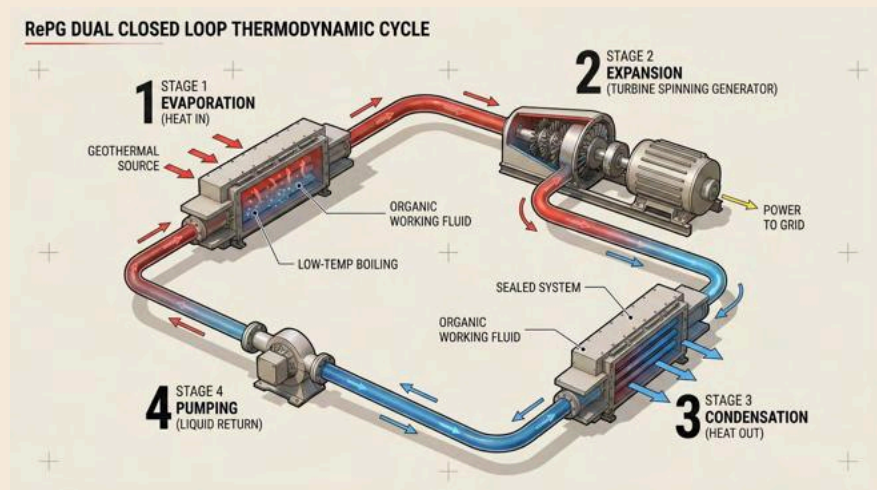
from a natural aquifer, it returns what it draws in a state the aquifer has to absorb, and it is therefore available in a small number of places on earth and contested in several of them. An advanced closed loop system needs none of that. It circulates its own working fluid inside a sealed circuit, takes

heat by conduction through the casing, extracts nothing from the subsurface and consumes no water, which is why it can be sited where the demand is rather than where the geology is. The comparison below sets the two architectures side by side on the points that decide a permit.

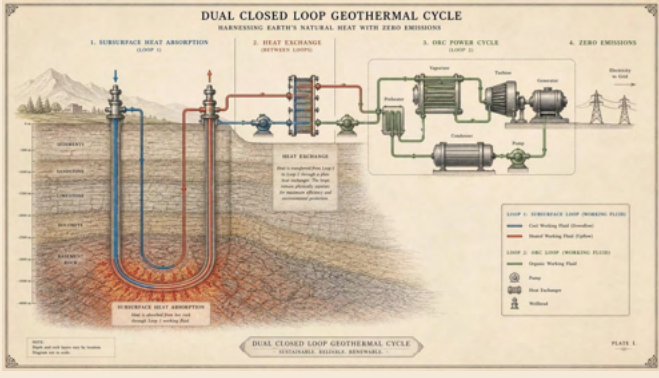


Traditional geothermal against the advanced system. The two architectures in section: a natural reservoir that must be found, against an

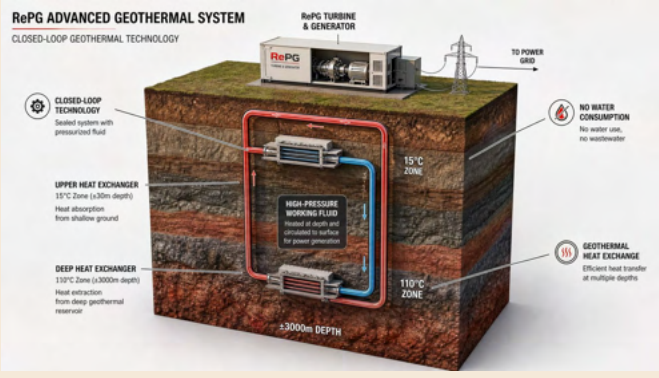
engineered loop that can be placed. The difference is not efficiency, it is where the technology can be built at all.



The dual closed loop. The four stages of the cycle: heat collection in the sealed underground loop, evaporation, expansion through the turbine and condensation, with zero emissions and zero water consumption.



The cycle in section. The dual closed loop drawn as an engineering plate: the underground collection loop, the surface power block and the flow of heat between them.



The sealed system. The closed loop architecture of the advanced geothermal system: injection, horizontal connection in the warm rock, and production back to the surface.

9.4 · THE THRESHOLD

Fifty five degrees: what the number means.

One number defines the platform. Everything commercial about it follows from the fact that the machine starts producing net electricity at fifty five degrees Celsius, about twenty five degrees below the threshold of the industry.

A geothermal machine has to spend energy in order to make energy: the pumps that circulate the fluid and the fans that cool the condenser consume electricity. Gross output is what the generator produces; net output is what remains after those internal consumptions. Below a certain source temperature the internal consumption eats the entire gross output and the machine, however well built, produces nothing useful. For conventional machines that point

sits between seventy and eighty degrees. For this platform it sits at fifty five.

The consequence is geological and therefore geographical. Temperature in the earth rises with depth at a rate that varies from place to place but is remarkably widespread: fifty five degrees is reachable at around seven hundred and fifty metres in most of the world, while one hundred and fifty degrees generally requires three thousand metres or more, and only in particular geologies. Drilling cost rises steeply and non linearly with

depth. Lowering the temperature threshold therefore does two things at once: it makes the well shallower and much cheaper, and it makes the number of places on earth where a plant can be built vastly larger.

The platform estimates that this unlocks in the order of one hundred gigawatts of geothermal capacity that exists globally but is stranded, because it sits at temperatures conventional machines cannot economically convert. That is the strategic content of a single number.

SUPPLIER CATEGORY	MINIMUM TEMPERATURE	MINIMUM UNIT	DEPLOYMENT TIME
This platform	55 degrees Celsius	0.5 kilowatt electric	8 to 14 weeks
Large utility geothermal	150 degrees and above	200 kilowatts and above	Multiple years
Large industrial waste heat	80 degrees and above	200 kilowatts and above	18 to 36 months
Small industrial and geothermal	77 degrees and above	65 to 110 kilowatts	Months
Engine waste heat	70 degrees and above	10 to 50 kilowatts	Months
Marine and industrial	70 degrees and above	150 kilowatts	Months
Small industrial European	80 degrees and above	10 to 100 kilowatts	Months

The competitive field below eighty degrees. In the band between fifty five and eighty degrees at micro scale, no competitor holds a commercial product at technology readiness level nine.

RePG
ENERGY

Clean Power from 55°C

MODULAR · EFFICIENT · RELIABLE

1 HEAT EXCHANGER
Recovers thermal energy from low-grade heat sources.

2 WORKING FLUID SYSTEM
Environmentally friendly organic working fluid.

3 ORC EXPANDER
High-efficiency turbine converts thermal energy into mechanical power.

4 GENERATOR
High-efficiency generator delivers clean electricity.

5 CONTROL SYSTEM
Advanced controls for seamless operation, monitoring, and remote connectivity.

SPECIFICATIONS

ELECTRICAL OUTPUT
Up to 1,000 kW_e

THERMAL INPUT
150 – 3,000 kW_{th}
(55°C – 120°C)

ELECTRICAL EFFICIENCY
Up to 20%

WORKING FLUID
R245fa (Standard)
Other options available

DIMENSIONS (TYP.)
6058 mm (L) x 2438 mm (W)
x 2896 mm (H)

WEIGHT (TYP.)
12,000 kg

NOISE LEVEL
< 75 dB(A) @ 1 m

INTERFACE
Modbus / OPC UA
Remote Monitoring

Scalable configurations available to meet project requirements.

IDEAL FOR APPLICATIONS

INDUSTRIAL PROCESS HEAT

DISTRICT HEATING

BIOMASS & BIOGAS

GEOTHERMAL

SOLAR THERMAL

ENGINE & TURBINE WASTE HEAT

LOW EMISSIONS

SUSTAINABLE

COST-EFFECTIVE

Clean power from fifty five degrees. The technical plate of the power module: the temperature window, the components of the sealed cycle and the operating envelope of the machine.

9.5 · MEASURED, NOT MODELLED

Evidence from the field.

Two units in continuous industrial operation, streaming telemetry to a supervisory system every minute. This is where the numbers in this part come from.

	INDUSTRIAL WASTE HEAT SITE	GEOTHERMAL REINJECTION SITE
Application	Recovery of heat from flue gas at a chemical and consumer goods manufacturer	Recovery from geothermal reinjection water at a district heating operator
Heat source	70 to 110 degrees, field average 70 to 85	45 to 75 degrees
Installed capacity	75 kilowatts electric	15 kilowatts electric
Net output	About 50.5 kilowatts	About 11.7 kilowatts
Daily production	1,100 to 1,250 kilowatt hours	About 281 kilowatt hours
Continuous operation	Since December 2024	Verified campaign of more than 70 days
Monitoring	Cloud supervisory system, telemetry every minute	Cloud supervisory system, dashboard publicly accessible

The operating fleet. Figures as recorded by the instrumentation of the units.

INSTALLED POWER AND NET POWER: WHAT THE TWO NUMBERS MEAN

This distinction matters more than any other in the document, and it is worth setting out slowly. Installed capacity, seventy five kilowatts in the case of the industrial unit, is the

size of the machine: the electrical capacity of the generator, the number that appears on the nameplate. It is what the machine can produce when the source delivers heat at the design temperature and flow.

Gross output is what the generator actually produces at a given moment, which depends on the heat that is actually arriving. On the industrial site, measured, that figure is about sixty seven and a half kilowatts. Internal self consumption, the pumps and the fans, takes about seventeen

R. ROCKEFELLER S.C.

Part Nine · Energy: advanced geothermal systems

105

kilowatts. Net instantaneous output, the electricity that actually leaves the machine and is available to the site, is therefore about fifty and a half kilowatts.

The honest reading of a geothermal machine is always the net figure, and the net figure always depends

on ambient temperature, because the condenser rejects heat to the air. The same unit produces more in winter than in summer: on the geothermal site the recorded net output moves from twelve point eight kilowatts at minus ten degrees ambient to about six

kilowatts at thirty five degrees. Any supplier who quotes a single number without stating the source temperature, the flow and the ambient condition is quoting a nameplate, not a measurement.

AMBIENT TEMPERATURE	NET OUTPUT OF THE GEOTHERMAL UNIT
minus 10 degrees	12.80 kilowatts
0 degrees	11.45 kilowatts
10 degrees	10.10 kilowatts
20 degrees	8.87 kilowatts
30 degrees	6.91 kilowatts
35 degrees	5.97 kilowatts

Net electrical output against ambient temperature, as recorded on the geothermal reinjection site. The annual average ambient temperature at that location is ten degrees.

The industrial unit has an estimated payback of two to three years at an electricity value of about ten euro cents per kilowatt hour, and it is worth being clear about why the

economics work: the heat was already being produced and was being thrown away. The fuel of a waste heat installation has already been paid for. What the machine

sells is not energy: it is the recovery of energy that had already been bought.

9.6 · THE PRODUCT

The module and how it scales.

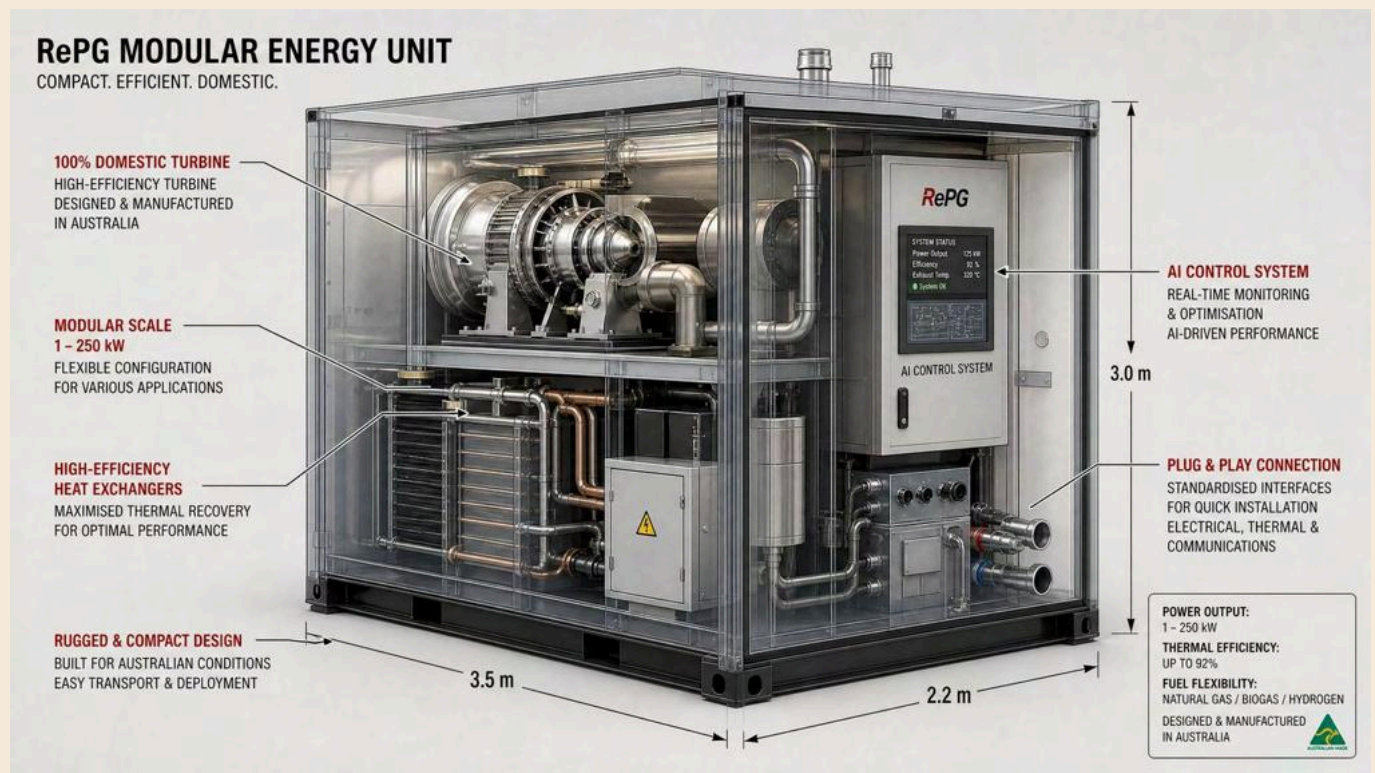
The machine is not a plant. It is a factory built, containerised product that arrives, connects to a thermal loop and starts producing.

Every unit is designed, fabricated, integrated and tested at Bursa before it leaves the building. The internal sequence is fixed: thermodynamic and mechanical design; machining, heat exchanger and skid fabrication; integration of cabinets, charging of the working fluid and instrumentation; a full load run on the test bench across

the temperature band; and containerised dispatch with field connection. The cycle from order to commercial operation is eight to fourteen weeks.

Scaling is by multiplication, not by redesign. A larger installation is a cluster of identical modules, in series or in parallel, which is why

the platform can address a project of two hundred and fifty kilowatts and a project of thirty megawatts with the same product. That is unusual: conventional suppliers have a minimum viable project of about five megawatts, and micro suppliers cannot go beyond one megawatt at all.



The modular energy unit. The containerised module with its specifications: a factory built product, bench tested at full load before

dispatch, connected on site to an existing thermal circuit.

9.7 · THE APPLICATION

Data centres: the decisive use case.

A data centre has two problems, power and heat. This is the only technology on the list that answers both with the same machine.

Server cooling loops reject heat at fifty five to seventy degrees Celsius, which is exactly the operating window of this platform and a window that no competing technology addresses commercially today. So the same machine does two things on the same site: it generates baseload power from the

ground, and it recovers the heat the facility throws away and turns it back into electricity. Modular units sit alongside the building, connect to the existing thermal loop and start producing. There is no new grid connection to wait for.

There is a third effect that the revenue tables do not even count: the recovered stream returns to the cooling plant already cooled, which trims the duty of the chillers. In a facility where cooling is a double digit percentage of total consumption, that is a saving on top of the electricity produced.

UNIQUE & PROVEN TECHNOLOGY	IDEAL FOR DATA CENTERS	RePG AGS (ORC) UNIT STARTS PRODUCING ELECTRICITY FROM 55 °C	PERFORMANCE FOR DATA CENTERS
OPERATES FROM 55 °C The only commercial ORC technology in the world that generates electricity starting from 55 °C.	RECOVERS WASTE HEAT from cooling systems (55–70 °C)	1 MW UNIT MODULAR – COMPACT – HIGH PERFORMANCE MINIMUM HEAT SOURCE TEMPERATURE 55 °C	HEAT SOURCE TEMPERATURE 55 – 70 °C
MAXIMUM EFFICIENCY Transforms low-grade heat into clean electricity with real efficiency from 55 to 70 °C.	PRODUCES CLEAN ELECTRICITY on-site, 24/7		ELECTRICAL POWER OUTPUT 1 MW per unit
CONTINUOUS 24/7 Stable, independent power production day and night, in all conditions.	REDUCES ENERGY COSTS and increases energy independence	SYSTEM EFFICIENCY (ORC) 8 – 12 %	
SAFE & RELIABLE Closed-loop system, no contact with soil or fluids, minimal maintenance.	LOWERS CO₂ EMISSIONS up to 3,000 tCO ₂ /year per MW thermal	OPERATION 24/7 – 365 days/year	
MODULAR & SCALABLE From 15 kWe to multi-MW. Containerized, plug & play solution.		ENERGY SAVINGS 1.0 – 1.5 M€ / year	
		CO₂ REDUCTION ~6,000 tCO ₂ / year	

TRL 9 FOR INDUSTRIAL APPLICATIONS
Proven in real industrial operations for over 15 months.

ONE TURBINE, MANY SOURCES
Waste heat, geothermal, solar, compressor heat, reinjection.

FAST INSTALLATION
Containerized solution, ready in 60–90 days.

MAXIMUM RELIABILITY
Proprietary technology, patented and exclusive.

GLOBAL EXCLUSIVE RIGHTS
Worldwide commercial rights owned by RRES.

Geothermal for the artificial intelligence era.

Continuous power drawn from the ground beneath the building, and the heat the building

rejects turned back into electricity: the two directions of the same platform.

CRITERION	CONVENTIONAL MACHINES	CLOSED LOOP INNOVATORS	MICRO MACHINES	THIS PLATFORM
Minimum viable project	About 5 megawatts	Utility scale	Tens of kilowatts	250 kilowatts
Maximum reach	100 megawatts and above	100 megawatts and above	Below 1 megawatt	30 megawatts and above, modular
Source temperature	150 degrees typical	Deep and high enthalpy	Waste heat	From 55 degrees
Drilling depth	3,000 metres and more	4,000 to 5,000 metres	None	750 to 3,000 metres
Water consumption	Yes	Closed loop	None	None, closed loop
Sold as	A project	A project	A component	A finished product
Time to power	Years	Years	Months	Weeks
Fits a data centre or an industrial site	No	No	Partly	Yes

Comparison built on public references and product documentation, August 2026. Categories, not individual quotations.

WHAT THE HEAT OF A DATA CENTRE IS ACTUALLY WORTH

The calculation below is deliberately conservative and every assumption in it is stated. About ninety five per cent of the electricity drawn by servers

becomes heat. Roughly sixty per cent of that heat is capturable in the liquid cooling loop, because air side rejection is too diffuse to harvest. Net conversion of the machine at these temperatures is five to seven per cent, anchored to the measured figure of seven point two per cent from the geothermal

site. Capacity factor is taken at eighty per cent and the value of the electricity at twelve United States cents per kilowatt hour. Only the information technology load is counted, never the facility total, so that the cooling overhead is not booked twice.

SCALE OF THE DATA CENTRE	HEAT AVAILABLE AT 55 TO 70 DEGREES	NET ELECTRICAL OUTPUT	ANNUAL VALUE
Edge, 5 megawatts	About 2.9 megawatts thermal	About 150 to 200 kilowatts, 2 to 3 units	About 0.13 to 0.17 million dollars

SCALE OF THE DATA CENTRE	HEAT AVAILABLE AT 55 TO 70 DEGREES	NET ELECTRICAL OUTPUT	ANNUAL VALUE
Mid size, 30 megawatts	About 17 megawatts thermal	About 0.9 to 1.2 megawatts, 12 to 16 units	About 0.76 to 1.0 million dollars
Hyperscale, 100 megawatts	About 57 megawatts thermal	About 3.0 to 4.0 megawatts, 40 to 53 units	About 2.5 to 3.4 million dollars
Mega campus, 1 gigawatt	About 570 megawatts thermal	About 30 to 40 megawatts, 400 to 530 units	About 25 to 34 million dollars

Value recovered from cooling heat alone. The platform additionally supplies primary baseload from the ground to the same sites, which this table does not count.

THE THIRTY MEGAWATT EXAMPLE, LINE BY LINE

STEP	CALCULATION	RESULT
1. Heat rejected	0.95 multiplied by an information technology load of 30 megawatts	28.5 megawatts thermal
2. Capturable in the liquid loop	0.60 of the heat rejected	17.1 megawatts thermal
3. Net electrical output	Efficiency of 5 to 7 per cent applied to the capturable heat	About 0.9 to 1.2 megawatts electric
4. Number of units	Output divided by the capacity of the industrial module	12 to 16 units
5. Annual energy	Output multiplied by 8,760 hours and by a capacity factor of 0.80	6.3 to 8.4 gigawatt hours
6. Annual value	Energy multiplied by 0.12 dollars per kilowatt hour	About 0.76 to 1.0 million dollars

The chain declared in full, so that any assumption in it can be challenged individually.

Why RePG Wins: The Data Center Energy Comparison

NO OTHER TECHNOLOGY DELIVERS WHAT GEOTHERMAL CAN

	 AVAILABILITY (24/7)	 CARBON FOOTPRINT	 COOLING CAPABILITY	 LAND FOOTPRINT	 SCALABILITY	 COST PREDICTABILITY
 DIESEL GENERATORS	Available 24/7 ✓	HIGH carbon ✗	NO cooling ✗	MEDIUM footprint	LIMITED scale ✗	VOLATILE fuel cost ✗
 SOLAR PV	NOT 24/7 (night/clouds) ✗	ZERO carbon ✓	NO cooling ✗	LARGE land footprint ✗	GOOD scale ✓	MEDIUM predictability
 WIND POWER	NOT 24/7 (calm days) ✗	ZERO carbon ✓	NO cooling ✗	VERY LARGE footprint ✗	GOOD scale ✓	MEDIUM predictability
 NUCLEAR SMR	Available 24/7 ✓	LOW carbon ✓	NO direct cooling ✗	MEDIUM footprint	LIMITED scale ✗	HIGH upfront cost ✗
 TRADITIONAL GEOTHERMAL	Available 24/7 ✓	ZERO carbon ✓	PARTIAL cooling	MEDIUM footprint	LIMITED (needs volcanic zone) ✗	EXCELLENT predictability ✓
 REPG GEOTHERMAL (OUR TECHNOLOGY)	Available 24/7 ✓	ZERO carbon ✓	FULL DIRECT COOLING ✓	MINIMAL footprint ✓	UNLIMITED scale ✓	EXCELLENT cost predictability ✓

The comparison, in one table. Six technologies against six criteria: availability around the clock, carbon footprint, cooling capability, land footprint, scalability and cost predictability.

Diesel is firm but carbon heavy; solar and wind are clean but intermittent; small modular reactors are firm but capital heavy with no direct cooling role; traditional geothermal is excellent

where volcanic geology allows it, which is precisely its limit. Only the closed loop platform of the Group answers all six.

9.8 · THE ROADMAP

From pilot to utility scale.

The surface machine is at technology readiness level nine and in industrial service. The integrated advanced geothermal system is at level seven, and the pilot is the bridge between the two.

Technology readiness level is the scale institutions use to decide whether a technology can be funded, procured and insured. Level nine means proven through successful long duration operation at commercial scale, and it is the threshold for multilateral funding and sovereign procurement. The surface power block of this platform is at level nine: it is

running, in industry, and it is certified. The integrated advanced geothermal system, meaning the same machine coupled to a sealed underground loop, is at level seven, which means demonstrated in a relevant environment. The pilot programme exists to close that gap.

The first advanced geothermal pilot of the Group is being engineered for deployment in Italy, and the engineering, manufacture and testing of the modules is carried by the Bursa centre. Field pilot projects are in programming with government counterparties, and initiatives are under way with counterparties in Tunisia, Egypt and Nigeria.

Strategic Leap: Pilot to Utility Scale



R. ROCKEFELLER S.C. | RePG

The strategic leap. From the pilot to utility operation: reservoir testing, appraisal and delineation, early development, full field

development and utility scale operation, with the enabling disciplines that run across all five stages.

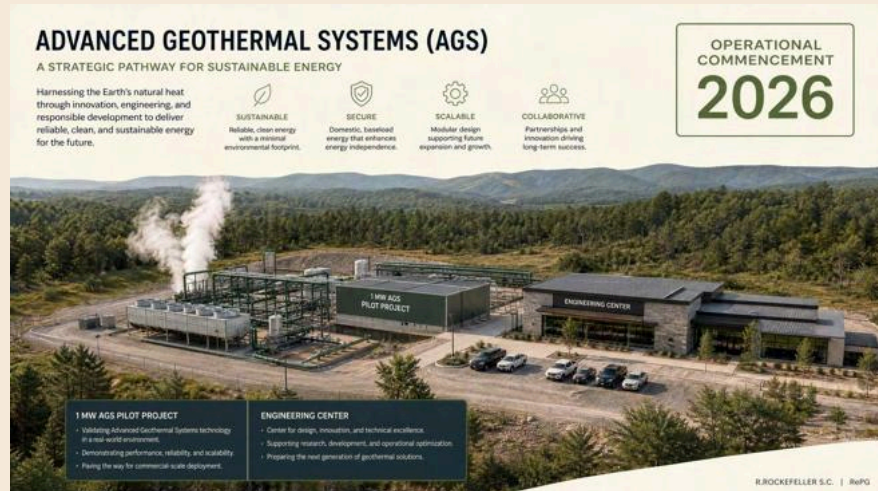
STAGE	TIMING	WHAT IT DOES
The pilot, 1 megawatt	2026	Verifies reservoir productivity, the drilling method and the power system, and closes the gap between demonstration and commercial readiness
Appraisal, 5 to 20 megawatts	From 2027	Additional wells, resource model and economic update. The first commercial project is born as a cluster of modules identical to those already in industrial service
Development, 20 to 100 megawatts and beyond	Not dated	Well field expansion, optimisation of spacing and integration of power export. The elementary unit remains the containerised factory module
Utility scale operation	Beyond 500 megawatts	The same architecture, multiplied

Every entry beyond the current year is a target, and is marked as such wherever it appears in the documents of the Group.

The economics of scale follow the modular logic. At field scale the elementary unit is the containerised module at an indicative two point eight to three

point five million dollars per megawatt electric, and three to four months from site works to power. Each stage is financed by the one before it: a pilot de risks

the subsurface, appraisal defines the resource, and the field then grows from five to twenty megawatts, to one hundred, to utility scale.

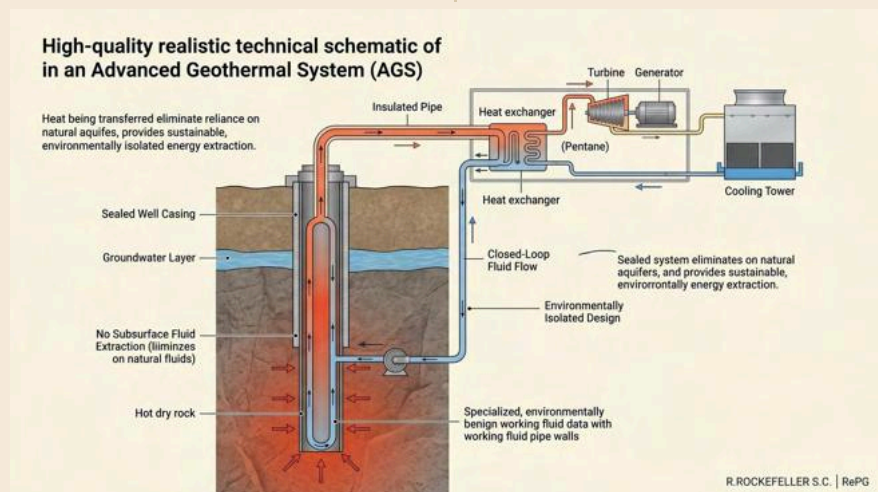


The pilot, and the centre behind it. The one megawatt advanced geothermal pilot and the engineering centre alongside it: the site on which the integrated system is validated in a real environment, with operational commencement set for 2026.

What that pilot exists to validate is the schematic below, and it is worth reading it as an engineer would rather than as an illustration. Heat is taken from hot dry rock through a sealed well casing; the working fluid circulates in a closed circuit that never touches the groundwater layer; a first heat

exchanger transfers energy to the surface cycle, a second returns the fluid to the well already cooled; the turbine and generator sit above ground in an ordinary industrial envelope, with a conventional cooling tower behind them. At no point in the cycle is anything extracted from the subsurface,

which is the property that makes the permitting profile of this machine different from that of every extraction based geothermal plant, and the property the pilot programme has to demonstrate at scale rather than assert.



The technical schematic. The sealed well, the working fluid circuit and the surface generation unit drawn as a single engineering diagram.

9.9 · PROOF

Certification, patents and monitoring.

A certified product, a portfolio of patents, and every unit in the field streaming its own telemetry every minute.

The certification chain of the machine is set out in Part Eight with certificate numbers and dates. Its practical meaning is simple. A CE attestation and its supporting test reports allow the machine to

be sold, installed and insured in a regulated market. Quality and environmental management certification allows the manufacturer to qualify in institutional procurement. Without

those two things a geothermal machine is a prototype, whatever its performance.

Every unit in the field streams live telemetry to a cloud supervisory layer at one minute intervals, and

the dashboard of the geothermal site is publicly accessible without authentication. That is a deliberate choice: the Group prefers a

counterparty to check the machine rather than the brochure. The same telemetry drives predictive maintenance and anomaly

detection, which is the point at which the artificial intelligence vertical and the energy vertical meet inside the same product.

R. Rockefeller S.C.

RePG TECHNICAL PARTNER
RePG GEOTHERMAL AGS

R&D and Intellectual Property Rights (IPR)

INNOVATIVE ENERGY SOLUTIONS

36 REGISTERED PATENTS
10 ONGOING APPLICATIONS

22 TRADEMARK REGISTRATIONS
5 DESIGN REGISTRATIONS

CERTIFICATIONS

CE, ISO 9001, ISO 22716 (GMP), ISO 14001, ISO 45001, ISO 31000

Research, development and intellectual property. The portfolio behind the platform: registered patents, applications, trademarks,

industrial designs and the certifications that allow the machine to be placed on a regulated market.

AI Monitoring & Remote Control

SMART. CONNECTED. OPTIMIZED.

- Real-time 4G/5G** connectivity for global access.
- Predictive diagnostics** and autonomous system optimization.
- Intuitive dashboard** for energy, temperature, and flow tracking.

R. Rockefeller S.C.

RePG TECHNICAL PARTNER
RePG GEOTHERMAL AGS

AI ENERGY MANAGEMENT SYSTEM

SYSTEM OVERVIEW: GLOBAL ACCESS ONLINE, CONNECTION 4G/5G STRONG

MODULE STATUS: ALL SYSTEMS OPERATIONAL

PERFORMANCE OVERVIEW: ENERGY OUTPUT 2.45 MW +8.6%, TEMPERATURE 68.7°C +2.3%, FLOW RATE 132.8 m³/h +5.1%

PREDICTIVE DIAGNOSTICS: 98% SYSTEM HEALTH EXCELLENT, No anomalies detected, Next maintenance in 45 days

ENERGY TREND (24h): 2.45 MW +8.6%

ALERTS & NOTIFICATIONS: All systems normal, Data transmission stable, No maintenance required

Monitoring and remote control. The supervisory interface of the platform: live thermal and electrical parameters, anomaly detection and

remote operation of the units in the field.

PART TEN

The global network.

Twenty five active centres in eighteen countries, inside a declared network that reaches twenty two jurisdictions, with the registry city by city and every branch explained one by one.

WHY THIS PART EXISTS

The pivot of the volume. Everything before this part is what the Group builds; everything after it is where the Group is and through whom. The registry is given city by city so the figures of Part One can be checked.

- 10.1 Twenty five centres, eighteen countries

10.2 The registry of the network
- 10.3 The branch network, country by country

10.1 · THE FOOTPRINT

Twenty five centres, eighteen countries.

The network is not uniform, and this volume does not present it as though it were. Four kinds of presence coexist inside the same figure.

KIND OF PRESENCE	WHAT IT IS	HOW MANY
Engineering and technological research centre	An operating engineering facility with its own floor, payroll, instruments, certificates and named leadership	4
Artificial intelligence and cyber engineering research centre	An engineering centre for sovereign software, cyber security and digital systems	2, one operating and one in constitution
Corporate and institutional seat	The legal domicile, the operational office and the European seat	3, in Delaware, Wyoming and Milan
Branch and institutional representation	A registered branch or an institutional representation with named leadership, through which the Group engages ministries, sovereign funds and industry	The remainder of the twenty five

The distinction matters because the four kinds carry different obligations. A centre that certifies a machine must hold certificates. A branch that engages a ministry

must hold standing. An institutional representation that carries a royal mandate does not need a factory, and a factory does not need a royal mandate. The Group has been

careful, in this volume, never to let one kind borrow the credibility of another.



The global network of the Group. The twenty five active centres plotted on their real coordinates, from Dover in Delaware to Singapore: the corporate and institutional seats, the four engineering and technological research centres, the two artificial intelligence and cyber engineering research centres, and the branch network through which the Group engages ministries, sovereign funds and industrial groups. Five continents, eighteen sovereign jurisdictions.

The Group prefers a counterparty to check the machine rather than the brochure. The field dashboards are public, the certificates carry numbers and dates, and every performance figure in this volume is quoted with the conditions under which it was measured.

10.2 · CITY BY CITY

The registry of the network.

The complete list of the twenty five active centres, by country and by city, with what sits in each of them.

COUNTRY	CITY	WHAT IS THERE
United States of America	Dover, Delaware	Registered seat of the company, legal domicile of the platform
United States of America	Sheridan, Wyoming	Operational corporate office
Italy	Milan	European headquarters and institutional seat, Via Monte Napoleone 21
Italy	Montegranaro, Fermo	Engineering and technological research centre, 1,400 square metres
Italy	Brindisi	Engineering centre and technology research laboratory
Bulgaria	Sofia	Artificial intelligence and cyber hub, and the scientific cooperation with the centre of competence of the Academy of Sciences
Turkiye	Istanbul	Institutional seat of the branch, fifty first floor of Metropol Tower
Turkiye	Bursa	Engineering and technological research centre, 4,000 square metres
United Arab Emirates	Abu Dhabi	Institutional seat of the Emirati branch, Al Bateen
United Arab Emirates	Dubai	Artificial intelligence centre and institutional representation
Kingdom of Saudi Arabia	Riyadh	Strategic representation under the Royal Partnership
State of Qatar	Doha	Representation team for Middle East operations
Tunisia	Tunis	Headquarters of the North African perimeter
Libya	Tripoli	Branch established with the Government and the Ministry of Industry and Mineral Resources
Egypt	New Cairo	Engineering and sustainability centre, coordination centre for Africa

COUNTRY	CITY	WHAT IS THERE
Egypt	Cairo	Branch for the Middle East and North Africa perimeter
Cote d'Ivoire	Abidjan	Francophone gateway to West Africa
Nigeria	Port Harcourt	Strategic centre for West Africa
South Africa	Johannesburg	Continental headquarters for Africa
Nepal	Lalitpur	Artificial intelligence and cyber engineering research centre
India	Mumbai	Headquarters of the Indian branch, sustainability and carbon vertical
India	New Delhi	Institutional office
China	Shanghai	Operational base of the Chinese perimeter, sustainability and carbon only
Singapore	Singapore	Gateway to the association of South East Asian nations and financial coordination centre for Asia
Principality of Monaco	Monte Carlo	Institutional relations and the European cultural and diplomatic perimeter

The twenty five active centres of the Group, August 2026.

Beyond the twenty five. The declared network of the Group reaches twenty two jurisdictions, four more than the eighteen in which the counted centres sit: the African branches of Ghana, Kenya, the Republic of the Congo and the Democratic Republic of the Congo, together with the public relations perimeter for Senegal and Tanzania. They are set out one by one, with the reason the Group is in each of them, in the section that follows.

Three of the twenty five deserve a note, because they are frequently misread. The Chinese perimeter is dedicated exclusively to sustainability, clean energy and carbon credit: the artificial intelligence and cyber perimeter of the Group, including the AURYNTHEON programme, is developed and operated entirely outside China, and the Group states this separation in every document

it issues. The Emirati presence consists of an institutional architecture that is constituted and active and a production centre that is in constitution. And the Qatari presence is a representation team with a royal partner, with the physical branch in preparation in Doha.

10.3 · THE COMPLETE NETWORK

The branch network, country by country.

Twenty two jurisdictions carry a presence of the Group, from the legal domicile in Delaware to the financial gateway of Singapore. This section lists every one of them and states, for each, why the Group is there.

A branch network is not a map exercise. Every jurisdiction in the list below was opened for a reason that can be named in one sentence, and the reasons fall into five families. Some countries are opened because they are where the Group is legally and institutionally governed, as the United States and Italy. Some because they hold the technology, as Turkiye and Nepal. Some because they hold the institutional access that opens the region, as the three Gulf jurisdictions. Some because they are the industrial and energy markets in which the technology of

the Group is deployed, as North Africa, West Africa and Southern Africa. And some because they are gateways: places whose value is that they connect two perimeters that do not otherwise meet, as Singapore between Asia and the Gulf, Abidjan between the francophone and anglophone economies of West Africa, and Monaco between European finance and the sovereign families of the Mediterranean.

The registry that follows is the complete declared network of the Group. It includes the four African

jurisdictions opened most recently, Ghana, Kenya, the Republic of the Congo and the Democratic Republic of the Congo, which extend the continental network beyond the six countries in which the Group has been present longest. It is set out in the order in which the Group itself reads its geography: the governance countries first, then the technology countries, then the Gulf, then Africa, then Asia.

GOVERNANCE AND INSTITUTIONAL SEATS

COUNTRY	CITY AND ADDRESS	WHY THE GROUP IS THERE
United States	Dover, Delaware, and Sheridan, Wyoming	The legal domicile of the platform and the corporate law under which every branch operates. It places the Group inside the Western regulatory perimeter, which is the precondition for the defence and dual use dialogues of the European and Atlantic programmes.
Italy	Milan, Via Monte Napoleone 21	The European headquarters and the institutional seat of the Group in the Union. Milan carries the family office coordination, the European Commission perimeter and the interface with the two Italian engineering centres of Montegranaro and Brindisi.
Bulgaria	Sofia	The scientific frontier. The branch anchors the cooperation with the centre of competence of the Academy of Sciences on quantum communication and sovereign artificial intelligence, and places the Group inside the European defence and quantum research perimeter.
Principality of Monaco	Monte Carlo	The institutional and cultural stage of Europe. Not a market: the place where royal families, family offices, sovereign wealth managers and global finance converge, and where relationships that later become mandates are opened.

THE COUNTRIES THAT HOLD THE TECHNOLOGY

COUNTRY	CITY AND ADDRESS	WHY THE GROUP IS THERE
Turkiye	Istanbul, fifty first floor of Metropol Tower, and Bursa	Istanbul carries the institutional and ministerial relationship at the crossroads of Europe and the Gulf. Bursa carries the machine: the four thousand square metre engineering centre where the geothermal platform is designed, built, certified and tested.
Nepal	Lalitpur, Lane 2, Kumaripati	The engineering core of the sovereign artificial intelligence platform: more than fifty certified engineers, ISO 9001:2015 certification and a fourteen year record with the World Bank, the agencies of the United Nations and twenty five ministries of the Government of Nepal.
Egypt	New Cairo, 1st Settlement, and Cairo	The assurance and transition hub and the coordination centre of the Group for Africa, with a first registration in the system of cooperating companies of the national organisation for military production and training capability approved by the national energy authorities. The commercial branch is in preparation with a governmental partner.

THE GULF: INSTITUTIONAL ACCESS

COUNTRY	CITY AND ADDRESS	WHY THE GROUP IS THERE
United Arab Emirates	Abu Dhabi, P.O. Box 60401, and Dubai, Jumeirah Lake Towers	The operational embassy of the Group in the Gulf. Every senior figure of the branch carries a second institutional mandate, in Emirati governance, in sovereign wealth investment, in the federal ministerial structures or in the national energy operator. It is the bridge towards the whole Middle Eastern and African perimeter.
Kingdom of Saudi Arabia	Riyadh	A strategic representation anchored to the Saudi Royal House under a Royal Partnership that names the Group as reference partner for the Middle East region, with coordination at the level of the ministries and the sovereign investment vehicles of the Kingdom.
State of Qatar	Doha	The gateway to the Gulf Cooperation Council perimeter, with access to sovereign wealth, energy markets and the sustainability agenda of the national vision, through a partner of the ruling family.

AFRICA: THE INDUSTRIAL AND ENERGY PERIMETER

COUNTRY	CITY AND ADDRESS	WHY THE GROUP IS THERE
Tunisia	Tunis, Megrine Business Center, Zone Industrielle Saint Gobain	The operational headquarters for North Africa and the gateway between Europe and Africa. Tunis coordinates the three country programme across Tunisia, Libya and Egypt and carries the presidency for the region.
Libya	Tripoli	One of the largest proven oil and gas reserves on the continent, at the centre of the Mediterranean. The branch was established in cooperation with the Government and the Ministry of Industry and Mineral Resources, on energy optimisation and industrial development.

COUNTRY	CITY AND ADDRESS	WHY THE GROUP IS THERE
Nigeria	Port Harcourt, Withgod Close, off the airport and Obiri Ikwerre expressway	The largest economy in Africa and its energy capital. The four pillar proposal of the Group, artificial intelligence, cyber security, energy and decarbonisation, has been endorsed by the state investment promotion agency.
Cote d'Ivoire	Abidjan, 04 BP 1344	The economic capital and financial hub of West Africa and the gateway of the Group to the francophone market, with direct access to global trade routes. It is from Abidjan that the wider West and Central African perimeter is coordinated.
Ghana	Accra	The anchor of the anglophone West African perimeter: a stable institutional environment, a member of the regional economic community, and an industrial and energy market that faces the same carbon border pressure as its neighbours.
Republic of the Congo	Brazzaville	Central Africa and its energy and forest carbon perimeter. The branch is directed locally and carries the ministerial counterparties of the country.
Democratic Republic of the Congo	Kinshasa	The critical minerals of the energy transition and one of the largest carbon sinks on earth. Two subjects that put the country at the centre of the industrial decarbonisation agenda of the next decade.
Kenya	Nairobi	The institutional capital of East Africa, seat of United Nations agencies and of the continental climate finance conversation, and the African country with the longest record in geothermal generation.
South Africa	Johannesburg, 83 Hume Road, Sandton	The continental headquarters of the Group for Africa: the command centre for African operations, the deployment point for artificial intelligence and cyber security capability on the continent, and the institutional interface with African governments and multilateral partners.

ASIA: PRODUCTION, CARBON AND THE FINANCIAL GATEWAY

COUNTRY	CITY AND ADDRESS	WHY THE GROUP IS THERE
India	Mumbai, Andheri West, Mourya Estate, and New Delhi	The sustainability and carbon credit mandate of the Group and the cross border corridors between the Indian, African and Chinese verticals, in the largest carbon market of the region.
Singapore	Singapore, Clarke Quay area	The institutional gateway to the association of South East Asian nations and the financial coordination centre for the Asian perimeter: cross border flows, treasury structures, sovereign wealth engagement and family office relationships.
China	Shanghai, Cao'an Highway, Jiading District; Shenzhen; Hong Kong	A perimeter dedicated exclusively to sustainability, clean energy and carbon credit. The artificial intelligence and cyber perimeter of the Group, including the sovereign architecture, is developed and operated entirely outside China, and the Group states that separation in every document it issues.

THE REGISTER OF OFFICES, ADDRESS BY ADDRESS

The table below is the register as the Group publishes it, so that every entry in this part can be checked against a physical address

rather than against a claim. Two entries are double: the United States, where the company is domiciled in Delaware and holds its legal office in Wyoming, and the United Arab Emirates, where the branch operates from Abu Dhabi

and the technical team from the Dubai artificial intelligence centre. Where a jurisdiction is listed by city alone, the office operates from the premises of the local partner or the resident director and the postal address is issued on request.

JURISDICTION	REGISTERED ADDRESS
United States, Delaware	8 The Green, Suite R, Dover, Delaware 19901
United States, Wyoming	Legal office, 1309 Coffeen Avenue, Suite 1200 C, Sheridan, Wyoming 82801
Italy	Via Monte Napoleone 21, Milan
Bulgaria	Sofia
Principality of Monaco	Monte Carlo
Turkiye	Fifty first floor, Metropol Tower, Istanbul; engineering centre, industrial area of Bursa

JURISDICTION	REGISTERED ADDRESS
Nepal	Lane 2, Kumaripati, Lalitpur
Egypt	Cairo; engineering and sustainability centre, First Settlement, New Cairo
United Arab Emirates, Abu Dhabi	P.O. Box 60401, Abu Dhabi
United Arab Emirates, Dubai	Artificial intelligence centre, JBC 01, floor 20, office 2008, Jumeirah Lake Towers, Dubai
Kingdom of Saudi Arabia	Riyadh
State of Qatar	Doha
Tunisia	Megrine Business Center, Zone Industrielle Saint Gobain, Tunis
Libya	Tripoli
Nigeria	Withgod Close, off the airport and Obiri Ikwerre expressway, Port Harcourt
Cote d'Ivoire	04 BP 1344, Abidjan 04
Ghana	Accra
Republic of the Congo	Brazzaville
Democratic Republic of the Congo	Kinshasa
Kenya	Nairobi
South Africa	83 Hume Road, Sandton, Gauteng 2196, Johannesburg
India	591 / 502 / 503 Mourya Estate, opposite Infiniti Mall, Andheri West, Mumbai 400053; New Delhi
Singapore	Singapore
China	No. 4618 Cao'an Highway, Anting Town, Jiading District, Shanghai; Shenzhen; Hong Kong

The declared register of the Group. Twenty two jurisdictions, twenty four registered addresses.



PART ELEVEN

The Middle East.



Three Gulf jurisdictions anchored, at their apex, to a senior member of a ruling family.

WHY THIS PART EXISTS

Given the most space of any geographic part, because it is where the institutional architecture of the Group is most distinctive and least replicable.

11.1 Three jurisdictions, three sovereign anchors

11.2 United Arab Emirates

11.3 The Emirati leadership architecture

11.4 Kingdom of Saudi Arabia

11.5 State of Qatar

11.6 What the Gulf architecture is worth

11.1 · THE ARCHITECTURE

Three jurisdictions, three sovereign anchors.

The structural logic is the same in each of the three: at the apex of the presence of the Group sits a senior member of the ruling family, formally appointed as Country President. Not an intermediary. An anchor.

This is the part of the volume that is hardest to replicate and easiest to misunderstand. In the Gulf, institutional access is not a commercial relationship that can be bought, and it is not a distribution

agreement. It is a position inside a structure of families, offices and sovereign vehicles that has been built over decades. The Group has been admitted into that structure in three jurisdictions, at the level of

the ruling families, and the architecture that follows from it is the reason a platform of this size sits at tables normally reserved for very large ones.

JURISDICTION	ANCHOR	POSITION
United Arab Emirates	H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed	President of RRSC UAE. Al Hamed family, ruling family of Abu Dhabi and historic institutional ally of the ruling Al Nahyan family. Grandson of the founder of the Abu Dhabi Investment Authority.
Kingdom of Saudi Arabia	H.H. Prince Abdul Majeed bin Saud bin Muhammad Al Saud	President and Chief Executive Officer of RRSC Saudi Arabia. Al Saud dynasty, the ruling House of the Kingdom. Signatory of the Royal Partnership naming the Group as reference partner for the Middle East.
State of Qatar	Sheikh Tameen Bin Mohammed Al Thani	President Partner for Qatar operations and artificial intelligence. Al Thani Royal Family, the ruling dynasty of the State of Qatar. Represents the family in all partnerships and institutional relations of the Group in Qatar.



The Gulf perimeter. The flag of the Group presented in a Gulf majlis: the institutional register in which the relationships of this part are

conducted.

11.2 · THE OPERATIONAL EMBASSY

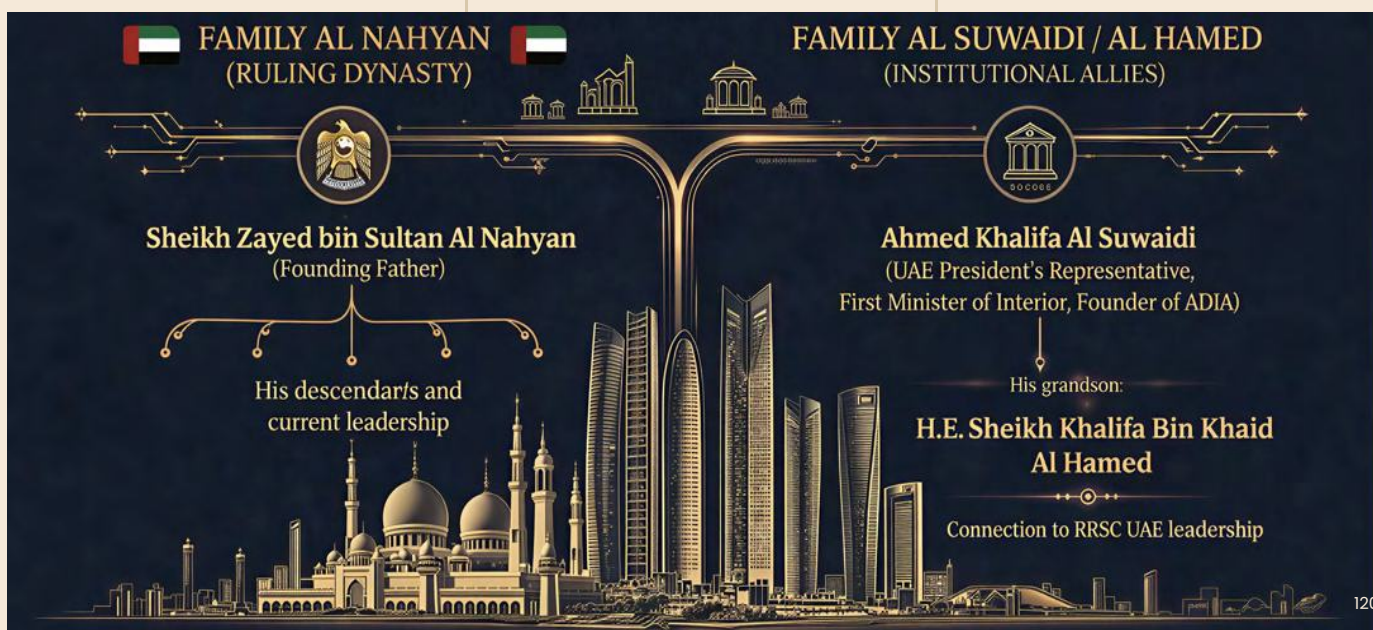
United Arab Emirates.

The Emirates are the operational anchor of the Group in the Gulf and its institutional bridge towards the Middle East and the African perimeter.

Behind that structure sits a documentary record, and the Group shows it because in the Gulf the difference between a representative arrangement and a constituted entity is the difference between an introduction and a contract. The branch is constituted

under Emirati law, its instruments are registered, the environmental protection and pollution control perimeter under which it operates is on file with the competent authorities, and the partnership with the President of the branch is recorded in the same file rather

than in a letter of intent. The plate below reproduces those documents alongside the photographic record of the meetings at which they were agreed, which is the form in which the Group presents the Emirati position to counterparties who ask what exactly exists.



UAE BRANCH — MIDDLE EAST HUB

The Rob Rockefeller S.C.

LOCATIONS



Abu Dhabi Office: Al Bateen — W27 01, Abu Dhabi, UAE



Dubai AI Center: JBC 01 Floor 20, Office 2008, Dubai

LEADERSHIP TEAM

- ❖ S.E. Sheikh Khalifa Bin Khalid Bin Ahmed Al Hamed (President)
- ❖ Dolly Tabet (Deputy CEO)
- ❖ Mohamed Al Hosani (Executive Manager)
- ❖ Ahmed Almuaini (Director Manager Operations)
- ❖ Adel Miran (General Director Public Relations)

TECHNICAL TEAM (DUBAI)

- ❖ Sukhchain Singh (Chief Technology Officer)
- ❖ Diana (Business Manager)
- ❖ Haroon Saqib (Metaverse Manager)
- ❖ Charles David (AI Manager)
- ❖ Jasna Ali (Cybersecurity Manager)
- ❖ Iqra Zainab (Web3 Manager)

RRS.C.

The Emirati branch. The two locations of the branch, Abu Dhabi for the institutional seat and Dubai for the artificial intelligence centre, with

the leadership team and the resident technical team of Dubai: chief technology officer, business management, metaverse, artificial intelligence,

cyber security and web three.

Royal and institutional partnerships at the highest level, not commercial intermediation. The formula appears in every document the Group issues about the Gulf, and it describes a structural position rather than an ambition.

Strategic Branch in the United Arab Emirates: The Rob Rockefeller S.C.



- Partnership with H.H. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed
- Valentino Loforese: Executive Vice President and Majority Shareholder, positioned alongside the Presidency and Royal Leadership
- Strategic collaboration for environmental and pollution protection services in the UAE

The legal instruments. The memorandum of association of the Emirati company, the letter of the partner company of the Al Hamed family

office, and the meeting between the Chief Executive Officer of the Group and H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al

Hamed.

THE EMIRATI BRANCH

PRESIDENT	H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed	LEGAL ENTITY	RRSC Pollution and Environment Protection Services L.L.C.
OWNERSHIP OF THE JOINT VENTURE	60 per cent the Group, 40 per cent the President of the branch, through Royal Diamond Group L.L.C.	SCOPE OF THE JOINT VENTURE	Environmental protection, pollution control and sustainability. Distinct in every respect from the artificial intelligence division
ABU DHABI OFFICE	Al Bateen, W27 01, Abu Dhabi	DUBAI CENTRE	JBC 01, floor 20, office 2008, Dubai
DEPUTY CHIEF EXECUTIVE	Ms. Dolly Tabet	MANDATE OF THE ARTIFICIAL INTELLIGENCE HUB	Institutional representation and regional delivery for the Middle East and Africa; the production centre is in constitution with a local technical partner



R. ROCKEFELLER S.C.

JOINT VENTURE IN THE UNITED ARAB EMIRATES

R. Rockefeller S.C. is in strategic partnership with
Royal Diamond Group L.L.C., led by H.H. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed.



R. ROCKEFELLER S.C.

Global leader in AI, robotics, cybersecurity, digital and sustainability solutions, delivering innovative technologies for a smarter, safer and greener future.

OWNERSHIP
60%
R. ROCKEFELLER S.C.

VALENTINO LOFORESE
Executive Vice President and CEO

- Executive Vice President of R. Rockefeller S.C.
- CEO and Majority Shareholder
- International leader in innovation, business development and strategic partnerships



STRATEGIC JOINT VENTURE

A strategic alliance established to develop and deliver innovative solutions in environmental protection, pollution control, and advanced technology services across the United Arab Emirates and beyond.

ROYAL DIAMOND GROUP L.L.C.

Represented by
H.H. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed

OWNERSHIP
40%
ROYAL DIAMOND GROUP L.L.C.

H.H. SHEIKH KHALIFA BIN KHALID BIN AHMED BIN HAMED AL HAMED
President

- Grandson of His Excellency Ahmed Khalifa Al Suwaidi, the UAE President's Representative, First Minister of Interior, and Founder of the Abu Dhabi Investment Authority (ADIA).
- A distinguished Emirati leader and entrepreneur with a legacy of vision, integrity and nation-building.
- President of Royal Diamond Group L.L.C.



H.H. SHEIKH KHALIFA BIN KHALID BIN AHMED BIN HAMED AL HAMED
PRESIDENT OF R. ROCKEFELLER S.C. – UAE BRANCH

H.H. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed oversees the UAE operations of R. Rockefeller S.C., bringing strategic guidance, deep local insight and strong institutional relationships to support the company's mission and long-term impact in the region.

LEADERSHIP ROOTED IN LEGACY
A new generation of leadership building on a heritage of service, trust and national commitment.

STRATEGIC VISION
Driving sustainable growth, technological advancement and international collaboration.

COMMITTED TO THE UAE
Dedicated to contributing to the UAE's progress and global leadership.

The joint venture. The structure agreed with the family office of the President of the branch: sixty per cent held by the Group and forty per cent

by the Emirati partner, with the perimeter and the governance of the vehicle set out in full.

The Emirati presence operates under a doctrine that is deliberately different from that of Lalitpur. Nepal produces; the Emirates channel. The hub carries the technical capabilities of the Group, the sovereign artificial intelligence architecture, the cyber alliance and the platforms delivered through the engineering core, into the highest

levels of regional governance and sovereign wealth coordination. It is an institutional embassy rather than a production facility, and the production dimension now being added to it is described in Part Six.

The strategic coverage that the hub carries is wider than the country itself. It reaches the Gulf Cooperation Council perimeter,

through the federal and sovereign wealth structures of the Emirates, the Royal Partnership in Saudi Arabia and the royal partner in Qatar; the wider Arab perimeter of Tunisia, Libya, Egypt and the Maghreb under the presidency for North Africa; and the African continental network described in Part Thirteen.

11.3 · THE AL HAMED STRUCTURE

The Emirati leadership architecture.

Every senior figure of the Emirati branch carries an additional institutional mandate outside the Group: in Emirati governance, in sovereign wealth investment, in the federal ministerial structures or in the national energy operator.

H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed

President, RRSC United Arab Emirates

Member of the Al Hamed family, ruling family of Abu Dhabi and historic institutional ally of the ruling Al Nahyan family. Grandson of H.E. Ahmed Khalifa Al Suwaidi, Representative of the President of the United Arab Emirates, first Minister of the Interior of the federation in 1971, closest institutional collaborator of the founding father of the Union and founder of the Abu Dhabi Investment Authority, the Emirati sovereign wealth fund with assets under management of approximately one trillion United States dollars.

Dr. Adel Miran

General Director of public and institutional relations for the Emirates, and Director General for institutional relations across the Middle East

Concurrently Director General at Dubai Holding, the global investment holding of the ruling family of Dubai, owned by H.H. Sheikh Mohammed bin Rashid Al Maktoum, Ruler of Dubai. Dubai Holding became the largest shareholder of Emaar Properties in May 2026. More than two decades in public and institutional relations and a recognised thought leader on artificial intelligence in the region. His dual position provides a direct and active bridge between the top of Emirati governance and the strategy of the Group for the entire Middle East perimeter.

Ms. Dolly Tabet

Deputy Chief Executive Officer, RRSC United Arab Emirates

A French executive with more than twenty seven years of continuous service to the Al Hamed ruling family. Concurrently Chief Executive Officer of Royal Diamond Group and Office Manager of Al Hamed Enterprises. She is the operational continuity at the centre of the Al Hamed institutional architecture and the senior counterpart for the daily engagement of the Group with the wider perimeter of the family.

Mr. Mohamed Al Hosani

Executive Manager of the Emirati branch and World Carbon Project Development Manager

A senior background at the headquarters of the Abu Dhabi National Oil Company, the sovereign energy operator of the Emirates, with more than twenty years of corporate strategy and group people development at federal energy level. Anchors the carbon credit project development of the branch and the bridge to the federal energy operator and the multilateral carbon markets perimeter.

Mr. Ahmed Almuaini

Director of branch operations and institutional coordination

Federal level coordinator for the Group in the Emirates, from a leading Emirati family, with a family relationship to H.E. Dr. Abdelrahman Almuaini, Assistant Undersecretary at the Ministry of Economy and Tourism of the United Arab Emirates. Doctorate from the University of Aberdeen. Oversees the operational delivery of the branch and its coordination with the federal institutional perimeter.

The architecture described above is unusual enough that it is worth seeing it drawn. In most branch structures the chart is a formality: a chief executive, a deputy, a set of managers. Here the chart carries information, because the reporting lines connect a presidency held by a member of an Emirati ruling family to the Office of the Chief Executive Officer of the Group directly, without an intermediate layer, and because each of the four executive positions beneath it is held by somebody who also holds a mandate outside the Group. The chart below is therefore not an organigram of employees. It is a map of the institutional surface the branch actually touches.

ORGANIZATION CHART



The Al Hamed institutional architecture. The four senior resident executives of the Emirati branch, each with a concurrent mandate at

the highest ranks of Emirati governance, sovereign wealth investment, federal ministerial structures and the national energy

operator.

ACTIVE INSTITUTIONAL POWER

- OVER TWO DECADES OF EXPERIENCE IN PUBLIC & INSTITUTIONAL RELATIONS**
Extensive expertise across government relations, policy engagement, and strategic partnerships.
- LEADERSHIP IN MULTI-STAKEHOLDER ENGAGEMENT**
Building enduring relationships with governments, institutions, and global business leaders.
- ADVANCING REGIONAL COLLABORATION**
Driving dialogue and cooperation across the Middle East to unlock sustainable growth and shared value.

THE ROB ROCKEFELLER S.C.



DR. ADEL MIRAN

GENERAL DIRECTOR OF PUBLIC & INSTITUTIONAL RELATIONS, UAE

GLOBAL MINDSET | STRATEGIC LEADERSHIP | INSTITUTIONAL EXCELLENCE

DISTINGUISHED AI THOUGHT LEADER

- AI RESEARCH & STRATEGY**
Leading research and strategy in artificial intelligence and emerging technologies.
- THOUGHT LEADERSHIP**
Recognized for visionary insights on AI, innovation, and the future of society.
- EDUCATING & EMPOWERING**
Advancing AI literacy and capability building across organizations and public institutions.

STRATEGIC SYNERGY

- DUBAI HOLDING**
Director of Facilities Management – Inspection, Dubai Holding.
- NAKHEEL**
Director General of Facilities Management and Administration, Nakheel.
- standard chartered**
Customer Service Supervisor, Standard Chartered Bank.

STRATEGIC LIAISON

- GOVERNMENT RELATIONS**
Trusted advisor to government entities across the UAE.
- POLICY & PARTNERSHIPS**
Shaping policy, building partnerships, and enabling institutional alignment.
- REGIONAL IMPACT**
Championing initiatives that strengthen institutions and elevate regional influence.

EMPOWER

Empowering clients and communities through knowledge and technology.

INNOVATE

Driving the future with intelligent solutions.

SECURE

Building trust through security and integrity.

TRANSFORM

Delivering impact through technology transformation.

EMPOWER

Empowering clients and communities through knowledge and technology.

R·Rockefeller·S.C.
RESEARCH AI · CYBER · MACHINE LEARNING
R·Rockefeller·S.C.

An organisation chart states offices. What it cannot state is the institutional weight standing behind the presidency, and in this branch that weight is the whole point. The President is a member of the Al Hamed family of Abu Dhabi, a

family whose senior figures hold positions in Emirati governance, in sovereign wealth investment and in the federal ministerial structures, and the effect on the Group is not honorific: it is the reason a technology proposal reaches the

level at which a decision is actually taken, in weeks rather than in the years a commercial entry normally requires. The plate below sets out that lineage as it is presented to institutional counterparties in the region.



The institutional legacy. H.E. Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed, President of the Emirati branch of the Group, with

H.H. Sheikh Mohammed Bin Zayed Al Nahyan: a legacy of leadership rooted in the history of the United Arab Emirates.

The relationship works in both directions, and the second direction is the one that matters commercially. The presidency opens the institutional door; what the Group brings through it is the technology perimeter described in Parts Four to Six, which is the

reason the door stays open after the first meeting. An institutional access without a technology behind it produces a photograph; a technology without access produces a proposal nobody reads. The plate below is how the two are presented together to Emirati

counterparties: the global artificial intelligence and strategic partnership perimeter of the Group on one side, and the royal partnership that carries it into the region on the other.



Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed with the United States Ambassador to the United Arab Emirates **Martina Anna Tkadlec Strong** (Abu Dhabi 2024)



H.H. Sheikh Hamdan & Sheikh Khalifa Bin Khalid Bin Ahmed Bin Hamed Al Hamed.

11.4 · THE ROYAL PARTNERSHIP

Kingdom of Saudi Arabia.

A strategic representation in Riyadh, anchored to the Saudi Royal House, under a Royal Partnership that formally names the Group as reference partner for the Middle East region.

THE SAUDI BRANCH			
PRESIDENT AND CHIEF EXECUTIVE OFFICER	H.H. Prince Abdul Majeed bin Saud bin Muhammad Al Saud	STATUS	Strategic representation
OPERATIONAL SEAT	Riyadh	ROYAL HOUSE	Al Saud dynasty, ruling House of the Kingdom since 1932
INSTRUMENT	Royal Partnership letter, 16 October 2023	COORDINATION	At the level of the ministries and the sovereign investment vehicles of the Kingdom
BRANCH LEADERSHIP	Sheik Khaled bin Jameel bin Hawas Abdul Aziz Al Musseifr, Director of the branch and Executive Manager for Middle East operations; Sheik Alajmi, Abdullah Mohammed, Manager and General Director of the Executive Office of the Prince		

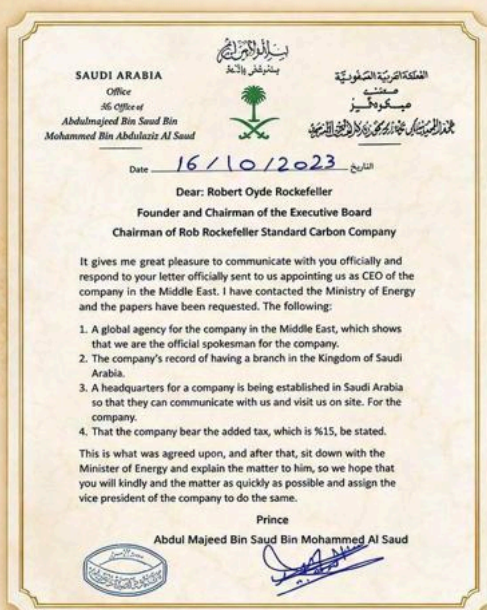
The title of Prince reflects hereditary lineage in the Al Saud dynasty and is officially recognised by the Government of the Kingdom. What the relationship provides is direct institutional access at

sovereign grade: to Saudi ministries, to the sovereign investment perimeter and to the decision making circles in which the national transformation programme is executed. The Group

is careful about how it describes the commercial consequence: the position is institutional, and the pipeline that follows from it is a pipeline of opportunities, not of contracts already signed.

STRATEGIC PRESENCE IN SAUDI ARABIA

THE ROB ROCKEFELLER S.C.



Official contract signed on 16/10/2023



Partnership with H.H. Prince Abdul Majeed bin Saud bin Muhammad Al Saud



Valentino Loforese: Executive Vice President and Majority Shareholder of The Rob Rockefeller S.C.



OFFICIAL REPRESENTATION
Authorized global agency for the Middle East region.



HEADQUARTERS IN KSA
Establishing a headquarters in Saudi Arabia for direct operations and communication.



TAX COMPLIANCE
The company will bear the added tax of 15% as per local regulations.



STRATEGIC PARTNERSHIP
In close collaboration with the Royal Family to support long-term growth and mutual success.

Strategic presence in the Kingdom. The Royal Partnership signed on 16 October 2023 with H.H. Prince Abdul Majeed bin Saud bin Muhammad

Al Saud, which appoints the Group as reference partner for the region and anchors its access to the Saudi institutional perimeter.

THE ROB ROCKEFELLER S.C.

SAUDI ARABIA BRANCH



عبد المجدد بن سعود آل سعود
PRINCE Abdul Majeed bin Saud bin Muhammad Al Saud

The RRSC Saudi Arabia President & CEO



SHEIK ALAJMI ABDULLAH MOHAMMED A

Manager of The Rob Rockefeller SC Saudi Arabia and General Director of the Executive Office of Prince Abdul Majeed



SHEIK KHALED BIN JAMEEL BIN HAWAS ABDUL AZIZ AL-MUSSALT

Manager for The Rob Rockefeller SC Saudi Arabia Branch



ANWAR M AIDECKMARY

Manager for The Rob Rockefeller SC Saudi Arabia Branch

The Rob Rockefeller S.C.

The Saudi branch. The President and Chief Executive Officer of the branch with the two managers who carry the institutional and

commercial coordination of the Group in the Kingdom.

NATIONAL PROGRAMME	SCALE	WHERE THE GROUP FITS
Sovereign artificial intelligence and smart city management	National transformation programme	Sovereign artificial intelligence architecture and 4096 bit cyber security
Flagship tourism and development projects	Multi billion dollar programmes	Renewable energy backbone, managed visitor flow and ecological monitoring, carbon framework
National artificial intelligence compute programme	Gigawatt scale compute by the middle of the next decade	Complementarity with the sovereign architecture and the sovereign codebase
National renewable target	Half of generation from non fossil sources by 2030	Geothermal deployment and modular industrial integration

The addressable perimeter of the Kingdom for the verticals of the Group. Every entry is an addressable basin, not a contract.

SAUDI ARABIA TEAM. *The Royal Partnership representation.*

The Saudi Arabia representation team anchored to the Royal Partnership, operating under H.H. Prince Abdul Majeed Al Saud and coordinating with Saudi ministries and PIF-adjacent vehicles.



**PRINCE Abdul Majeed
bin Saud bin Muhammad Al Saud**

THE RRSC SAUDI ARABIA
PRESIDENT & CEO



**Sheik Khaled bin Jameel bin
Hawas Abdul Aziz Al-Mussalt**

MANAGER FOR THE ROB ROCKEFELLER
SC SAUDI ARABIA BRANCH



**SHEIK ALAJMI,
ABDULLAH MOHAMMED A**

MANAGER OF THE ROB ROCKEFELLER
SC SAUDI ARABIA

H.H. Prince Abdul Majeed Al Saud

PRESIDENT & CEO · RRSC SAUDI ARABIA

Saudi Royal House — H.H. Prince Abdul Majeed bin Saud bin Muhammad Al Saud. Signatory of the Royal Partnership, formally appointing RRSC as the reference partner for the Middle East region. Coordination at Ministry of Energy level.

Sheik Khaled bin Jameel Al-Mussalt

MANAGER · RRSC SAUDI ARABIA BRANCH

Sheik Khaled bin Jameel bin Hawas Abdul Aziz Al-Mussalt — Manager for the RRSC Saudi Arabia Branch. Coordinates the institutional representation and the day-to-day relationship management with Saudi ministerial and PIF-adjacent counterparties under the Royal Partnership framework.

Sheik Alajmi, Abdullah Mohammed

MANAGER · RRSC SAUDI ARABIA

Manager RRSC Saudi Arabia. Day-to-day institutional and representation activities of the Saudi branch under the Royal Partnership Letter framework. Operates as the institutional bridge to Saudi ministries and PIF-adjacent vehicles.

SAUDI ARABIA · REPRESENTATION TEAM

The Saudi team. The representation of the Group in the Kingdom under the Royal Partnership, with the senior managers who

coordinate with the ministries and the sovereign investment vehicles.

11.5 · THE AL THANI PARTNERSHIP

State of Qatar.

A strategic representation in Doha, at the highest institutional level, through a partner of the ruling family, with the physical branch in preparation.

Qatar is a strategic gateway to the Gulf Cooperation Council region, with access to sovereign wealth, energy markets and the sustainability initiatives aligned with the national vision of the

State. The country is governed by H.H. Sheikh Tamim bin Hamad Al Thani, Emir of the State of Qatar and head of the Al Thani Royal Family, and it has positioned itself as a global hub for finance, energy

and investment. The presence of the Group is represented at the highest institutional level through its strategic partnership with a member of that family.

The Rob Rockefeller S.C.

STRATEGIC PARTNER — QATAR

Al Thani Royal Family · Institutional Representative



**Sheikh Tameen Bin
Mohammed Al Thani**

PRESIDENT PARTNER — QATAR AI

*Member of the Al Thani Royal Family
· Doha, Qatar*

PROFILE & INSTITUTIONAL ROLE

Sheikh Tameen Bin Mohammed Al Thani is a distinguished member of the Al Thani Royal Family, the ruling dynasty of the State of Qatar under the leadership of H.H. Emir Sheikh Tamim bin Hamad Al Thani.

As President Partner for Qatar Operations and Artificial Intelligence, Sheikh Tameen serves as the official institutional representative of The Rob Rockefeller S.C. in Qatar, bridging the company's global mission with the Qatari governmental and private sectors.

His role encompasses the representation of the Al Thani Royal Family in all strategic partnerships, institutional relations, and business development activities conducted by The Rob Rockefeller S.C. within the State of Qatar and the broader Gulf Cooperation Council (GCC) region.

Strategic Partners — Members of the Al Thani Royal Family. Officially representing the ruling family in all partnerships and institutional relations.



*Valentino Loforese, CEO · Sheikh Tameen Bin
Mohammed Al Thani
Strategic Partnership Meeting · Doha, Qatar*

The Rob Rockefeller S.C. · Qatar Representation · Doha

Strategic partner for Qatar. Sheikh Tameen Bin Mohammed Al Thani, member of the Al Thani Royal Family, President Partner for Qatar

operations and artificial intelligence, who officially represents the ruling family in all partnerships and institutional relations of the

Group in the State of Qatar.

QATAR — DOHA
Representation Team · Middle East Operations

The Rob Rockefeller S.C. is proud to establish its strategic representation in the State of Qatar, one of the most dynamic and influential nations in the Middle East.

Operating from Doha, our Qatar representation team serves as the institutional bridge between the company and the Qatari public and private sectors.

Qatar represents a strategic gateway to the Gulf Cooperation Council (GCC) region, with access to sovereign wealth funds, energy markets, and sustainability initiatives aligned with Qatar National Vision 2030.

Doha. The representation team of the Group for Middle East operations: the institutional bridge between the platform and the Qatari public and private sectors.

Representation Team · Middle East Operations

OUR PRESENCE IN QATAR

The Rob Rockefeller S.C. is proud to establish its strategic representation in the State of Qatar, one of the most dynamic and influential nations in the Middle East.

Operating from Doha, our Qatar representation team serves as the institutional bridge between the company and the Qatari public and private sectors.

Qatar is governed by H.H. Sheikh Tamim bin Hamad Al Thani, Emir of the State of Qatar and head of the Al Thani Royal Family — one of the most respected ruling dynasties in the Arab world. The country has positioned itself as a global hub for finance, energy.

Our presence in Qatar is represented at the highest institutional level through our strategic partnership with Sheikh Tameen Bin Mohammed Al Thani, a member of the Al Thani Royal Family, who officially represents the ruling family in all partnerships and institutional relations with The Rob Rockefeller S.C.

STRUCTURE

Status: Representation Team (no physical office)
City: Doha, State of Qatar
Strategic Partner: Sheikh Tameen Bin Mohammed Al Thani
Role: President Partner — Qatar Operations & AI
Institutional Connection: Member of H.H. Emir Sheikh bin Hamad Al Thani's Royal Family

ROADMAP & NEXT STEPS

Active Representation Phase
2024–2025
Strategic partnership established with the Al Thani Royal Family.
Institutional relations and market development underway in Doha.

Preparation & Structuring
2026
Identification of office location in Doha.
Legal and regulatory framework for branch establishment.
Expansion of local team and institutional network.

Official Branch Opening
2027
Planned opening of the official Rob-Rockefeller S.C. Qatar Branch in Doha.
Full operational status with dedicated team and local management.

Qatar represents a strategic gateway to the Gulf Cooperation Council (GCC) region, with access to sovereign wealth funds, energy markets, and sustainability initiatives aligned with Qatar National Vision 2030.

The Rob Rockefeller S.C. · Qatar Representation · Doha

The roadmap. The three phases of the Qatari presence: active representation, preparation and structuring of the branch, and the official opening of the branch in Doha with a dedicated resident team.

PHASE	CONTENT
Active representation	Strategic partnership established with the Al Thani Royal Family. Institutional relations and market development under way in Doha.
Preparation and structuring	Identification of the office location in Doha, legal and regulatory framework for the establishment of the branch, expansion of the local team and the institutional network.
Official opening	Opening of the official branch of the Group in Doha, with full operational status, a dedicated resident team and a local structure.

11.6 · THE INSTITUTIONAL READING

What the Gulf architecture is worth.

Three ruling families, one federal ministerial perimeter, one sovereign energy operator, one sovereign wealth lineage and two national transformation programmes. This is what the Middle East section of this volume actually contains.

- A presidency in the Emirates held by a member of the ruling family of Abu Dhabi, grandson of the founder of the Emirati sovereign wealth fund, whose family is a historic institutional ally of the ruling family of the federation.
- A general directorate for institutional relations held concurrently by a Director General of the global investment holding of the ruling family of Dubai, the largest shareholder of the principal property developer of the country.
- A deputy chief executive with more than twenty seven years of continuous service to the Al Hamed ruling family, concurrently chief executive of the family office vehicle.
- An executive manager formed at the headquarters of the sovereign energy operator of the

Emirates, carrying the carbon project perimeter of the branch.

- A director of operations related to an Assistant Undersecretary of the Emirati Ministry of Economy and Tourism, coordinating the federal institutional perimeter.
- A presidency in Saudi Arabia held by a member of the Al Saud dynasty, under a Royal Partnership letter that names the Group as reference partner for the Middle East region, with coordination at ministerial level.
- A president partner in Qatar from the Al Thani Royal Family, officially representing the dynasty in all partnerships and institutional relations of the Group in the State.
- A joint venture constituted in Abu Dhabi with the family office of the President of the branch, sixty per cent held by the Group.

- An artificial intelligence and cyber centre in constitution in the Emirates, conceived as the second engineering research centre of the Group in that discipline and as the Gulf wing of the sovereign technology architecture.

The Group states the limit of this architecture as clearly as its strength. Institutional access is not revenue. What the architecture produces is the ability to present a technology directly to the institution that decides, at the level at which it decides, without intermediation and without the years that a commercial entry normally requires. In sectors where the counterparty is a ministry, a sovereign fund or a national operator, that is the scarce asset. The technology has to be worth the access, which is the subject of Parts Three to Seven of this volume.

PART TWELVE

Europe.

Milan the institutional seat, Montegranaro and Brindisi the engineering, Istanbul and Bursa the industrial energy programme, Sofia the scientific frontier.

WHY THIS PART EXISTS

Europe carries three different functions for the Group at once, and they are presented together so that the division of labour between them is visible.

12.1 Italy: the European headquarters

12.2 Turkiye: Istanbul and Bursa

12.3 Bulgaria: Sofia

12.1 · ITALY

Italy: the European headquarters.

Milan is the institutional and commercial hub of the Group in Europe. Behind it stand two engineering centres and a leadership team that carries the Italian ministerial, industrial and agricultural perimeters.

THE ITALIAN BRANCH			
EUROPEAN HEADQUARTERS	Milan, Via Monte Napoleone 21	ENGINEERING AND RESEARCH CENTRE	Montegranaro, province of Fermo, 1,400 square metres
COORDINATION AND ENGINEERING DESIGN CENTRE	Brindisi, Via Danimarca 2, 300 square metres, under the coordination of Sandro Nasta	ADMINISTRATOR AND CHIEF EXECUTIVE OF THE BRANCH	Francesco Cuccurullo
BOARD OF DIRECTORS OF THE BRANCH	Gianluca Annunziata	INSTITUTIONAL PUBLIC RELATIONS, EUROPE AND AFRICA	Gennaro Migliore
ENGINEERING DIRECTION	Andrea Miano, Montegranaro; Sandro Nasta, Brindisi	PERIMETER	Italian ministerial and defence institutions, the policy and funding frameworks of the European Commission, the innovation pipeline of the North Atlantic alliance, and the Italian agro industrial and defence industrial supply chains

Via Monte Napoleone 21 is the most prestigious commercial address in Milan, at the centre of Italian finance and luxury, and the office is the European hub of the Group for institutional relations, family office coordination and commercial development across the Italian and European perimeter. It coordinates with the wider European network:

with the financial and contractual perimeter in Lugano, with the European Commission framework and with the Brindisi coordination centre.

The Italian position of the Group is not only institutional. Italy is the natural European anchor for three reasons: access to the defence and

innovation ecosystem of the Union; existing operational infrastructure through two engineering centres; and a position that bridges the southern European, Mediterranean and North African perimeters, complementing the coverage of the Arab perimeter carried from the Gulf.



THE ROB ROCKEFELLER S.C.

ITALY BRANCH

The European Hub

Via Montenapoleone 21, Milan

The Italian branch. The European hub at Via Montenapoleone 21 in Milan, with the engineering centre of Brindisi: the two poles

through which the Group connects innovation, engineering and institutional relations across Europe.

THE ROB ROCKEFELLER S.C.

LEADERSHIP TEAM



FRANCESCO CUCCURULLO
Administrator of The Rob Rockefeller SC Italy



GIANLUCA ANNUNZIATA
Board of Director of the Italian Branch



CESARE CARRIERO
Chief of Italian Agriculture & Livestock Sustainability



SANDRO NASTA
Executive Manager of the Engineering Area and Director of the Technology Research Laboratory



SIMONE RUGGERI
Fashion and Marketing AI Director



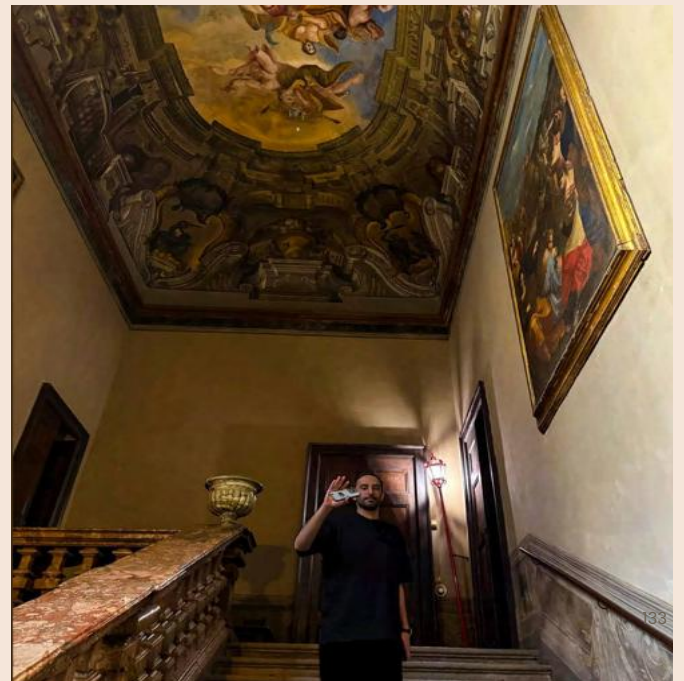
CARLO ELASI
Branches Coordinator

The Rob Rockefeller S.C.



MADE IN ITALY

The Italian leadership. The team that carries the European hub: administration of the branch, institutional governance, institutional public	relations for Europe and Africa, engineering direction, agricultural sustainability and the coordination of the branches.	
Francesco Cuccurullo <i>Administrator and Chief Executive of the Italian branch</i> Coordinates the European hub from Milan, the field deployments in Italy and the Brindisi coordination centre, and holds the institutional interfaces of the branch with the financial network of the Group.	Gennaro Migliore <i>Director of institutional public relations for Europe and Africa, Executive Manager for global operations</i> Coordinates the institutional public relations programme across the European and African perimeters, bridging the Italian branch and the continental network, and the global institutional operations of the Group.	Carlo Elasi <i>Branches Coordinator, Executive Manager for Europe operations</i> Aligns the active centres across the eighteen jurisdictions, interfacing between the branch chief executives, the Country Presidents and the Office of the Chief Executive Officer.
Gianluca Annunziata <i>Board of Directors of the Italian branch</i> Institutional governance of the Italian branch and the European institutional perimeter, including the quantum communication frameworks of the Union.	Cesare Carriero <i>Chief of Italian agriculture and livestock sustainability</i> Anchors the Italian agro industrial decarbonisation perimeter, bridging the geothermal and carbon neutrality verticals with agricultural sustainability and livestock emission reduction programmes.	Simone Ruggeri <i>General Director for research and marketing artificial intelligence</i> Directs research and the artificial intelligence driven marketing programme of the Group, with the consumer facing applications of the artificial intelligence vertical and cross vertical brand alignment.



TURKEY BRANCH

THE ROB ROCKEFELLER S.C.



HEADQUARTERS

Istanbul - 51st floor of
Metropol Tower



ENGINEERING CENTER

Area Industriale di Bursa



LEADERSHIP TEAM

- Engin Akel
- Hüseyin Karayağız
- Hasan Ayartürk



THE TURKISH BRANCH

PRESIDENT

Engin Akel

HEADQUARTERS

Istanbul, fifty first floor of
Metropol Tower

ENGINEERING CENTRE

Industrial area of Bursa, 4,000
square metres, with RePG
Energy

GENERAL MANAGER OF THE ENGINEERING CENTRE

Huseyin Karayagiz

CHIEF OF STAFF ENGINEER

Hasan Ayarturk

PERIMETER

Turkish institutional and
ministerial counterparties, the
industrial deployment of the
geothermal programme, and
the strategic corridor between
Europe and the Gulf

Istanbul is the institutional and financial centre of the country and the operational hub of the Group for Turkish institutional relations, governmental coordination and the

strategic perimeter at the crossroads of Europe and the Gulf. Bursa, two hours away, is the industrial city where the machine described in Part Nine is designed,

built, certified and tested. The two are a single system: the institutional relationship opens the market, the engineering centre supplies the product.

Bursa, and the leadership team of the branch.

The Turkish branch. Headquarters on the fifty first floor of Metropol Tower in Istanbul, the engineering centre in the industrial area of

Engin Akel

President of RRSC Turkiye

Founder and Chief Executive Officer of Akel Teknoloji. Anchors the Turkish institutional presence at Metropol Tower in Istanbul and coordinates with the Bursa technology centre on the industrial deployment of the geothermal programme and with the Turkish ministerial counterparties.

Huseyin Karayagiz

General Manager of the technology engineering centre of Turkiye

Chief Executive Officer and Chairman of the Board of RePG Energy. Directs the Bursa hub on the geothermal vertical and its industrial deployment.

Hasan Ayarturk

General Manager and Chief of Staff Engineer of the technology engineering centre

Founder of RePG Energy and lead inventor of the patent portfolio. Coordinates the global engineering team of the Group behind the module in industrial service.





BRANCH TÜRKİYE

LEADERSHIP TEAM & HEADQUARTER



Hüseyin Karayagiz

GENERAL MANAGER OF THE
THE ROB ROCKEFELLER S.C.
TECHNOLOGY ENGINEERING
CENTER TÜRKİYE



Hasan Ayartürk

CHIEF OF STAFF ENGINEER OF THE
THE ROB ROCKEFELLER S.C.
TECHNOLOGY ENGINEERING
CENTER TÜRKİYE



General Manager of the
The Rob Rockefeller S.C.
Technology Engineering
Center Türkiye



Chief of Staff Engineer of the
The Rob Rockefeller S.C.
Technology Engineering
Center Türkiye

BRANCH TÜRKİYE



Engin Akel

President



Hüseyin Karayagiz

*General Manager
(Tech Engineering Center)*



Hasan Ayartürk

*Chief of Staff Engineer
(Tech Engineering Center)*



Headquarter

Istanbul - 51st floor of Metropol Tower



Engin Akel

THE RRSC TÜRKİYE PRESIDENT



Currently, he serves as the Chief Executive Officer and Founder of Akel Teknoloji, a company he established in February 2021 and has been leading proudly for over three and a half years.



Parallely, since September 1996, he has been working as a pharmacist at Akel Eczanesi in Kahta, Adiyaman, Turkey, amassing nearly 28 years of extensive experience in the pharmaceutical sector.



In the political arena, he had the honor of running for Mayor with the AK Parti in Kahta, Adiyaman, from January to March 2019.



Additionally, he was a parliamentary candidate for AK Parti from March to June 2018 in Adiyaman. From February 2014 to November 2017, he served as the District Chairman for AK Parti in Kahta, Adiyaman.

The leadership of the Turkish branch. The President of the branch with his industrial and political record, the General Manager of the

technology engineering centre and the Chief of Staff Engineer, with the headquarters on the fifty first floor of Metropol Tower in Istanbul.

Bulgaria: Sofia.

The Bulgarian branch anchors the Group inside the European defence and sovereign technology perimeter, and carries the scientific cooperation with the Bulgarian Academy of Sciences described in Part Six.

Sofia is the scientific counterweight to the industrial capacity of Lalitpur and the institutional capacity of Milan. The mandate of the branch is research excellence, talent development and digital

transformation, and its instrument is the cooperation with the Centre of Competence QUASAR of the Bulgarian Academy of Sciences, executed in April 2026 and now in its second phase. That cooperation,

its three pillars, its signature and the European funding environment inside which it operates are set out in full in section 6.9 of this volume.

THE BULGARIAN BRANCH			
DIRECTOR	Edrev Kalin Petkov	SEAT	Sofia
SCIENTIFIC COUNTERPART	Centre of Competence QUASAR, Bulgarian Academy of Sciences, co funded under the framework of the European Union	PERIMETER OF THE COOPERATION	Quantum communication, intelligent security systems and risk management
EXECUTED	Sofia, April 2026, now advancing to its second phase	MANDATE OF THE BRANCH	Research excellence, talent development and digital transformation inside the European defence and sovereign technology perimeter



BULGARIAN BRANCH

WE ARE ALREADY ACTIVE



GEOTHERMAL
ENERGY



SOVEREIGN
AI

Our mission is clear:
to build the future with clean energy,
sovereign technology and global security.



Edrev Kalin Petkov
DIRECTOR OF THE BULGARIAN BRANCH

**CAP TO 2000 UNITS
BY 2027**

BULGARIA AS A STRATEGIC HUB FOR INNOVATION, ENERGY AND SECURITY



OUR MISSION

To develop sustainable,
intelligent and secure
solutions for a better
future for Bulgaria,
Europe and the World.



CLEAN & GEOTHERMAL ENERGY

Sustainable power
for the future



STRATEGIC PILLARS

SOVEREIGN AI DEVELOPMENT

AI you control.
Future you own.



CYBERSECURITY & NATIONAL SECURITY

Advanced defense
for a safer tomorrow



TALENT & INNOVATION HUB

Empowering the new
generation



OUR VISION

A sovereign, secure and
sustainable Bulgaria
leading the change in
Europe and beyond.

COORDINATING RELATIONSHIPS WITH



QUASAR
EUROPEAN IQCT HUB



Strategic coordination
with Quasar EU



Collaboration with NATO
in Bulgaria



Building a Sovereign AI &
Clean Energy ecosystem



The Bulgarian branch. The launch of the branch under the direction of Edrev Kalin Petkov, which anchors the Centre of Competence QUASAR in

Sofia and the European quantum communication architecture.

PART THIRTEEN

Africa.

Six operating countries, a continental headquarters in Johannesburg and a coordination centre in New Cairo.

WHY THIS PART EXISTS

Africa is presented as a portfolio of governmental partnerships rather than as a sales territory, because that is how it was built and how it is governed.

13.1 The continental doctrine

13.2 Egypt

13.3 Libya

13.4 Tunisia and North Africa

13.5 Nigeria

13.6 Cote d'Ivoire and the francophone perimeter

13.7 South Africa

13.1 · AFRICA

The continental doctrine.

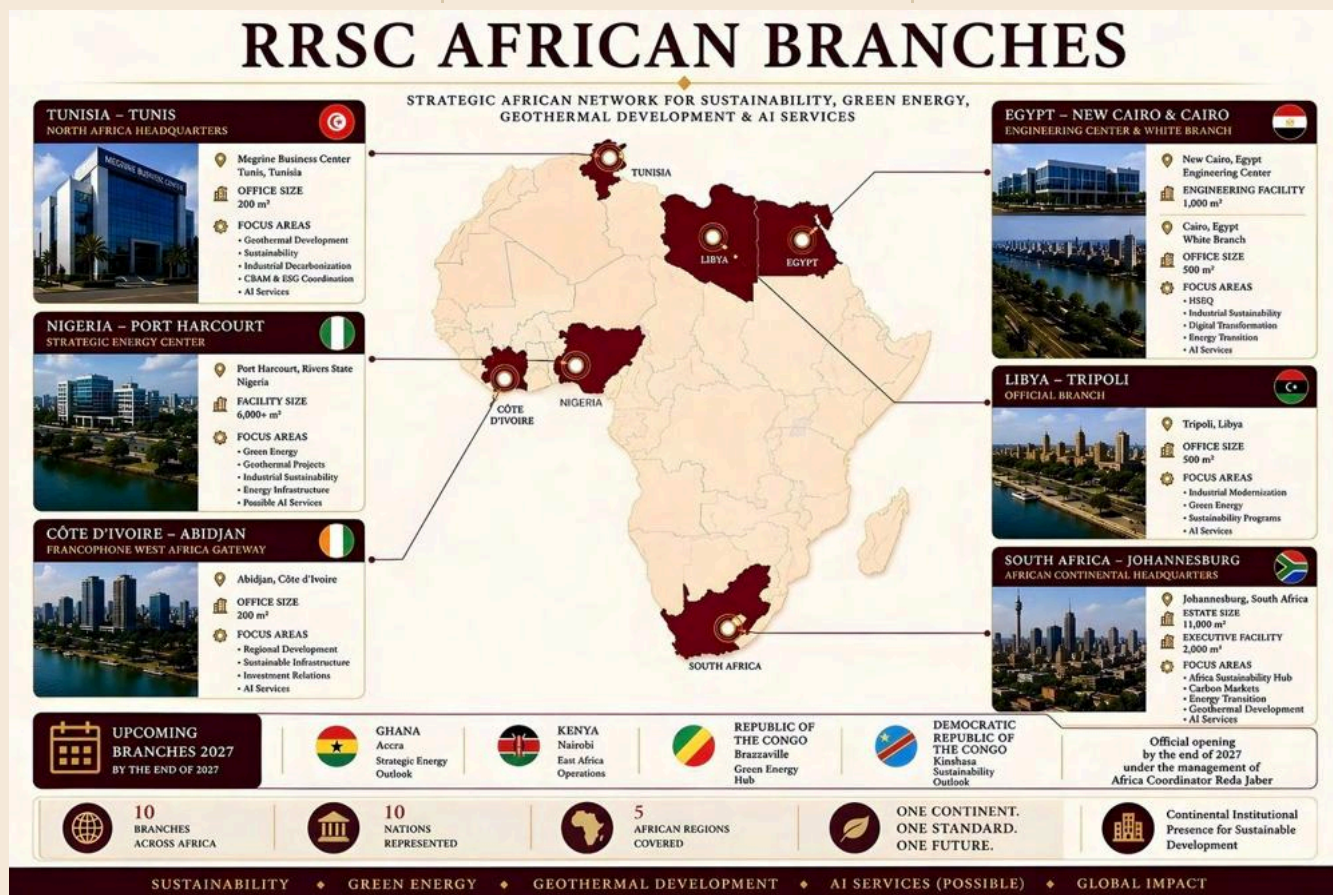
The African footprint of the Group is built on ministerial memoranda, letters of mandate and direct engagement with state agencies. It was designed for the decade in which African industry has to decarbonise under external pressure and has almost no infrastructure with which to do it.

Three forces are converging on African industry at the same time: the carbon border mechanism of the European Union, which prices the emissions embedded in exports; the just energy transition partnerships of the multilateral system, which finance national decarbonisation programmes; and the rapid build out of national carbon markets across the

continent. The consequence is that African industrial operators need measurement, assurance, abatement and clean baseload energy, and need them from counterparties that can operate at ministerial level.

That is the perimeter the Group has built for. The four verticals it deploys in Africa are the same four

it deploys anywhere: artificial intelligence and digital systems, cyber security, geothermal energy and industrial decarbonisation with carbon markets. What changes is the counterparty. In Africa the counterparty is almost always a ministry, a state agency or a national operator, and the entry point is a governmental instrument rather than a commercial contract.



The African network. The strategic African network of the Group for sustainability, green energy, geothermal development and artificial

intelligence services, with the size of each office and the focus areas of each node, from Tripoli and Cairo to Port Harcourt, Abidjan and

Johannesburg.

A branch network on a continent of that size is only as real as the people who hold it, and Africa is where that test is hardest. Distances are long, institutional systems differ from one country to the next, and a presence that consists of a registration and an

email address produces nothing. The Group therefore reads its African network as a map of named individuals rather than as a map of offices: a resident director in each country, a coordinator for each linguistic and economic perimeter, a presidency for North Africa and a

continental headquarters in Johannesburg. The map below names them country by country, and states from which city each surrounding perimeter is actually coordinated.



R. ROCKEFELLER S.C.

AFRICA LEADERSHIP

STRONGER TOGETHER • ONE AFRICA • ONE FUTURE



NORTH AFRICA



MOHAMED LASSAAD KEDIMI
PRESIDENT NORTH AFRICA
CEO RRSC TUNISIA

Architect of the Libyan Ministry of Industry & Minerals MoU for the Tripoli texaco opening in 2006
Coordinates the Group's North African programmes across Tunisia, Libya and Egypt.

TUNISIA LIBYA EGYPT

WEST, CENTRAL & WEST AFRICA



REDA JABER
GENERAL DIRECTOR IVORY COAST & AFRICA BRANCHES COORDINATOR

- General Director Ivory Coast
- PR Director Congo, Senegal, Tanzania
- Coordinates West, Central & West Africa branches and strategic partnerships
- Oversees governmental & institutional relations at sovereign level
- Regional decarbonisation and AI deployment projects coordination

CÔTE D'IVOIRE SENEGAL GHANA CAMEROON
CONGO DR CONGO

NIGERIA



JASPER JOHNSON
MANAGING DIRECTOR
RRSC NIGERIA

Leads the RRSC Nigeria branch from the 6,000+ m² strategic centre in Port Harcourt.
RSIPA STRATEGIC PARTNERSHIP ENDORSEMENT.

SOUTH AFRICA



EDDY DAVID MALESE
CEO
RRSC SOUTH AFRICA

CEO of the African continental headquarters from the 11,000 m² garden estate in Johannesburg.
First-tier connection with the extended family of Nelson Mandela.

AFRICAN STRATEGIC REFERENCE CENTER - EGYPT



DR. YAHIA ZAKARIA
DIRECTOR
AFRICAN STRATEGIC REFERENCE CENTER - EGYPT

- Director of Engineering Cer Cer, Egypt
- Expert in Industrial Engineering, Sustainability & Energy Transition Solutions
- Strategic guidance for the entire Africa network
- Works with Bank Group and Green Climate Fund accredited

OUR STRENGTH

- LOCAL EXPERTISE, GLOBAL VISION
- GOVERNMENT & MINISTERIAL RELATIONS
- STRATEGIC PARTNERSHIPS
- SUSTAINABLE GROWTH
- ONE AFRICA NETWORK

KEY LEADERS ACROSS AFRICA

6 STRATEGIC REGIONS COORDINATED

STRATEGIC PARTNERSHIPS AT SOVEREIGN LEVEL

INTEGRITY, EXCELLENCE & ACCOUNTABILITY

BUILDING THE FUTURE TOGETHER

The African leadership. The regional structure of the continental network, with the responsibilities of each node and the coordination of the francophone perimeter.

AFRICA REGIONAL LEADERSHIP



Mohamed Lassaad Kedimi

PRESIDENT
NORTH AFRICA



JASPER JOHNSON

CEO
NIGERIA



Eddy David Malese

CEO
SOUTH AFRICA



REDA JABER

PRESIDENT
WEST/CENTRAL AFRICA



Dr. Karen Sumser-Lupson

STRATEGIC PARTNER
DIRECTOR OF GLOBAL RELATIONS
WORLD BANK AND GREEN FUND



WORLD BANK

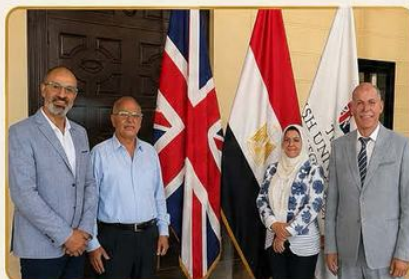


GREEN FUND

The continental power network. The African coordination of the Group and the perimeter of the francophone jurisdictions, under the direction of the Africa coordinator.



IN PARTNERSHIP WITH
**THE MINISTRY OF MILITARY
 PRODUCTION EGYPT**
 STRATEGIC PARTNERSHIP
 FOR TECHNOLOGICAL EXCELLENCE
 AND INDUSTRIAL GROWTH



OFFICIAL PARTNERSHIP & COLLABORATION WITH



**The
 BRITISH
 UNIVERSITY
 IN EGYPT**

- ✓ Academic Collaboration
- ✓ Joint Engineering Programs
- ✓ Research & Innovation
- ✓ Talent Development



**YELLOW
 HELMET
 EGYPT**

IN PARTNERSHIP WITH YELLOW HELMET EGYPT

- ✓ Advanced Engineering Solutions
- ✓ Infrastructure & Industrial Projects
- ✓ Safety, Training & Technical Excellence
- ✓ Sustainable Development Initiatives

In partnership with



R. ROCKEFELLER S.C. EGYPT – OUR CENTERS & INITIATIVES



ENGINEERING CENTER EGYPT

Advanced engineering solutions
 in energy, infrastructure,
 and industrial systems.



AI & CYBER CENTER EGYPT

Sovereign AI development,
 cyber defense, digital security
 and critical infrastructure
 protection.



ENERGY & GEOTHERMAL INNOVATION HUB

Geothermal AGS, clean energy,
 sustainability and decarbonization
 technologies for a greener Egypt
 and Africa.



TRAINING & TALENT DEVELOPMENT

Building the next generation
 of engineers, leaders and
 innovators through education,
 training and practical programs.

STRATEGIC ADVANTAGES

- ★ Prime location in Egypt, the bridge between Africa, Middle East & Europe
- ★ Access to top industrial zones, ports and logistics networks
- ★ Strong government & institutional support
- ★ Partnerships with leading universities and technology providers
- ★ Driving innovation, economy and sustainable growth

Egypt is the strategic bridge between Africa, the Middle East and Europe, and it is a case the Group states precisely: what operates in the country today is an engineering centre, not a branch. The branch is being opened, with a governmental partner, and is not presented here as though it already existed.

THE EGYPTIAN ENGINEERING AND SUSTAINABILITY CENTRE

WHAT IT IS

An engineering and technological research centre of the Group, in the same family as Bursa, Montegranaro and Brindisi, described in engineering terms in Part Eight

LOCATION

New Cairo, First Settlement, with Yellow Helmet Egypt, two operational premises, more than 1,000 square metres of total office space

ROLE

Assurance and transition hub of the Group and its coordination centre for the African continent

GENERAL DIRECTOR

Dr. Yahia Zakaria

INSTITUTIONAL PARTNERS

The national petroleum corporation, the natural gas holding company, the petrochemicals holding company and the southern valley petroleum holding company

REGISTRATION 2026

First registration in the system of cooperating companies of the national organisation for military production, security sector, number 2026/163, effective from 17 June 2026

ACADEMIC PARTNERSHIP BRANCH

The British University in Egypt
 In preparation with a governmental partner. Not yet constituted, and not counted as a branch in the registry of Part Ten

COORDINATION

Presidency for North Africa

The centre is described in engineering terms in Part Eight. What belongs here is the institutional position, because during 2026 three things happened in sequence that changed the standing of the Group in the country. A first time registration was obtained in the system of cooperating companies of the

national organisation for military production, in the security sector, valid from June 2026. A commercial recommendation was issued through the commercial office of the Egyptian embassy in Washington to the sectoral export councils, naming the engineering centre as the technical partner of the Group and recommending it for

services in health, safety, security, environment and quality, in operations, in digitalisation and artificial intelligence and in environmental and social governance. And the centre became a partner of the sectoral export councils for chemicals and fertilisers, steel, oil and gas and textiles.



The Egyptian centre. The engineering and sustainability centre of Egypt with its technical partner, presented at institutional level: the

perimeter of services it carries across the Middle East and North Africa and the position it holds as the coordination centre of the Group for the

African continent.

SUB REGION	COUNTRIES	ANCHOR
North Africa	Tunisia, Libya, Egypt	Presidency for North Africa, with the coordination centre for Africa in New Cairo
West Africa	Nigeria, Cote d'Ivoire	Strategic centre in Port Harcourt and the francophone gateway in Abidjan
Southern Africa	South Africa	Continental headquarters in Johannesburg
Central and East Africa	Republic of the Congo, Democratic Republic of the Congo, Kenya, Ghana	Brazzaville and Kinshasa on energy, critical minerals and forest carbon; Nairobi on the East African institutional and climate finance perimeter; Accra on the anglophone West African market

What exists in Egypt today, stated exactly. The presence of the Group in Egypt is carried by its engineering and sustainability centre of New Cairo, which belongs to the family of engineering and technological research centres described in Part Eight, alongside Bursa, Montegranaro and Brindisi. It is that centre, and not a commercial branch, that holds the institutional position set out below, and it is from that centre that the Group coordinates the African perimeter. A branch is in preparation: the Group is working with a governmental partner on its establishment, and it will be declared, with its instrument and its date, when it is constituted. Everything on these pages should therefore be read as the record of the Egyptian engineering centre.

Of the three developments described above, one is documentary and can be shown rather than described. A first time registration in the system of cooperating companies of the national organisation for military production, in the security sector, is not a commercial licence: it is an admission into the perimeter of entities with which a defence adjacent industrial authority is permitted to work, and it carries registered activities of consultancy, training, maintenance and general supply. It is the single instrument that changed the standing of the Group in the country during 2026. The card and the seal of the issuing authority are reproduced below, because a registration described in

prose and a registration reproduced in facsimile are not read the same way by the institution being asked to rely on it.

THE ACADEMIC PARTNERSHIP

The Egyptian centre also carries the first application in Africa of the academic vertical of the Group: a partnership with the British University in Egypt, one of the principal international universities of the country, opened during the institutional mission of July 2026. It connects the centre to a formal academic perimeter for research, for training and for the development of local engineering talent, and it is described with the



1



WESTERN TRACK

Tripoli institutional channel through the Ministry of Industry & Minerals and the Misrata Green Industry Center.

2



EASTERN & SOUTHERN TRACK

Benghazi operating base supported by Abarco and local strategic partners.

3



SHARED RRSC METHOD

One disciplined technical standard across both tracks.

4



SEPARATE MANDATES

Distinct legal instruments and local frameworks under RRSC coordination.

5



REGIONAL COORDINATION

RRSC Tunisia / North Africa supports coordination, documentation and delivery.



TODAY'S UNITED NATIONS DEVELOPMENT

On 30 August 2026, the UN-facilitated 4+4 framework in Tripoli brought together representatives from Libya's western and eastern sides, marking a step toward dialogue, institutional coordination and national stability.



RRSC NOTE

This development further reinforces the path chosen by R. Rockefeller S.C. since 2024 and supports the strategic agreements signed in recent days, to be officially announced soon. RRSC is among the first Western companies to have developed cooperation with leaders and counterparts in both areas.



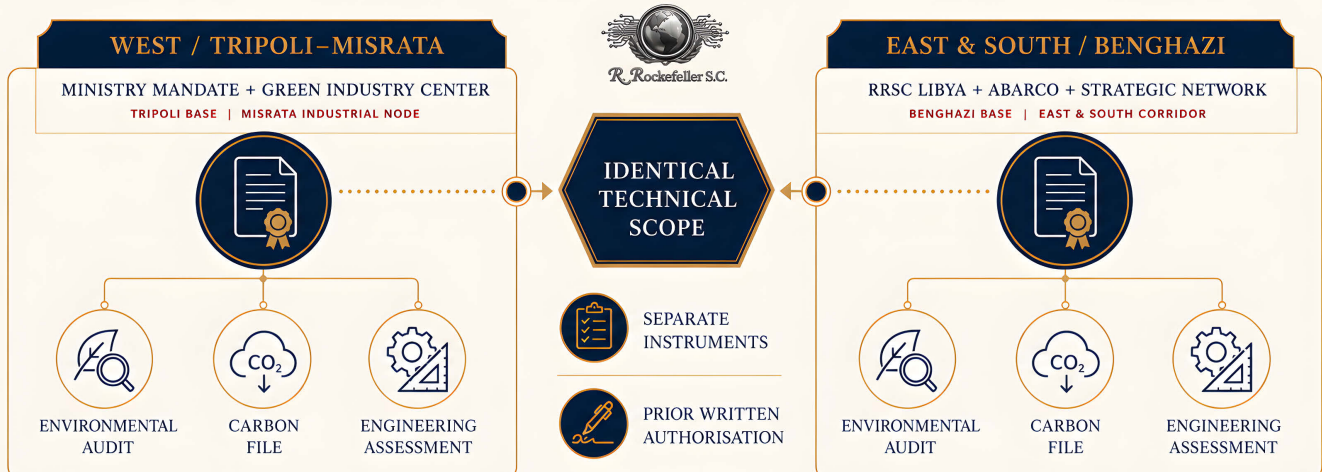
A REGIONAL PLATFORM. TWO LIBYAN BASES. ONE NEUTRAL TECHNICAL POSITION.

Tripoli and Benghazi bases. Misrata industrial node. Separate mandates. One RRSC standard.



ONE TECHNICAL STANDARD. BOTH LIBYAN TRACKS.

The same environmental, carbon and engineering methodology applied separately in the West and in the East and South.





The Rob Rockefeller S.C.

THE ROB ROCKEFELLER S.C.

LIBYA BRANCH

BUILDING INDUSTRY · CREATING PROSPERITY · SHAPING THE FUTURE





اتحاد الصناعة والمعادن
Libyan Industry Union



وزارة الصناعة والمعادن
Ministry of Industry and Minerals



STRATEGIC PARTNERSHIP
Established in close cooperation with the Government of Libya and the Ministry of Industry and Mineral Resources.

MEMORANDUM OF UNDERSTANDING
Thanks to the outstanding work of Mr. Lassaad Kedimi, CEO of the Tunisia branch, a Memorandum of Understanding has been officially signed with the Libyan Government.

ESTABLISHMENT TIMELINE
The Libyan branch will be officially established in Tripoli by 2026.

STRONG SYNERGY
The Libyan branch will work in close cooperation with our Tunisia branch, creating a unique and profitable synergy for the benefit of both nations and the entire African continent.

OFFICIAL BRANCH IN LIBYA

In partnership with the Government of Libya and the Libyan Ministry of Industry and Mineral Resources, The Rob Rockefeller S.C. is proud to establish its official branch in Libya.

OUR COMMITMENT

INDUSTRY DEVELOPMENT
Supporting Libya's industrial growth and diversification across key sectors.

MINERAL RESOURCES
Promoting the responsible exploitation and sustainable use of Libya's mineral wealth.

INVESTMENT & INNOVATION
Attracting investment, fostering innovation and advanced technologies to create long-term value.

NATIONAL & REGIONAL IMPACT
Contributing to economic prosperity, job creation and regional integration across Africa.



LOCATION: Tripoli, Libya

TARGET ESTABLISHMENT: 2026

PARTNERS: Government of Libya
Libyan Ministry of Industry and Mineral Resources

IN COLLABORATION WITH: The Rob Rockefeller S.C. – Tunisia Branch

TRIPOLI



*Together for a Stronger Libya.
Together for an Integrated Africa.*



The Libyan presence was not opened commercially, and the distinction governs everything that has followed from it. It was opened institutionally, in cooperation with the Government and with the Ministry of Industry and Mineral Resources, on a perimeter that was

agreed before any commercial discussion took place: energy optimisation, industrial development and the technological modernisation of installations that in several cases predate the last two decades. In a country where the institutional environment is the

first risk any counterparty assesses, entering through a ministry rather than through an agent is not a preference but a condition of operating at all. The plate below records that counterparty and the terms on which the cooperation was established.



R. ROCKEFELLER S.C.
ENGINEERING CENTER

LIBYA PARTNERSHIP

TOGETHER FOR INDUSTRY. TOGETHER FOR THE FUTURE.



-  Strategic partnership with the Ministry of Industry and Minerals – Libya.
-  Memorandum of Understanding (MoU) signed to establish our official branch in Tripoli by 2026.
-  In close cooperation with our Tunisia branch to create unique and profitable synergy.
-  Building a stronger industrial future for Libya and the entire African continent.



We are proud to announce the opening of our official branch in Libya, in partnership with the Government of Libya and the Ministry of Industry and Mineral Resources.

Thanks to the outstanding work of Mr. Lassaad Kedimi, our CEO of the Tunisia branch, a memorandum of understanding has been officially signed with the Libyan Government to establish this new branch in Tripoli by 2026.

The Libyan branch will work in close cooperation with our Tunisian branch, creating a unique and profitable synergy for the benefit of both nations and the entire African continent.

The ministerial partnership. The strategic partnership with the Ministry of Industry and Minerals of Libya, announced at the meeting

held at the Ministry: the institutional instrument through which the branch operates, and the reason the Libyan engagement is presented in

this volume as a governmental partnership rather than a commercial outpost.

13.4 · TUNISIA

Tunisia and North Africa.

Tunis is the operational headquarters of the Group for North Africa, and the presidency that carries the Tunisian, Libyan and Egyptian programmes.

Tunisia is the gateway between Europe and Africa, and the branch has been built as the coordination hub of the North African perimeter rather than as a single country

operation. It carries the institutional engagement with Tunisian ministries and public institutions, the industrial decarbonisation and energy

innovation programmes across the Maghreb, and the architecture of the Libyan engagement described in the previous section.



LIBYAN DELEGATION & TUNISIA RRSC EXPERTS



The Rob Rockefeller S.C. – Tunisia



MOHAMED LASSAAD KEDIMI
President of the RRSC North Africa
& CEO of the RRSC Tunisia



MOHAMED ALI DAIMI
South Regional Director of the
Rob Rockefeller SC Tunisia



SAHBI KADDACHI
Supply Chain Manager of the
Rob Rockefeller SC Tunisia



HAMZA FATNASSI
System Development Expert



EZZEDINE KHALFALLAH
Expert Advisor on Oil, Gas and
Energy Efficiency



NOUREDDINE HAJJAJI
IT Engineer



DR. MAHER KHEDHER
Tunisia AI / Cybersecurity Center
Director



JIHANE BEN ROMDHANE
The RRSC Tunisia Branch
Executive Manager

The Rob Rockefeller S.C.

The Tunisian team. The presidency for North Africa and the leadership of the Tunisian branch, with the specialist functions of the

branch: supply chain, system development, energy efficiency advisory, information technology engineering and the artificial

intelligence and cyber security centre.

THE TUNISIAN BRANCH			
PRESIDENT FOR NORTH AFRICA AND CHIEF EXECUTIVE OF THE BRANCH	Mohamed Lassaad Kedimi	SEAT	Tunis
ROLE	Operational headquarters for North Africa, coordinating the programmes of the Group across Tunisia, Libya and Egypt	PERIMETER	Artificial intelligence and cyber security, energy transition and industrial decarbonisation, institutional engagement with the ministries and public institutions of the Maghreb
LEADERSHIP	Mohamed Ali Daimi, South regional director; Sahbi Kaddachi, supply chain; Hamza Fatnassi, system development; Ezzedine Khalfallah, advisory on oil, gas and energy efficiency; Noureddine Hajjaji, information technology engineering; Dr. Maher Khedher, direction of the artificial intelligence and cyber security centre; Jihane Ben Romdhane, executive management of the branch		

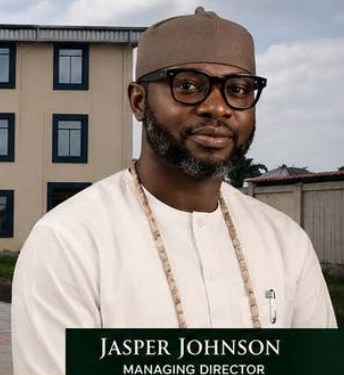


R. ROCKEFELLER S.C.
NIGERIA

OUR BRANCH

R. ROCKEFELLER S.C. NIGERIA

A STRATEGIC CENTER DRIVING INNOVATION, SUSTAINABILITY,
AND TECHNOLOGICAL EXCELLENCE FOR NIGERIA AND AFRICA.



JASPER JOHNSON
MANAGING DIRECTOR
R. ROCKEFELLER S.C. NIGERIA



OUR CENTER IS IN
PORT HARCOURT,
RIVERS STATE, NIGERIA.

A STRATEGIC CENTER OF OVER **6000 M²**
IN A VERY IMPORTANT INDUSTRIAL AREA FOR NIGERIA!



OVER 6000 M²
OF STRATEGIC
FACILITY



LOCATED IN A KEY
INDUSTRIAL HUB
OF NIGERIA



FOCUS ON AI,
ENGINEERING,
CYBER & ENERGY



PARTNERING FOR
NIGERIA'S GROWTH
& AFRICA'S FUTURE

A MULTIDISCIPLINARY HUB FOR:

- ARTIFICIAL INTELLIGENCE (AI) & SOFTWARE DEVELOPMENT
- CYBER SECURITY & DIGITAL DEFENSE
- ENGINEERING & INDUSTRIAL SOLUTIONS
- ENERGY, GEOTHERMAL AGS & SUSTAINABLE PROJECTS
- RESEARCH, INNOVATION & TALENT DEVELOPMENT

STRATEGIC ADVANTAGES

- Prime industrial location
- State-of-the-art infrastructure
- Proximity to key transport and logistics routes
- Access to top local talent
- Strong support for innovation and technology

OUR VISION

To build a sovereign, innovative and sustainable future for Nigeria, contributing to Africa's technological and industrial leadership.



STRATEGIC LOCATION

WITHGOD CLOSE OFF AIRPORT /
OBIRI IKWERRE EXPRESS WAY
PORT HARCOURT

- ✓ Excellent connectivity to the airport and major expressway
- ✓ Easy access to industrial zones, ports, and business districts



COMMITTED TO NIGERIA. CONNECTED TO THE WORLD.



STRATEGIC HUB
IN NIGERIA



LOCAL LEADERSHIP
GLOBAL STANDARDS



DRIVING INNOVATION
SUSTAINABILITY &
ECONOMIC GROWTH



BUILDING FOR
NIGERIA &
AFRICA'S FUTURE



R. ROCKEFELLER S.C.
NIGERIA



R. ROCKEFELLER S.C. NIGERIA
WithGod Close Off Airport / Obiri Ikwerre Express Way
Port Harcourt, Rivers State, Nigeria



info@rrockefeller-sc.ng
www.rrockefeller-sc.ng

INNOVATE. BUILD. SUSTAIN.
THE FUTURE IS NIGERIA.

13.5 · NIGERIA

Nigeria.

The largest economy in Africa and the energy capital of West Africa, with a strategic centre in Port Harcourt and an endorsement from the state investment promotion agency.

Port Harcourt is the centre of the Nigerian oil and gas industry, and the branch is positioned where industrial decarbonisation, waste heat recovery and digital

infrastructure meet. The four pillar proposal of the Group, artificial intelligence, cyber security, energy and decarbonisation, has been endorsed by the state investment

promotion agency, which positions the platform as an institutional reference counterparty in the energy capital of the country.

THE ROB ROCKEFELLER S.C. NIGERIA BRANCH



JASPER JOHNSON

MANAGING DIRECTOR
OF THE ROB ROCKEFELLER S.C. NIGERIA



PROF. CLIFFORD OFURUM

DIRECTOR OF FINANCE &
ADMINISTRATION



DR ORJI NYECHE

GENERAL MANAGER OF THE
ROB ROCKEFELLER S.C. NIGERIA

THE ROB ROCKEFELLER S.C. NIGERIA BRANCH – TEAM



ENGR. EMEKA EJIOWHOR

TECHNICAL SERVICES
MANAGER



SAMUEL IGIRI

DIRECTOR OF FINANCE &
ADMINISTRATION



NSIKAK EMMANUEL UDOSON

LOGISTIC
COORDINATOR



BARR. BUKY AMADI

LEGAL SERVICE
MANAGER



AIG PATRICK DOKUMO

PUBLIC COMMUNITY
RELATIONS MANAGER



EMENIKE WILSON

MARKETING
MANAGER

The Nigerian team. The managing direction, finance and administration, general management and the operational functions of

the branch: technical services, logistics, legal, public relations and marketing.





THE NIGERIAN BRANCH

MANAGING DIRECTOR

INSTITUTIONAL INSTRUMENT

High Chief Jasper Johnson

Strategic partnership
endorsement from the state
investment promotion agency

STRATEGIC CENTRE

FOCUS

Port Harcourt, Rivers State

Artificial intelligence and cyber
security for enterprises,
government and critical
sectors; energy transition,
waste heat recovery and
industrial decarbonisation;
institutional partnerships for
industrial development

LEADERSHIP

Prof. Clifford Ofurum, finance
and administration; Dr. Orji
Nyeche, general management;
Engr. Emeka Ejiofor, technical
services; Samuel Igiri, finance
and administration; Nsikak
Emmanuel Udosen, logistics;
Barr. Bury Amadi, legal
services; AIG Patrick Dokumo,
public relations; Emenike
Wilson, marketing

13.6 · WEST AFRICA

Cote d'Ivoire and the francophone perimeter.

*Abidjan is the economic capital and financial hub of West Africa, and the gateway of the Group to the francophone market.*R. ROCKEFELLER S. C.
IVORY COASTOFFICE ADDRESS
04 BP 1344 ABIDJAN 04

IVORY COAST BRANCH – FRANCOPHONE AFRICA HUB

THE ROB ROCKEFELLER S.C.



LOCATION

- Office Address:
04 BP 1344 ABIDJAN 04
- Abidjan – Ivory Coast



LEADERSHIP

- Reda Jaber
General Director
Ivory Coast &
PR Director of Congo,
Senegal, Ghana,
Tanzania

COORDINATOR & DIRECTOR FOR WEST & CENTRAL AFRICA STATES



Overall coordination of operations,
partnerships and development
across the West & Central Africa region.



THE ROB ROCKEFELLER S.C.
BUILDING AFRICA'S FUTURE TOGETHER



GOVERNMENT
RELATIONS



STRATEGIC
PARTNERSHIPS



INVESTMENT
DEVELOPMENT



ECONOMIC
GROWTH



UNITING LEADERS • BUILDING PARTNERSHIPS • DRIVING AFRICA'S PROGRESS



ENERGY



INFRASTRUCTURE



TECHNOLOGY & AI



EDUCATION



HEALTHCARE



SUSTAINABILITY

SENEGAL
(Dakar) – Director

GHANA
(Accra) – Director

IVORY COAST
(Abidjan) – Director
Branch & Hub

TOGO
(Lomé) – Director

BENIN
(Cotonou) – Director

CAMEROON
(Yaoundé) – Director

EQUATORIAL GUINEA
(Malabo) – Director

GABON
(Libreville) – Director

REPUBLIC OF THE CONGO
(Brazzaville) – Director

DEMOCRATIC REPUBLIC
OF THE CONGO (DRC)
(Kinshasa) – Director

Abidjan, francophone gateway. The strategic platform of the Group for investment, industrial development and sustainable transformation

across francophone West Africa, with direct access to global trade routes.

13.7 • SOUTHERN AFRICA

South Africa.

Johannesburg is the continental headquarters of the Group for Africa: the largest hub of the African network and the command centre for the continent.

THE SOUTH AFRICAN BRANCH

CHIEF EXECUTIVE OFFICER
ROLE

Eddy David Malese
Continental headquarters for
Africa and the regional
deployment centre for the
continent

SEAT
PERIMETER

Johannesburg, Gauteng
Artificial intelligence
deployment, cyber security
operations and data
governance for Africa;
renewable energy, industrial
decarbonisation and carbon
market verification;
institutional engagement
across African governments
and multilateral partners

LEADERSHIP

Jim Bosodi Matemane,
corporate law; Ntombiyenkosi
Goodness Ngcobo, executive
assistance to the chief
executive

The continental headquarters carries three functions at once: it is the command centre for African operations, the deployment point for artificial intelligence and cyber

security capability on the continent, and the institutional interface with African governments and multilateral partners. It works with the coordination centre in

New Cairo, which carries the engineering and assurance mandate for the continent, and with the West African and North African anchors described above.

The Rob Rockefeller S.C.

South Africa Branch



EXCELLENCE • INTEGRITY • PARTNERSHIP • IMPACT



Eddy David Malese

CEO OF THE ROB ROCKEFELLER S.C.
SOUTH AFRICA

Jim Bosodi Matemane

CORPORATE LAW SPECIALIST OF THE
ROB ROCKEFELLER S.C. SOUTH AFRICA

Ntombiyenkosi Goodness Ngcobo

EXECUTIVE PA TO THE CEO OF THE ROB
ROCKEFELLER S.C. SOUTH AFRICA



LOCAL LEADERSHIP

A dedicated leadership team driving growth, building relationships, and creating lasting value in South Africa.



EXPERTISE & SOLUTIONS

Combining legal, corporate, and operational expertise to deliver tailored solutions and trusted advisory services.



STRATEGIC IMPACT

Committed to advancing business, empowering communities, and contributing to a stronger South Africa.



COLLABORATION

Partnering with clients and stakeholders to achieve sustainable results and shared success.

The Rob Rockefeller S.C.



The Rob Rockefeller S.C.



The Rob Rockefeller S.C.



The Rob Rockefeller S.C.



The Rob Rockefeller S.C.



The Rob Rockefeller S.C.



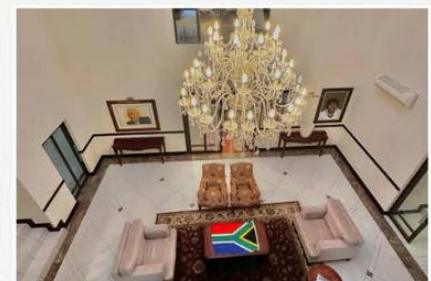
The Rob Rockefeller S.C.



The Rob Rockefeller S.C.



The Rob Rockefeller S.C.



The Rob Rockefeller S.C.



Headquarter strategically positioned in Johannesburg's elite residential area, neighboring the historic Mandela's villa. This remarkable 11,000 m² garden estate, embellished with a natural stream and an enchanting waterfall, serves as a beacon of innovation and excellence in South Africa.

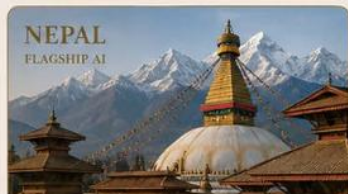
Our expansive 2,000 m² villa is not just a structure; it's a powerhouse of corporate luxury and efficiency

The South African branch. The leadership of the continental headquarters: chief executive, corporate law and executive support, with the

four commitments of the branch: local leadership, expertise and solutions, strategic impact and collaboration.

ASIA — FOUR NODES, FOUR INSTITUTIONAL FUNCTIONS

A strategic structure that makes Asia the institutional and operational backbone for artificial intelligence, sustainability and global financial coordination.



FLAGSHIP TECHNOLOGICAL HUB AI CENTER — RRSC

- Vertical AI control at the Group
- Four strategic levels
- 5,000 sq ft, 50+ engineers
- ISO 9001:2015 certified
- Multilateral technical partner
- Leadership and scientific direction under the direct mandate of the Group



AI & SUSTAINABILITY LENTY HUB

- Fully operational branch
- Offices in Mumbai and New Delhi
- Focus on AI, Sustainability and Carbon Credit
- Operational control and execution of strategic programs



SUSTAINABILITY & CARBON CREDIT HUB

- Operational branch dedicated to Sustainability and Carbon Credit
- Access to the national program Zero-Carbon Industrial Parks
- Strategic partnerships and advisory
- Structured financing and relationships with family offices



INSTITUTIONAL PUBLIC RELATIONS HUB

- Gateway ASEAN
- Institutional gateway and financial coordination center
- Operational perimeter control
- Openness perimeter execution
- Sovereign wealth flows and multilateral relations
- Coordination with family offices



INSTITUTIONAL
PERIMETER



OPERATIONAL
COORDINATION



STRATEGIC
PARTNERSHIPS



SUSTAINABLE
GROWTH

BUILDING TOMORROW. RESPONSIBLY.

Asia: four nodes, four functions.

Asia is the operational backbone of the Group. It holds the engineering core that produces the technology, the sustainability and carbon hub, the financial and institutional gateway, and one perimeter that is deliberately limited. Four mandates, four different kinds of counterparty, one continent.

The four Asian nodes are not four versions of the same office. Each one carries a distinct function, is measured against a distinct counterparty, and is subject to a distinct limit. The Group sets them out separately here because treating them as interchangeable is the first mistake an outside reader makes about a network of this shape.

Nepal is a production site. The artificial intelligence and cyber engineering research centre in

Lalitpur is where the technology of the platform is written, and the branch that hosts it is governed as a site under ministerial authorisation rather than as a commercial office.

India carries the sustainability and carbon credit mandate, from Mumbai and New Delhi, with the cross border corridors towards the African and Chinese verticals. Singapore is the institutional gateway to South East Asia and the financial coordination centre of the Asian perimeter.

China is the exception, and it is described in this part as an exception. The Chinese perimeter is limited to sustainability, clean energy and carbon credit, and it holds no part of the artificial intelligence and cyber architecture of the Group. Section 14.6 states that boundary in full, because a boundary of that kind is worth nothing unless it is stated in the same document that describes the presence.

NODE	FUNCTION	LEADERSHIP
Lalitpur, Nepal	The artificial intelligence and cyber engineering research centre: the production house of the sovereign platform	Indra Prasad Kattel, General Director of the branch. Santosh Bhusal, President of the centre. Mohan G.C., General Director of the centre.
Mumbai and New Delhi, India	Sustainability and carbon credit vertical, with the cross border corridors towards the African and Chinese perimeters	Abhay Chandra, Director. Raaj Suri, General Director of Mumbai. Dr. Gurpal Singh Sethi, Deputy Director.
Singapore	Institutional gateway to the association of South East Asian nations and financial coordination centre for the Asian perimeter	Rina Pua, Director. Vineeta Burman, Chief Financial Officer.
Shanghai, China	Representation only, on sustainability, clean energy and carbon credit. No artificial intelligence, no cyber, no sovereign architecture.	Kong Xiaoli, President of RRSC China.

One production site, two gateways and one limited perimeter. The asymmetry is deliberate and it is the subject of the sections that follow.

HOW TO READ THE FOUR NODES

A production site is judged on what it builds and on the authorisation under which it builds it. A gateway is judged on what passes through it and on whether the organisation can name it. A limited perimeter is judged on

whether the limit is stated in public, in the same document that describes the presence, or only in private.

The Group applies those three tests to its own Asian network in the pages

that follow, and it reports the result of each one, including where the result is that nothing is being executed at present.

14.2 · THE BRANCHES

Nepal: the production site.

The Nepalese branch is not a representative office. It hosts the artificial intelligence and cyber engineering research centre in Lalitpur, which is the operational core of the technology of the Group.

The centre stands in Kumaripati, Lalitpur, in more than five thousand square feet, and was activated on 5 May 2026. It employs over fifty certified engineers and fifteen senior managers, and it operates under ISO 9001:2015 certification.

The institutional record that surrounds it is fourteen years long and it is the reason the site exists where it does: work with the World Bank, with the agencies of the United Nations, with the bilateral cooperation agencies, and with

twenty five ministries and federal agencies of the Government of Nepal.

The leadership of the branch is divided between the institutional function and the engineering function, and the division is deliberate. Indra Prasad Kattel directs the branch and carries the institutional, humanitarian and community network in the Himalayan perimeter. Santosh Bhusal is President of the centre. Mohan G.C. is its General Director, with a background in information and

communication technology and management information systems, and a record of consultancy with the World Bank.

In July 2026 the centre was represented at the Kathmandu University School of Management on artificial intelligence and sustainable trade, which is the class of forum in which a production site of this kind has to be visible if it wants to keep recruiting the engineers it needs.

THE LALITPUR CENTRE, IN ITS TERMS	
LOCATION	Kumaripati, Lalitpur, Nepal
ACTIVATED	5 May 2026
SURFACE	More than five thousand square feet
STAFF	Over fifty certified engineers, fifteen senior managers
CERTIFICATION	ISO 9001:2015
INSTITUTIONAL RECORD	Fourteen years with the World Bank, the agencies of the United Nations, the bilateral cooperation agencies, and twenty five ministries and federal agencies of the Government of Nepal
FUNCTION	Production house of the sovereign platform: the artificial intelligence and cyber engineering of the Group

LEADERSHIP OF THE BRANCH AND OF THE CENTRE	FUNCTION AND BACKGROUND
Indra Prasad Kattel	General Director of the branch. Institutional, humanitarian and community network of the Group in the Himalayan perimeter. Described in the section that follows.
Santosh Bhusal	President of the centre. Founder and Director of Dryice Solutions, Lalitpur. More than seventeen years in information technology and business across the South East Asian area, with assignments for the World Bank, USAID, the Japan Social Development Fund and the International Labour Organization.
Mohan G.C.	General Director of the centre. Specialist in information and communication technology and management information systems, with a record of consultancy for the World Bank.

Of the four Asian nodes, this is the only one that produces. The other three represent, coordinate or hold a position. The distinction runs through the whole of this part.

14.3 · THE BRANCHES

Indra Prasad Kattel.

General Director of the Nepalese branch. He holds the institutional, humanitarian and community network of the Group in the Himalayan perimeter, and he is the counterparty through which the engineering centre in Lalitpur meets the Government of Nepal.



Indra Prasad Kattel, General Director for Nepal, The Rob Rockefeller Standard Carbon.

A production site under ministerial authorisation runs on a licence that is not commercial. It requires standing with the ministries that authorise it, credibility with the multilateral agencies that audit it, and a relationship with the communities in which its engineers are trained and recruited. That is the mandate of the General Director of the branch, and it is the reason the Group appointed to it a figure whose record is institutional rather than technical.

Mr. Kattel was born on 3 March 1971 in the village of Ithara, in Nepal. His professional career spans more than three decades, built in tourism and community development across South Asia, the Middle East and Latin America, and it is that career that produced the network he now carries for the Group.

He serves as Joint Director of International Relations at the Gandhi Mandela Foundation, an office he assumed in 2020. Earlier he held the office of Director of International Relations at the World Organization for Peace, in Argentina. His Latin American record begins in 2007 in Cancun, as adviser to the Government of Quintana Roo on tourism outreach, and it produced, in 2015, the Nepal Week held at the Mexican Senate.

He directs the branch, not the laboratory. The engineering leadership of the Lalitpur centre is separate and is described in the preceding section.

THE MANDATE, IN ITS TERMS

POSITION	General Director of the Nepalese branch, The Rob Rockefeller Standard Carbon
PERIMETER	Institutional relations with the Government of Nepal, the multilateral agencies and the bilateral cooperation agencies. Humanitarian and community network in the Himalayan perimeter. Governance of the branch, distinct from the engineering direction of the centre.
BORN	3 March 1971, Ithara, Nepal
CAREER	More than three decades in tourism, community development and international relations across South Asia, the Middle East and Latin America

During the lockdown of 2020 Mr. Kattel returned to Ithara and founded the Kattel Group, which operates eco luxury tourism, a fifty room resort and a vocational training centre for Nepali youth. The training centre matters to the Group directly: it is part of the pipeline from which the Lalitpur laboratory recruits.

THE RECORD HE BRINGS TO THE BRANCH

The Group records the appointments a director holds outside it, because those appointments are the network the branch uses. Here the network is the mandate.

Mr. Kattel holds a Doctorate Honoris Causa in Peace and Non-Violence,

conferred by the Global Federation of Leadership and High Intelligence, in Mexico, and has worked with the World Tourism Forum Institute on tourism development across South Asia.

The counterparties below are reproduced from his own record. The Group states, here as elsewhere, that a photograph with a principal is not a partnership.

OFFICE OR ENGAGEMENT	DETAIL AND DATE
Gandhi Mandela Foundation	Joint Director of International Relations. Office assumed in 2020.
World Organization for Peace	Director of International Relations, Argentina.
Government of Quintana Roo	Adviser on tourism outreach, from 2007, Cancun, Mexico.
Nepal Week	2015, Mexican Senate.
World Tourism Forum Institute	Tourism development in South Asia.
Doctorate Honoris Causa	Peace and Non-Violence, Global Federation of Leadership and High Intelligence, Mexico.
Kattel Group	Founded 2020, Ithara. Kattel Travel, 2022. DE Aqua Eco-Resort, fifty rooms. Vocational training centre.

THE COUNTERPARTIES OF THAT RECORD



H.H. the Dalai Lama, spiritual leader of Tibetan Buddhism.

Kailash Satyarthi, Nobel Peace Prize laureate.

H.E. Mohammed Ahmed Al Yamahi, President of the Arab Parliament.

Gloria Guevara, former Secretary of Tourism of Mexico.

Rigoberta Menchu, Nobel Peace Prize laureate.

Bulut Bagci, President of the World Tourism Forum Institute, and H.E. Luis Alfonso, Ambassador of Mexico to the United Arab Emirates.

14.4 · THE BRANCHES

India: the carbon vertical.

The Rob Rockefeller S.C. India

HEADQUARTER

Our headquarter in India serves as a dedicated hub for Sustainability and AI Leadership & Innovation.

400 square meters

591/502/503 Mourya Estate.

Opp Infiniti Mall.

Andheri West
Mumbai 400053 – India

SUSTAINABILITY HUB
Driving carbon credit solutions and green energy initiatives.

AI LEADERSHIP HUB
Lently hub for AI leadership and innovation.

STRATEGIC PARTNERSHIPS
Building collaborations for a sustainable future.

GLOBAL IMPACT
Creating measurable impact for communities and planet.

LEADERSHIP TEAM

Raaj Suri
General Director
The Rob Rockefeller SC Mumbai

Dr. Gurpal Singh Sethi
Deputy Director
The Rob Rockefeller SC Mumbai

Abhay Chandra
Director
The Rob Rockefeller SC India

The Rob Rockefeller S.C. India. The headquarters in Andheri West, Mumbai, and the leadership of the branch: Raaj Suri, General Director; Dr. Gurpal Singh Sethi, Deputy Director; Abhay Chandra, Director.

The Indian branch operates the sustainability and carbon credit mandate, from Mumbai and New Delhi. It is the counterparty of the Group for the Indian institutional perimeter on carbon credit development and verification, and it carries the cross border corridors

between the Indian, African and Chinese verticals.

The headquarters was opened in April 2025 in Andheri West, at Mourya Estate opposite the Infiniti Mall, in four hundred square metres dedicated to sustainability and to artificial intelligence leadership and innovation.

The leadership carries three distinct functions. Abhay Chandra leads the operational delivery of the mandate. Raaj Suri anchors the operational governance and the counterparty relationships. Dr. Gurpal Singh Sethi carries the agro industrial decarbonisation perimeter and the carbon credit verification pipeline.

THE INDIAN SEAT	
HEADQUARTERS	591/502/503 Mourya Estate, opposite Infiniti Mall, Andheri West, Mumbai 400053, India
OPENED	April 2025. Four hundred square metres. Second office in New Delhi.
MANDATE	Sustainability and carbon credit. Development and verification for the Indian institutional perimeter. Cross border corridors towards the African and Chinese verticals.
LEADERSHIP	Abhay Chandra, Director. Raaj Suri, General Director of Mumbai. Dr. Gurpal Singh Sethi, Deputy Director.

14.5 · THE BRANCHES

Singapore: the gateway.

The Rob Rockefeller S.C. Branch Singapore





RINA PUA
Director of
The Rob Rockefeller S.C. Singapore



VINEETA BURMAN
Singapore Chief Financial Officer



STRATEGIC HUB
Singapore serves as a strategic hub for connecting markets, capital, and opportunities across Asia and beyond.



GLOBAL NETWORK
Leveraging The Rob Rockefeller S.C. global network to deliver trusted solutions and long-term value to our partners.



FINANCIAL EXCELLENCE
Driving financial discipline, innovation, and sustainable growth with integrity and transparency.



COMMITTED TEAM
A dedicated team focused on excellence, collaboration, and creating a lasting impact together.

The Rob Rockefeller S.C.

The Rob Rockefeller S.C. Branch Singapore. Rina Pua, Director. Vineeta Burman, Chief Financial Officer.

The Singapore branch is the institutional gateway of the Group to the association of South East Asian nations and the financial coordination centre for the Asian operational perimeter. The office is located in the Clarke Quay area, one of the most connected districts of the city.

Singapore is the node of the Asian perimeter that produced a documented commercial result rather than a position. The participation of the Group in the Journal House programme of The Wall Street Journal, in September 2024, laid the foundation of the strategic partnership of the Group in

India and in Kazakhstan. That engagement is described in Part Sixteen.

In January 2026 the Shenzhen entity of the Group was appointed committee member at the Zero-Carbon Summit held in Singapore, which is the kind of appointment the gateway function exists to produce.

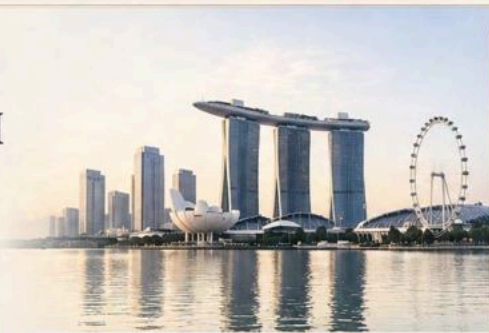
THE SINGAPORE SEAT	
LOCATION	Clarke Quay area, Singapore
FUNCTION	Institutional gateway to the association of South East Asian nations. Financial coordination centre for the Asian perimeter.
PERIMETER	Cross border financial flows, treasury structures, sovereign wealth engagement, family office relationships
DOCUMENTED OUTCOME	Journal House, September 2024: the foundation of the strategic partnership of the Group in India and Kazakhstan

R. ROCKEFELLER S.C.

Part Fourteen · Asia

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SINGAPORE: THE OPERATIONAL HUB





R · R · S · C

SINGAPORE BRANCH

OUR OPERATIONAL HUB IN ASIA

The Singapore Branch is a strategic hub for institutional relations, finance and sustainable growth in the heart of Asia.

The Singapore Branch represents a strategic hub for institutional relations, finance and sustainable growth in the heart of Asia.





CLARKE QUAY AREA

La nostra sede è situata nella prestigiosa Clarke Quay Area, uno dei distretti più dinamici e connessi di Singapore.

Our headquarters is located in the prestigious Clarke Quay Area, one of Singapore's most dynamic and well-connected districts.





LEADERSHIP & MANAGEMENT

Il centro è gestito dalla Director Rina Pua e dalla Chief Financial Officer Vineeta Burman, con una leadership orientata all'eccellenza operativa e alla creazione di valore.

The center is managed by Director Rina Pua and Chief Financial Officer Vineeta Burman, with a leadership focused on operational excellence and value creation.





SINGAPORE OFFICE

Spazi moderni e funzionali progettati per supportare innovazione, collaborazione e relazioni istituzionali a livello internazionale.

Modern and functional spaces designed to support innovation, collaboration and institutional relations at an international level.



HUB STRATEGICO ASIATICO

Connessioni istituzionali e opportunità di crescita.

STRATEGIC ASIAN HUB

Institutional connections and growth opportunities.



RELAZIONI ISTITUZIONALI

Network esclusivo con enti pubblici e partner strategici.

INSTITUTIONAL RELATIONS

Exclusive network with public entities and strategic partners.



CRESCITA SOSTENIBILE

Focus su sostenibilità, finanza e innovazione tecnologica.

SUSTAINABLE GROWTH

Focus on sustainability, finance and technological innovation.



GOVERNANCE E INTEGRITÀ

Standard elevati di governance e gestione responsabile.

GOVERNANCE & INTEGRITY

High standards of governance and responsible management.

Singapore Branch. The Clarke Quay headquarters, the leadership and the four mandates of the node: strategic Asian hub, institutional relations, sustainable growth, governance and integrity.

THE SINGAPORE LEADERSHIP	FUNCTION AND BACKGROUND
Rina Pua	Director of the branch. More than fifteen years in institutional relations, management and strategic development in Asia. Founder and Chief Executive of the Nation Care group of entities. Senior Senator and Head of Mission of the World Business Angels Forum national commission for Singapore. Global Chair for financial empowerment at G100. Fifteen years at United Overseas Bank, 2005 to 2020, to Assistant Vice President.
Vineeta Burman	Chief Financial Officer. Corporate finance, investments and strategic planning. Cross border financial flows, treasury structures, sovereign wealth engagement and family office relationships for the Asian perimeter. Founder and Managing Director of Eversunshine Capital Ventures. Capital markets certifications of the Monetary Authority of Singapore.

Treasury, sovereign wealth engagement and family office relationships are placed in Singapore rather than in the countries where the projects run, for the same reason

most of the Asian perimeter does the same thing: the jurisdiction is the one in which a cross border structure can be explained to a counterparty without a paragraph of justification.

The operating branches keep their operations. What moves to Singapore is the coordination, and the distinction is a governance choice rather than a fiscal one.

A gateway is measured by what passes through it. Singapore is the node of the Asian perimeter where the Group can name what did.

R. ROCKEFELLER S.C.

Part Fourteen · Asia

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14.6 · THE BRANCHES

China: a perimeter, stated as a limit.

The Chinese presence of the Group is a representation, and nothing beyond it. It holds no part of the artificial intelligence, cyber security or sovereign architecture of the platform, it runs no operational programme today, and the Group sets that out here in the same page in which it describes the presence.



CHINA:

A PERIMETER, STATED AS A LIMIT.

The Chinese presence of the Group is a representation, and nothing beyond it. It holds no part of the artificial intelligence, cyber security or sovereign architecture of the platform, runs no operational programme today, and the Group sets that out here in the same page in which it describes the presence.



REPRESENTATION ONLY

The Chinese perimeter is presided over by Kong Xiaoli, President of RRSC China, institutional representative of the Group in the country.

The function is representation on the sustainability side: eco sustainability, clean energy and carbon credit. It is the perimeter of the President of the branch, and it does not extend beyond it.



CLEAR BOUNDARY

What that perimeter excludes is stated positively rather than by omission, because a boundary described by silence is not a boundary.

The artificial intelligence and cyber security architecture of the Group, including the AURYNTHOON programme, the artificial intelligence centres and the cryptographic architecture, is developed, operated and held entirely outside China.



EXCLUDED, EXPRESSLY

It is not shared with the Chinese branch, it is not accessible from it, and the Chinese branch does not work on it in any form.

The Group states the operational position with the same directness. There is no active programme running in China today.



POSITIONAL PRESENCE

The presence is held for stability and for the possibility of projects in the future, within the sustainability and carbon perimeter and within it alone.

Nothing is being executed at present, and this volume does not claim otherwise.



HONESTY OF REPRESENTATION

A representation that is honest about being a representation is worth more than one described as an operation.

The counterparties and regulators who read this page are the reason the wording is this exact.



KONG XIAOLI
President of RRSC China

Chief Executive Officer of the Group

THE CHINESE PERIMETER, IN ITS TERMS

**FUNCTION**

Institutional representation only, on eco sustainability, clean energy and carbon credit.

**EXCLUDED, EXPRESSLY**

Artificial intelligence, cyber security, the AURYNTHOON programme, the artificial intelligence centres and the cryptographic architecture. Developed, operated and held entirely outside China. Not shared with the branch and not accessible from it.

**OPERATIONAL STATUS**

No programme in execution at present. The presence is positional, held for stability and for possible future projects inside the sustainability and carbon perimeter.

**LEADERSHIP**

Kong Xiaoli, President of RRSC China, Chairman of Huaxun Carbon, Shenzhen, ecological technology. Director of Jingke Holding Group since July 2023. President of the Zero Carbon Industry Operation Center in Shenzhen from 2021 to 2023. Degree from the faculty of forestry of Henan Agricultural University, doctorate from the University of the Chinese Academy of Sciences and the Brest School of Business.



SUSTAINABILITY FOCUS

Eco sustainability, clean energy and carbon credit.



A POSITION FOR THE FUTURE

Presence held for stability and for possible future projects within the sustainability and carbon perimeter.

China: a perimeter, stated as a limit.

The Chinese presence of the Group is a representation, and nothing beyond it. It holds no part of the artificial intelligence, cyber security or sovereign architecture of the platform, it runs no operational programme today, and **RRSC China**. The perimeter of the Chinese presence, its express exclusions and its operational status, as the Group states them. Kong Xiaoli, President of RRSC China.

Kong Xiaoli, President of RRSC China, with the Chief Executive Officer of the Group.

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THE BOUNDARY, IN FULL

The Chinese perimeter is presided over by Kong Xiaoli, President of RRSC China and sole institutional representative of the Group in the country. The office stands at No. 4618, Cao'an Highway, in Anting Town, Jiading District, Shanghai, on one of the arterial corridors that connects the metropolitan area with the province of Jiangsu. The function is representation on the sustainability side: eco sustainability, clean energy and carbon credit. It is the perimeter of the President of the branch, and it does not extend beyond it.

What that perimeter excludes is stated positively rather than by

omission, because a boundary described by silence is not a boundary. The artificial intelligence and cyber security architecture of the Group, including the AURYNTHEON programme, the artificial intelligence centres and the cryptographic architecture, is developed, operated and held entirely outside China. It is not shared with the Chinese branch, it is not accessible from it, and the Chinese branch does not work on it in any form.

The Group states the operational position with the same directness. There is no active programme running in China today. The presence

is held for stability and for the possibility of projects in the future, within the sustainability and carbon perimeter and within it alone. Nothing is being executed at present, and this volume does not claim otherwise.

A representation honest about being a representation is worth more than one described as an operation. The counterparties and regulators who read this page are the reason the wording is this exact.

THE CHINESE PERIMETER, IN ITS TERMS	
OFFICE	No. 4618, Cao'an Highway, Anting Town, Jiading District, Shanghai, China
FUNCTION	Institutional representation only, on eco sustainability, clean energy and carbon credit
EXCLUDED, EXPRESSLY	Artificial intelligence, cyber security, the AURYNTHEON programme, the artificial intelligence centres and the cryptographic architecture. Developed, operated and held entirely outside China. Not shared with the branch and not accessible from it.
OPERATIONAL STATUS	No programme in execution at present. The presence is positional, held for stability and for possible future projects inside the sustainability and carbon perimeter.
LEADERSHIP	Kong Xiaoli, President of RRSC China and sole institutional representative in the country. Chairman of Huaxun Carbon, Shenzhen. Director of Jingke Holding Group since July 2023. President of the Zero Carbon Industry Operation Center in Shenzhen, 2021 to 2023.

WHY THE BOUNDARY IS WRITTEN HERE

Every organisation with a Chinese presence and a sensitive technology faces the same question from its Western counterparties, and most answer it in private correspondence. The Group answers it in the volume it

hands to those counterparties, because an assurance given in a meeting is worth what the meeting is worth, and one printed in a company profile can be held against the company that printed it.

That is the intended effect. The boundary described on these two pages is a commitment, and it is written in the form that makes it one.

Four nodes close this part. One of them produces, two open doors, and this one holds a position and says so. The Group would rather be read as accurate than as large.

INSTITUTIONAL | DIPLOMATIC | STRATEGIC

ANDREW SHELEPNYTSKYI

DIRECTOR OF
PUBLIC, PRIVATE AND
INSTITUTIONAL RELATIONS
PRINCIPALITY OF MONACO · MONTE CARLO



INSTITUTIONAL REPRESENTATION
Official representative of R. Rockefeller. S.C.
in Monaco before public authorities,
institutions and international stakeholders.



PUBLIC, PRIVATE & DIPLOMATIC RELATIONS
Building trusted relationships with government
bodies, diplomatic corps, private sector leaders
and global influence circles.



STRATEGIC NETWORK & INFLUENCE
Developing high-level connections and creating
strategic opportunities that support the mission
and global growth of the company.



DISCRETION. INTEGRITY. EXCELLENCE.
Operating with the highest standards of
confidentiality, professionalism and institutional
excellence.



PRINCIPALITY OF MONACO
MONTE CARLO

R. ROCKEFELLER S.C.

PUBLIC ROLES & EXPERIENCE



VICE-PRESIDENT
THE MONEGASQUE
Curated Perspectives From The World's
Most Influential Circles.



PARTNER
BARBAGIUANS MONACO
Strategic partnerships and
institutional advisory.



BASED IN MONACO
Operating at the heart of international
diplomacy and business.



EXTENSIVE NETWORK
Trusted relations with global leaders,
family offices, foundations and institutions.

R. ROCKEFELLER. S.C.

STRATEGIC RELATIONS. GLOBAL IMPACT. LASTING LEGACY.



SOVEREIGN AI
Sovereign artificial intelligence
infrastructure and autonomous
AI systems for secure and
independent digital ecosystems.



AI SOFTWARE DEVELOPMENT
Secure, scalable and custom
AI-powered software solutions
for complex systems and
mission-critical applications.



CYBER – CYBERSECURITY
Advanced cybersecurity solutions
to protect critical infrastructure,
data, networks and digital
assets from evolving threats.



GEOTHERMAL AGS
Advanced Geothermal Systems
(AGS) for clean, reliable and
sustainable energy production
and long-term environmental value.



GEOPOLITICS ANALYSTS
In-depth geopolitical analysis,
risk assessment and strategic
intelligence for informed
decision-making.

Andrew Shelepnytskyi, General Director for public, private and institutional relations, Principality of Monaco. The official representative of the Group in Monaco, with the

What a directorate of this kind produces is not a contract but a room. The plate below is the Monegasque network as the Group presents it: the relationships that carry across diplomacy, business

four disciplines of the mandate: institutional representation, public, private and diplomatic relations, strategic network and influence, and

and technology, from the Princely House of Monaco to the founders and figures of global finance, technology and education. The Group states, here as everywhere in this part, that a photograph is not a

the standard of discretion, integrity and excellence under which the Principality expects institutional work to be conducted.

partnership. What these relationships produce is the ability to open a conversation at the level at which decisions are taken.

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INSTITUTIONAL | DIPLOMATIC | STRATEGIC

INTERNATIONAL RELATIONS

A GLOBAL NETWORK OF TRUST, INFLUENCE AND VISION.

Strong relationships with world leaders, innovators and visionaries driving impact across diplomacy, business and technology.



PRINCIPALITY OF MONACO
MONTE CARLO



STRATEGIC RELATIONS. GLOBAL IMPACT. LASTING LEGACY.



CHANGPENG ZHAO (CZ)
FOUNDER OF BINANCE

Collaboration and dialogue on the future of blockchain, digital finance and decentralized technologies with global impact.



H.S.H. PRINCE ALBERT II
PRINCE OF MONACO

Strong ties with the Princely House of Monaco to support initiatives in innovation, sustainability, culture and international cooperation.



MAYE MUSK
ENTREPRENEUR & AUTHOR

Shared vision on innovation, education and empowering the next generation of leaders in technology, health and sustainability.



VALENTINO LOFORESE
MAJORITY SHAREHOLDER AND
EXECUTIVE VICE PRESIDENT
R. ROCKEFELLER S.C.

Strategic partnership for strengthening institutional presence and expanding global influence across key sectors.



STRONGER CONNECTIONS.
GREATER IMPACT.

R. ROCKEFELLER. SC.

STRATEGIC RELATIONS. GLOBAL IMPACT. LASTING LEGACY.



BUILDING BRIDGES.
SHAPING TOMORROW.

International relations. A global network of trust, influence and vision: the strategic ties of the Group with world leaders, innovators and visionaries. His Serene Highness Prince Albert II of Monaco, with whom the Group maintains ties in support of initiatives in innovation,

sustainability, culture and international cooperation; Mr. Changpeng Zhao, founder of Binance, on the future of blockchain, digital finance and decentralised technologies; Ms. Maye Musk, entrepreneur and author, on innovation, education and the next generation

of leaders in technology, health and sustainability; and Mr. Valentino Loforese, Majority Shareholder and Chief Executive Officer of the Group.

Monte-Carlo: the Maria Callas Grand Prix.

The Group is Main Sponsor and Strategic Partner of the Maria Callas Monaco Gala & Awards, under the High Patronage of His Serene Highness Prince Albert II of Monaco. It is the most important international event on which the Group appears, and the one that carries its name into the room where the Mediterranean institutional world actually meets.

The Maria Callas Monaco Gala & Awards is one of the few evenings in Europe capable of bringing the whole ecosystem of the Principality into a single room: royal families, sovereign

wealth foundations, family offices, philanthropy, culture and diplomacy. It is held in the Salle Empire of the Hotel de Paris in Monte-Carlo, under the High Patronage of His Serene

Highness Prince Albert II of Monaco, and it reaches its sixth edition in April 2026. The Group participated in the last edition, in April, in the role it holds for the coming one.



MAIN SPONSOR & STRATEGIC PARTNER

Monte-Carlo is much more than a location: it is an institutional stage of prestige and influence, where culture, diplomacy and excellence come together.

 **INSTITUTIONAL PRESTIGE**
Under the High Patronage of His Serene Highness Prince Albert II of Monaco.

 **EUROPEAN CULTURAL SUMMIT**
A select circle of international decision-makers from culture, philanthropy, business and diplomacy.

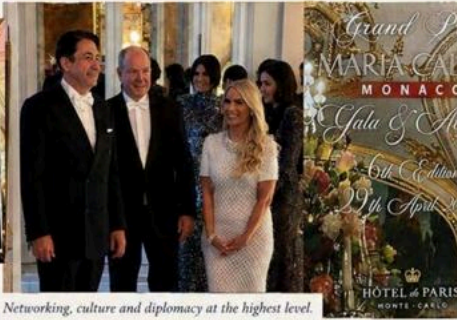
 **STRATEGIC VISIBILITY**
A unique opportunity to strengthen relationships, build alliances and enhance your global image.

 **EXCELLENCE & LEGACY**
The Maria Callas Grand Prix celebrates timeless talent, artistic excellence and the power of culture to unite.




Prestige, elegance and culture in the heart of Monte-Carlo.

H.S.H. Prince Albert II of Monaco with the Award.

A prestigious event under the Patronage of H.S.H. Prince Albert II of Monaco.

Networking, culture and diplomacy at the highest level.

 **WHEN**
April 29th, 2026

 **WHERE**
Salle Empire
Hôtel de Paris, Monte-Carlo

 **PATRONAGE**
H.S.H. Prince Albert II of Monaco

 **ROLE**
Main Sponsor & Strategic Partner

 **PARTNER**
Monaco Ambassadors Club
Finalization Partner

Main Sponsor and Strategic Partner. The position of the Group at the Maria Callas Grand Prix in Monte-Carlo, as it is presented to institutional counterparties:

The reason a technology platform sponsors an opera gala is worth stating plainly, because on the face of it the two have nothing to do with one another. Monte-Carlo is not a market for the Group and no contract has ever been signed in the Salle Empire. What the evening produces is the one thing an institutional platform cannot buy through a commercial channel: the presence of the counterparty in a setting where

institutional prestige under the High Patronage of the Sovereign Prince, a European cultural summit gathering a select circle of international decision makers,

he is not being sold to. Family offices, sovereign structures, cultural alliances and mandates built on trust are opened over an evening, not in a meeting room, and sponsorship at this level is therefore treated by the Group as a channel of institutional access rather than as a marketing expense.

The position is not a ticket. Main Sponsor and Strategic Partner is a contractual role with a defined

strategic visibility, and an event built on excellence and legacy.

perimeter, agreed with the organisers and finalised through the Monaco Ambassadors Club, and it carries the name and the emblem of the Group through the whole architecture of the evening: the official programme, the stage, the communications of the event and the guest perimeter that surrounds it. The terms are set out below in the form in which the Group records every institutional commitment in this volume.

THE SPONSORSHIP, IN ITS TERMS			
EVENT	Maria Callas Monaco Gala & Awards, Grand Prix, sixth edition	DATE	Wednesday 29 April 2026, 7.00 pm
VENUE	Salle Empire, Hotel de Paris, Monte-Carlo	PATRONAGE	Under the High Patronage of H.S.H. Prince Albert II of Monaco
ROLE OF THE GROUP	Main Sponsor and Strategic Partner	OPERATING PARTNER	Monaco Ambassadors Club, finalisation partner
DRESS CODE	White tie		

THE DOUBLE PAGE IN THE OFFICIAL PROGRAMME

Of everything the position produces, one artefact matters more than the rest, and it is the reason the Group treats this relationship as strategic rather than promotional. The official programme of the gala, which is

placed on every table in the Salle Empire and remains with the guests afterwards, reserves a double page to The Rob Rockefeller S.C. under the heading Sponsor and Partner. It is not an advertisement in the ordinary

sense. It is the only place in this whole volume where the Group has had to say who it is in two pages, in front of an audience that had not asked, and it chose to say it in the terms reproduced on the next page.

DIMENSION	WHAT IT MEANS FOR THE GROUP
Institutional prestige	The event is held under the High Patronage of the Sovereign Prince. A position as Main Sponsor is, in the Principality, a statement about the standing of the counterparty that no commercial channel can produce.
A European cultural summit	A select circle of international decision makers from culture, philanthropy, business and diplomacy, in a setting where they are present for the evening and not for a meeting.
Strategic visibility	The name, the emblem and the doctrine of the Group presented in the official programme and on the stage of the evening, to an audience that includes the family offices and sovereign structures described in Part Eleven.
Excellence and legacy	The Grand Prix celebrates timeless talent and artistic excellence. The association is deliberate: a platform that asks institutions to think in decades presents itself alongside a legacy that has lasted.



The Group inside the official programme. The double page reserved to The Rob Rockefeller S.C., under the heading Sponsor and Partner, on the tables of the Salle Empire.



Salle Empire, Hotel de Paris, Monte-Carlo. The evening of the fifth edition.

Salle Empire, Hotel de Paris, Monte-Carlo.

On the left the identity: an American company operating globally, structured across five continents, with branches in Europe, Asia, Africa, the Middle East and the United States, working in artificial intelligence, cyber security, environmental sustainability and scientific research, and developing

next generation green energy and decarbonisation solutions through an international network of technological and research hubs.

On the right the conviction: that artificial intelligence can help humanity become freer by giving people back the most valuable

resource of all, the time of their own lives, and that this belongs inside a future built on environmental responsibility and sustainable energy, where innovation progresses in harmony with nature. Between the two sit the AURYNTHEON emblem and the cyber security alliance.

WHAT THE POSITION PRODUCES, AND WHAT IT DOES NOT

The Group is deliberate about the difference between visibility and access, and it separates the two here because the rest of this volume depends on the distinction. Four things follow from a position of this kind, and none of them is a contract. They are set out in the table on the

preceding page: institutional prestige, a European cultural summit, strategic visibility, and an association with excellence and legacy.

What none of them is, and the Group says it in the same breath, is a commercial channel. Nothing has

been sold in the Salle Empire and nothing was ever meant to be. The value of the position is that it places the name of the Group in front of an audience that would not have received a commercial approach, in a setting where none was made.

THE EVENING OF THE LAST EDITION

The evening of the last edition is documented below. The Sovereign Prince received the delegation of the Group in the Salle Empire, with the Chief Executive Officer and the

General Director for institutional relations in the Principality, and the photograph is reproduced for the same reason the Group reproduces a certificate rather than describing it:

an institutional presence that cannot be shown has to be taken on trust, and this volume asks to be taken on evidence instead.



Exh. 30.A Sixth Edition of the Maria Callas Grand Prix · Salle Empire, Hôtel de Paris, Monte-Carlo · April 29th, 2026 · Under the High Patronage of HSH Prince Albert II of Monaco.

Exh. 30.A Sixth Edition of the Maria Callas Grand Prix · Salle Empire, Hôtel de Paris, Monte-Carlo · April 29th, 2026 · Under the High Patronage of HSH Prince Albert II of Monaco.

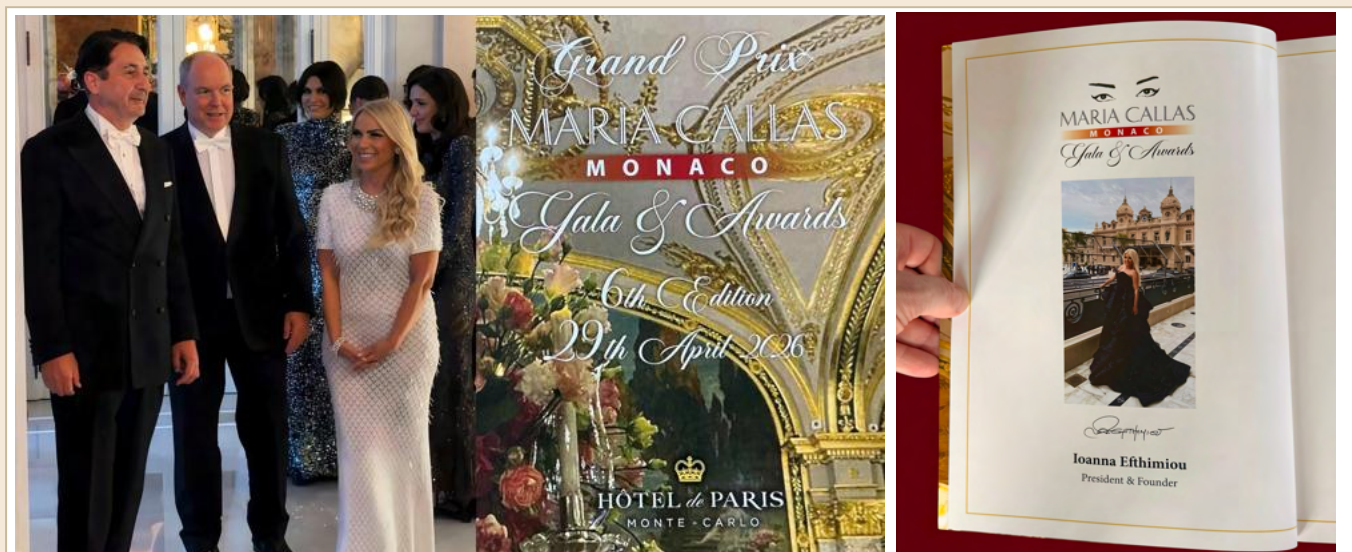
§ 30.1 RRSC AS MAIN SPONSOR & STRATEGIC PARTNER.

Main Sponsor & Strategic Partner of the Maria Callas Grand Prix in Monte-Carlo, one of the most prestigious cultural events in Monaco. A central positioning that offers exclusive access to cooperation and is reserved for a select perimeter of key international decision-makers.

Monte-Carlo is the place where European royal families, sovereign-wealth foundations and leading global institutions come together. The Grand Prix is one of the few events capable of bringing this ecosystem together in one evening, in a unique setting.

Sponsorship is a strategic, non-episodic decision. Monte-Carlo is the ideal setting for high-level, long-term conversations: family offices, sustainability, cultural alliances and trust-based mandates.

The Sixth Edition will be held on April 29th, 2026 at Salle Empire, Hôtel de Paris, Monte-Carlo, under the High Patronage of HSH Prince Albert II of Monaco. RRSC as Main Sponsor & Strategic Partner; Monaco Ambassadors Club as finalization partner.



The official programme on the tables of the Salle Empire, sixth edition.

The sixth edition follows the same architecture, and the Group holds the same role in it. The official invitation states the terms of the evening: the High Patronage of the Sovereign

Prince, the date and the hour, the Salle Empire of the Hotel de Paris, and a white tie dress code that is itself a description of the perimeter of guests. Invitations of this class are

The official invitation. The High Patronage of the Sovereign Prince, the date and the hour, the Salle Empire of the Hotel de Paris, and a white tie dress code.

not distributed; they are issued, and the list on which they are issued is the reason the Group is present.

INTERNATIONAL EVENTS AND MARKETING

The international events.

First, the forum the Group convened itself. Then, the platforms at which it was received at the highest level. The order is deliberate: what an organisation can call into being says more about it than where it is admitted, and the Group opens this record with the room it built.



Convened by the Group. The North Africa Oil and Gas Forum on Decarbonization, UTICA headquarters, Tunis, 22 January 2025.

Attended at the highest level. The Annual Meeting of the World Economic Forum, Davos, three consecutive editions.

SECTION	THE RECORD
16.3 · Convened by the Group	The North Africa Oil and Gas Forum on Decarbonization, Tunis, 22 January 2025. Convened with Inside ESG, with the Ministry of Industry, Mines and Energy of Tunisia, ETAP, STEG, ANME, ATPG, the Tunisia Energy Society, and Libya as guest country of honour.
16.4 · The World Economic Forum	Davos 2024, 2025 and 2026: the venues, the sessions and the roundtables, and the alliance announced at the 2026 edition.
16.5 · Bloomberg Green	The delegate accreditation and the Bloomberg programme in Seattle, London and Davos.
16.6 · The United Nations climate conference	COP28, COP29 and COP30 as a Bloomberg Green delegate, including the Catastrophe Scenario Simulation in Sao Paulo.
16.7 · The Wall Street Journal	Journal House in Singapore, the Future of Everything Festival in New York, and Journal House at Davos, with Barron's and Blackstone.
16.8 · Defence and dual use	Eurosatory 2026 in Paris and IDEF 2025 in Istanbul, for the artificial intelligence software the Group produces.
16.9 · The wider calendar	The sectoral summits of the Gulf, Asia, Europe, Africa and the Americas.
16.10 · Institutional and academic	Washington: Cambridge Judge Business School Executive Education.

Forty five engagements documented between March 2023 and July 2026. One convened, the rest attended, and the distinction is kept visible throughout the record.

16.3 · INTERNATIONAL EVENTS AND MARKETING

Tunis: a forum convened by the Group. CONVENED

At the forums and exhibitions that fill the rest of this record the Group is a guest. In Tunis it was the convener. The distinction is the reason this page exists, because convening a room that contains a ministry and a national oil company is a different claim from attending a conference.

On 22 January 2025, in the Salle Dougga at the headquarters of UTICA in Tunis, The Rob Rockefeller Standard Carbon convened the forum North Africa Oil and Gas: Introducing Decarbonization for a Sustainable Future, in partnership with Inside ESG. The stage carried the Tunisian national flag, the UTICA standard and the standard of the Group.

The Tunisian Ministry of Industry, Mines and Energy took part, with the national oil company ETAP, the national electricity and gas utility STEG, the energy agency ANME, the association ATPG and the Tunisia Energy Society.

Libya attended as guest country of honour, with the chairman of its study committee for energy enhancement and carbon neutrality investment speaking from the podium.

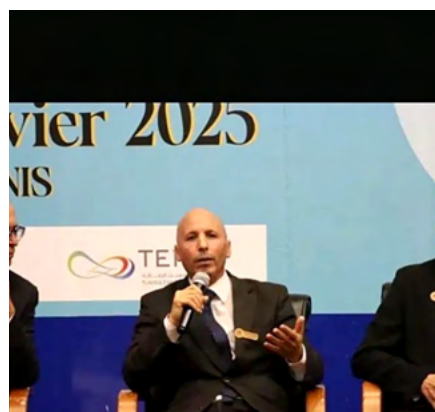
The programme ran to four panels, one keynote and three technical workshops, from the state of play of Tunisian decarbonisation to methane emissions in gas transport, carbon credit insurance and the conversion of flare to power. It was delivered on the ground by the Tunisian branch of the Group, under the supervision of the Chief Executive Officer.



Mahe Khedher, Moderator.



Houssein Faraj El-Shtewi, Chairman, Study Committee for Energy Enhancement and Carbon Neutrality Investment, Ministry of Industry and Minerals, Libya.



Moncef Limam, Director General, Inside ESG.
Houssein Faraj El-Shtewi. Lassaad Kedimi, Chief Executive Officer, RRSC Tunisia.



Nabil Smida, President, ATPG.



Hichem Mansour, President, Tunisia Energy Society.



Hajer Chekir, Sales Manager, BYD Tunisia.



Oussama Ahmed Snoussi, Director of the Environment, Misrata steelworks, Libya.

Libya attended as guest country of honour. The chairman of its study committee for energy enhancement and carbon neutrality investment spoke from a podium that carried the standard of the Group beside the Tunisian national flag.

THE FORUM, IN ITS TERMS

EVENT	North Africa Oil and Gas: Introducing Decarbonization for a Sustainable Future
DATE AND VENUE	22 January 2025, Salle Dougga, UTICA headquarters, Tunis
ROLE OF THE GROUP	Convener, in partnership with Inside ESG
GUEST COUNTRY OF HONOUR	Libya
PROGRAMME	Four panels, one keynote, three technical workshops
DELIVERED BY	RRSC Tunisia, under the supervision of the Chief Executive Officer



The standards of the Group at the forum, Tunis.



North Africa Oil and Gas Forum, UTICA headquarters, Tunis.



North Africa Oil and Gas Forum, UTICA headquarters, Tunis.

THE INSTITUTIONS IN THE ROOM

INSTITUTION	REPRESENTED AT THE FORUM BY
Ministry of Industry, Mines and Energy	Fatma Thabet Chiboub
ETAP	Dalila Bouattour, Chief Executive Officer
ATPG	Nabil Smida, President
Tunisia Energy Society	Hichem Mansour, President
STEG	Mahrane Khalfoun, Head of Department, Technology Control Directorate. Hiba Hmila, Head of Service, Gas Transport Bases Assistance Department
Natural Resource Governance Institute	Laury Haytayan, President MENA
Ministry of Industry and Minerals, Libya	Houssein Faraj El-Shtewi, Chairman of the Study Committee for Energy Enhancement and Carbon Neutrality Investment
Misrata steelworks, Libya	Oussama Ahmed Snoussi, Director of the Environment
BYD Tunisia	Hajer Chekir, Sales Manager
Inside ESG	Moncef Limam, Director General

16.4 · INTERNATIONAL EVENTS AND MARKETING

Davos: the World Economic Forum.

The Group has been present at the Annual Meeting of the World Economic Forum in Davos for three consecutive editions. What that presence consists of is set out here in the only terms that can be verified: the venues entered, the accreditations held, and the counterparts met.

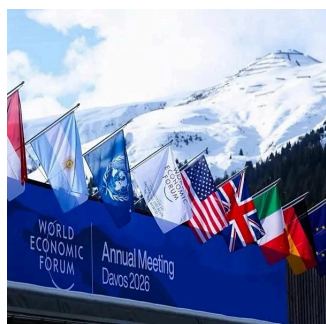
Davos is not a conference. It is the week in which the leadership of global finance, industry and government converges on a single valley, and access to its private venues is the practical measure of whether an organisation is treated as a counterpart or as an observer.

The Group states the distinction plainly, as it does elsewhere in this volume. A badge is not a mandate. What institutional presence produces is access: the ability to present a

technology directly to the institution that decides, at the level at which it decides.

Across 2024, 2025 and 2026 the Group was received inside Bloomberg House, Axios House, AI House Davos, Qatar House and the USA House Delegate Lounge, took part in the CNBC programme at The Sanctuary and in FT Live at Davos, and held working discussions in the Saudi House and NEOM environment.

The 2026 edition, held in Davos Klosters from 19 to 23 January, produced the most concrete outcome of the three. The Group presented AURYNTHEON across the Davos venues, and the strategic partnership with SecurityScorecard was publicly confirmed in Davos by its Chief Executive Officer, in the terms reproduced at the close of this section.



World Economic Forum Annual Meeting Davos 2026.



Valentino Loforese, Chief Executive Officer and Majority Shareholder. Position at the time of the event: Executive Vice President.



USA House Davos 2026, Delegate Lounge, Freedom 250 programme.



USA House Davos 2026.

Three consecutive editions is the fact the Group asks to be read. A single appearance at Davos is a purchase. A presence sustained across three years, inside venues that reissue their invitations each January, is a relationship.

THE COUNTERPARTS OF THE 2025 AND 2026 EDITIONS

COUNTERPART	POSITION AND INSTITUTION
Aleksandr Yampolskiy	Chief Executive Officer, SecurityScorecard
Alex Panas	Senior Partner, McKinsey & Company
Lilli Gruber	Journalist
Senior figures of Microsoft	Advanced artificial intelligence systems, AI House Davos, 2026
JAMBAA Lkhagva	Managing Director, National Energy Reform Committee, Government of Mongolia
Manik Shaw	Vice President, Global South Asia Private Banking, Bank of Singapore

THREE EDITIONS, IN THE TERMS IN WHICH THEY CAN BE VERIFIED

DAVOS, EDITION BY EDITION	
DAVOS 2026	19 to 23 January, Davos Klosters. Bloomberg House Davos, 19 to 22 January. Axios House Davos. AI House Davos. FT Live at Davos in partnership with Invest Qatar, hosted at Qatar House. USA House Davos 2026, Delegate Lounge, Freedom 250 programme.
DAVOS 2025	21 to 24 January. CNBC at Davos 2025, The Sanctuary, hosted by NBCUniversal, and The Stagwell Clubhouse at the Sanctuary, on a guest accreditation. Saudi House and the NEOM programme. Reserved seating at the Open Forum.
DAVOS 2024	Bloomberg House. The private event of The Wall Street Journal and Barron's. The Open Forum.



FT Live at Davos in partnership with Invest Qatar. Panel: Language, Identity and Intelligence, Building Inclusive AI. (2026)



Lilli Gruber, Journalist(2026).



CNBC at Davos 2025, The Sanctuary, hosted by NBCUniversal.



CNBC Davos 2025, The Stagwell Clubhouse at the Sanctuary. Guest accreditation, 21 to 24 January 2025.



World Economic Forum, Davos Klosters, 2026.



USA House Davos 2026, Delegate Lounge.

The Group records the venue and not the formula: the 2025 accreditation was issued to The Sanctuary and The Stagwell Clubhouse, private venues on the Promenade, and it is described here as such.

The three editions are not interchangeable. In 2024 the Group was a guest of the private houses. In 2025 it held a broadcast accreditation and worked the sovereign venues. In 2026 it arrived with a technology to present and left with a partnership announced from the other side of the table.

That progression is the only argument this part makes about Davos, and it is made in the order in which it happened.

THE ROOMS, THE SESSIONS AND THE ROUNDTABLES

The Group has not attended Davos as a spectator, and this page records the work. Across the three editions it took part in the sessions and roundtables of the private houses, presented AURYNTHEON across the

Davos venues, and held the working discussions listed below in the rooms in which they took place.

The list is reproduced in the terms of the accreditations and the

programmes, because a roundtable named by its venue and its subject can be checked, and one described in general terms cannot.

ROOM AND PROGRAMME	EDITION, SUBJECT AND WORK
Bloomberg House Davos	2024 and 2026. Sessions across the Forum week: in 2024 with Mark Carney and Akshat Rathi; in 2026 four days of programming, 19 to 22 January, including the session with H.E. Dr. Sobeeh A. A. Almurkhaizim, Minister of Finance and Minister of State for Economic Affairs and Investment of Kuwait, and Anthony Gutman, Co-Chief Executive Officer of Goldman Sachs International. The house is documented on the page that follows.
FT Live at Davos, Qatar House	2026. In partnership with Invest Qatar. Panel: Language, Identity and Intelligence, Building Inclusive AI.
AI House Davos	2026. Roundtables on the deployment of advanced artificial intelligence systems, including working exchanges with senior Microsoft figures.
Axios House Davos	2026. Editorial sessions of the Axios newsroom across the Forum week.
USA House Davos	2026. Delegate Lounge, Freedom 250 programme. Meetings with United States counterparts on the 2026 agenda.
CNBC at Davos, The Sanctuary	2025. Interactive sessions with the scheduled guests of the broadcaster, hosted by NBCUniversal, with The Stagwell Clubhouse at the Sanctuary, 21 to 24 January.
Saudi House and NEOM	2025. Working discussions on the financing and the industrial architecture of the Kingdom's decarbonisation programme.
Open Forum	2024 and 2025. Reserved seating at the public programme of the Annual Meeting.



The invitations of the 2026 edition. Bloomberg House Davos, 19 to 22 January. FT Live at Davos, 19 to 23 January. Axios House Davos. USA House Davos 2026.

USA House Davos 2026, Delegate Lounge.

Eight rooms across three editions, each one named with its programme. This is the record the Group means when it says it worked the Forum rather than attended it.

BLOOMBERG HOUSE DAVOS

Bloomberg House stands on Davos Platz for the week of the Annual Meeting, and the Group has been received in it in 2024 and in 2026. The house is the room in which Bloomberg concentrates its Davos programming: a broadcast studio, a

stage, and a floor on which the sessions run through the day.

One session of the 2026 edition is documented here in its own terms, from the speakers board of the house: H.E. Dr. Sobeeh A. A. Almkhaizim, Minister of Finance and Minister of State for Economic Affairs and

Investment of Kuwait, in conversation with Anthony Gutman, Co-Chief Executive Officer of Goldman Sachs International. In the same edition the Group held the exchange with Lilli Gruber, journalist and former Member of the European Parliament, in the audience of the house.



Bloomberg House, Davos Platz. The house of the 2024 and 2026 editions.



The session. H.E. Dr. Sobeeh A. A. Almkhaizim, Minister of Finance and Minister of State for Economic Affairs and Investment, Kuwait, with Anthony Gutman, Co-Chief Executive Officer, Goldman Sachs International. Bloomberg House Davos 2026.



Valentino Loforese, The Rob Rockefeller S.C., in the studio of Bloomberg House Davos.



The stage of Bloomberg House Davos.



Lilli Gruber, Journalist, former Member of the European Parliament, with Valentino Loforese. Bloomberg House Davos 2026.

THE ALLIANCE ANNOUNCED AT DAVOS 2026

The outcome of the 2026 edition is recorded here, in the part that describes the event at which it happened. The plate reproduces the announcement as it was made publicly, by the counterparty.



Aleksandr Yampolskiy · 1st
CEO; Cybersecurity expert ; Angel Investor; Entrepren...
5h · 🌐

Love seeing these insights from Davos on AI and Security from our good friends at **The Rob Rockefeller S. C.** (**Valentino Loforese**) is a strategic partner to **SecurityScorecard** .
#davos #wef #wef26



Valentino Loforese · You
Executive Vice President / Majority Shareholder of th...
22h · 🌐

Day 2 at the **World Economic Forum** annual meeting Davos 2026 🌐👁

...more





ALEKSANDR YAMPOLSKIY
FOUNDER & CEO OF SECURITYSCORECARD
Cybersecurity Expert · Angel Investor · Entrepreneur

A recognized global leader in cybersecurity, frequently invited to share insights on international media and global platforms.

**SecurityScorecard**

The global leader in cybersecurity ratings, third-party risk intelligence and AI-powered cyber risk management.





Recognition. The alliance with the global leader in cyber security ratings as it has been presented publicly, with the founder of the counterparty.

Aleksandr Yampolskiy, Founder and Chief Executive Officer, SecurityScorecard.

Davos 2026. The announcement and the international visibility that followed it.

SECURITYSCORECARD, AT A GLANCE	
FOUNDED	2013
HEADQUARTERS	New York, United States
SCALE	500+ employees, 10,000+ client organisations, global presence
POSITION	Cyber security ratings, third party risk intelligence, AI powered cyber risk management. The Group acts as global representation partner, non exclusive.

The Group applies to this announcement the same limit it applies to everything else in this part. A public acknowledgement is not a contract, and a strategic partnership described from a stage is worth what the work that follows it is worth.

What is recorded is what can be verified: the founder and Chief Executive Officer of SecurityScorecard publicly recognised The Rob Rockefeller S.C. as a strategic partner, from Davos, during the Annual Meeting, and the

recognition was reciprocated in the same terms.

The commercial architecture of the relationship is described in the part of this volume that deals with cyber security, not here. This part records where the announcement was made, and by whom.

R. ROCKEFELLER S.C.

Part Sixteen · Institutional presence, international events and marketing

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16.5 · INTERNATIONAL EVENTS AND MARKETING

Bloomberg Green.

Bloomberg Green is the platform on which climate finance is discussed by the people who deploy it. Its delegate accreditation is issued to organisations judged to be operating inside the carbon and energy transition markets rather than commenting on them. The Group has held it continuously since 2023.

The accreditation is the instrument that carries the Group into the private programming of the United Nations climate conference, which is described in the section that follows this one. It also opens the Bloomberg programme outside the conference cycle, which is the subject of this page.

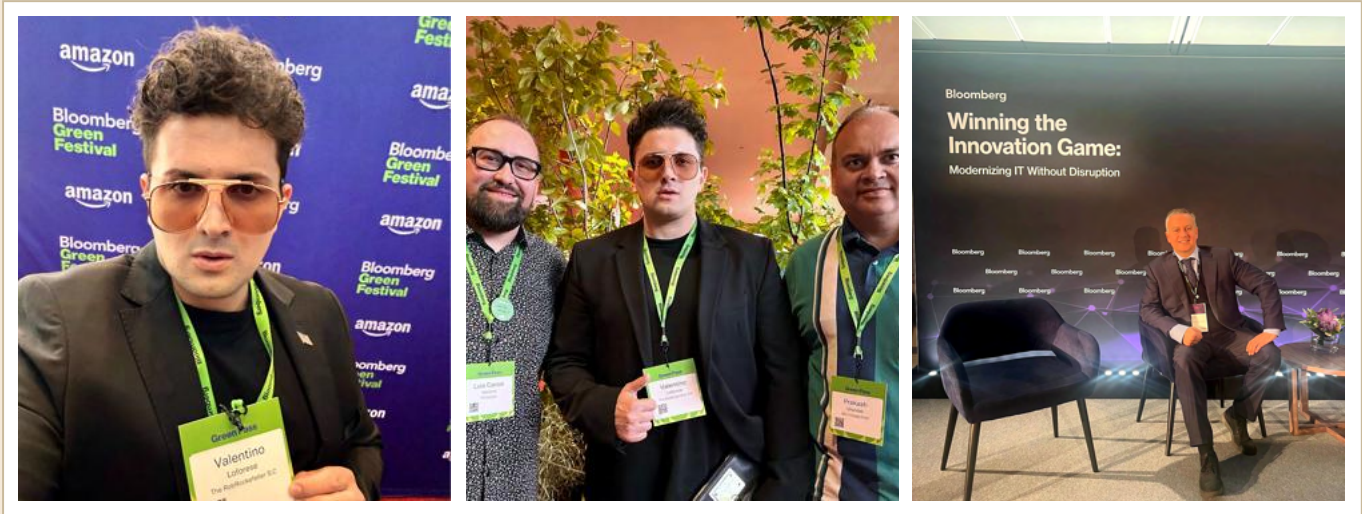
At the Bloomberg Green Festival in Seattle, in July 2024, the Group took part in three days of programming alongside counterparts from

Goldman Sachs, Terrascope and the SFV Climate Fund, on carbon accounting, on the measurement of corporate emissions and on the financing of removal technologies.

In London the Group has been present twice: at the Bloomberg Sustainable Business Summit in June 2023, and at Winning the Innovation Game, a Bloomberg executive gathering for the Europe, Middle East and Africa region, in November 2024. The second was attended for the

Group by its President for Financial and Contractual Affairs, which is recorded here because this volume states who was in the room and in what capacity.

At Davos the Bloomberg presence takes the form of Bloomberg House, where the Group has been received in 2024 and 2026, and which is described in the Davos section of this part.



Bloomberg Green Festival, Seattle, July 2024.

Luis Carlos Vizcaino, Strategic Account Executive, Terrascope, and Prakash Chandak.

Federico Foscale, President for Financial and Contractual Affairs, The Rob Rockefeller Standard Carbon. Bloomberg, Winning the Innovation Game, London, 14 November 2024.

THE BLOOMBERG PROGRAMME, OUTSIDE THE CONFERENCE CYCLE	
SEATTLE, JULY 2024	Bloomberg Green Festival. Three days of programming on carbon accounting, corporate emissions and removal finance.
LONDON, JUNE 2023	Bloomberg Sustainable Business Summit.
LONDON, NOVEMBER 2024	Winning the Innovation Game, Bloomberg executive gathering for Europe, the Middle East and Africa, sponsored by Rocket Software.
DAVOS, 2024 AND 2026	Bloomberg House, on the margins of the Annual Meeting of the World Economic Forum.

16.6 · INTERNATIONAL EVENTS AND MARKETING

The United Nations climate conference.

The Conference of the Parties is the only forum in which the rules of the carbon market are actually written. For a company whose core business is carbon standards, presence at the COP is not communication. It is proximity to the regulator.

The Group follows three files at the conference, and it follows them because each one determines the value of every credit its standard certifies. The first is Article 6 of the Paris Agreement, which governs how emission reductions are transferred between states and how the corresponding units are accounted for. The second is the integrity of the voluntary carbon market: what counts as a removal, what counts as an avoidance, and what a tonne has to demonstrate before it can be sold twice over. The third is transition

finance in emerging economies, which is where the Group operates.

The Group attends as a delegate of Bloomberg Green, which admits it to the private programming that runs in parallel with the negotiation and that gathers, in a smaller room, the institutions that will have to finance whatever the negotiation produces.

The delegate record of the Group runs from COP27 through COP30. The three most recent editions are documented below and on the following page.

The distinction the Group applies to Davos applies here too, and more strictly. A delegate badge at a climate conference confers no standing in the negotiation and no influence over its text. What it confers is the ability to be in the private programme where the institutions that will finance the transition talk to each other about what they are actually prepared to underwrite, which is a different conversation from the one held in the plenary.



Bloomberg Green at COP30, 4 November 2025, Sao Paulo.



Jamey Mulligan, Head of Carbon Neutralization Science and Strategy, Amazon.



Bloomberg Catastrophe Scenario Simulation, COP30 Business and Finance Forum.



Delegate accreditation, Bloomberg Green at COP30.

Three files, one room. Article 6 decides whether a transferred tonne can be counted twice. Market integrity decides what a tonne has to prove before it is sold at all. Transition finance decides who pays for the reduction in the countries where the Group builds. A carbon standard that is absent from that room is certifying against rules it has only read about afterwards.

COP30, BRAZIL, 2025

At Bloomberg Green at COP30, held in Sao Paulo on 4 November 2025 ahead of the conference in Belem, the Group took part in the Bloomberg Catastrophe Scenario Simulation: a closed door exercise in which participants are given a climate scenario and asked what it does to the balance sheets they are responsible for. The scenario was the collapse of the Amazon system and

its transmission into hydropower, agriculture and sovereign credit.

The exercise was worked alongside James Close of NatWest, formerly of the World Bank, Chikako Matsumoto, sustainability officer at Sumitomo Mitsui Trust Bank, Tomas Gomez of Environment Bank on biodiversity markets, and Felipe Leonato of Aon on sustainable finance. The Group also held a working exchange with Jamey Mulligan, Head of Carbon

Neutralization Science and Strategy at Amazon.

The value of an exercise of this kind, for a carbon standard, is that it forces the question the market usually avoids. If the sink itself becomes unreliable, what happens to every instrument written against it. That question sits directly upstream of the work described in the geographic parts of this volume.

THE DELEGATE RECORD, EDITION BY EDITION	
COP30, 2025	Brazil. Bloomberg Green delegate. Sao Paulo, 4 November, Business and Finance Forum and the Catastrophe Scenario Simulation on the Amazon system.
COP29, 2024	Baku, Azerbaijan. Bloomberg Green delegate. Two days of coverage including Bloomberg Finance Day.
COP28, 2023	United Arab Emirates. Bloomberg Green delegate, including the meeting with John Kerry, United States Special Presidential Envoy for Climate.
COP27	The first edition of the current delegate record, as stated at the opening of this part.



Bloomberg Green at COP30. The Catastrophe Scenario Simulation, Sao Paulo, 4 November 2025.

COP29, Baku, Azerbaijan, November 2024. Bloomberg accreditation.

The Group makes no claim about the outcome of a negotiation it does not conduct. What it records is where it was standing while the negotiation ran, and which institutions it was standing with. Four consecutive cycles of that record is the claim, and the claim is deliberately modest.

16.7 · INTERNATIONAL EVENTS AND MARKETING

The Wall Street Journal.

The Wall Street Journal runs a small number of closed programmes reserved for executives its editorial teams consider relevant to the industries they cover. Attendance is by invitation and the rooms are kept deliberately small. The Group has been part of three of them.

The first is Journal House, the programme the newspaper runs in a short list of cities: Davos, Barcelona, Cannes, Singapore, New York and Dubai. The Group has been present in three of those six: Singapore, New York and Davos. It appears in the programme under its own name, The Rob Rockefeller S.C., and that is the point of the entry. An executive can be invited anywhere. A company

name printed in the programme of a closed editorial house is a different order of thing, and it is the reason this section exists.

The Singapore edition, in September 2024, was attended by the Chief Executive Officer of the Group, accompanied by the World Carbon Project Development Manager. The accreditation, reproduced below, was issued in the name of the Group.

The Singapore participation is the one entry in this part that produced a stated commercial result rather than a relationship. It laid the foundation of the strategic partnership of the Group in India and in Kazakhstan, two jurisdictions in which the work that followed is described in the geographic parts of this volume.



Journal House, Singapore, September 2024. The session of the programme of The Wall Street Journal, from the delegate seats, accreditation in hand.



The accreditation. Valentino Loforese, The Rob Rockefeller S.C. Journal House, Singapore 2024.

The accreditation is issued to the person, and it carries the name of the Group. The programme of a closed editorial house listing that name is the entry this section records.

THE FUTURE OF EVERYTHING FESTIVAL, NEW YORK

The second programme is the Future of Everything Festival, held by the newspaper in New York in May 2024, across two days of programming on technology, energy and capital. The accreditation, reproduced below, was

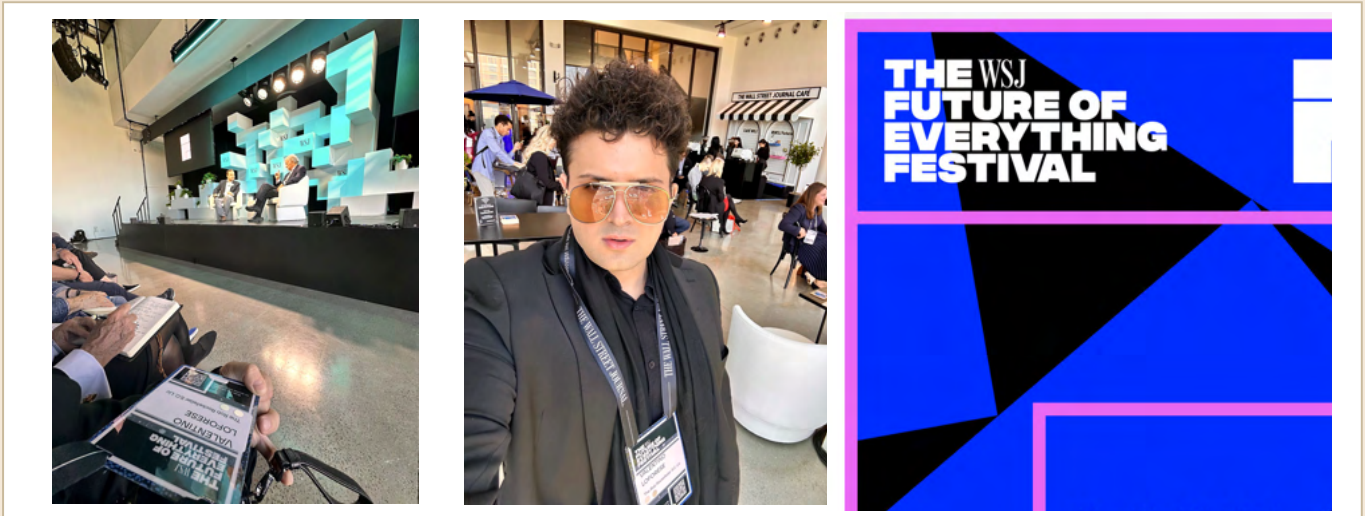
issued in the name of the Group, The Rob Rockefeller S.C. LLC.

The Group followed the sessions from the delegate seats, including The Future of Business with Chuck Robbins, Chair and Chief Executive Officer of Cisco, and worked the two days from the Wall Street Journal Cafe, the working space the newspaper builds inside the Festival for its guests.



The Future of Business. Chuck Robbins, Chair and Chief Executive Officer, Cisco, on the stage of the Festival, from the delegate seats, accreditation in hand.

Valentino Loforese, The Rob Rockefeller S.C., at the Festival. On the stage set, the mark of the newspaper.



The Festival stage, from the delegate seats.

The Wall Street Journal Cafe, the working space of the Festival.

JOURNAL HOUSE AT THE WORLD ECONOMIC FORUM, DAVOS

The third programme is Journal House at the World Economic Forum, run by the newspaper with Barron's at the Hotel Belvedere, Promenade 89, Davos, during the Annual Meeting of January 2024. The welcome letter, reproduced below, was issued in the

name of Valentino Loforese, and the board of the house carries the network of the programme: Davos, Barcelona, Cannes, Singapore, New York, Dubai.

Two exchanges from that house are documented here. The first with

Stephen A. Schwarzman, Chairman, Chief Executive Officer and Co-Founder of Blackstone. The second with the leadership of Barron's: Andy Serwer, Editor at Large, and David Cho, Editor in Chief.



Barron's at Journal House, Davos. Andy Serwer, Editor at Large, Barron's, and David Cho, Editor in Chief, Barron's, with Valentino Loforese.



Stephen A. Schwarzman, Chairman, Chief Executive Officer and Co-Founder, Blackstone, with Valentino Loforese. Davos, January 2024.



Journal House, Davos. The entrance of the house at the Hotel Belvedere. On the board, the network of the programme: Davos, Barcelona, Cannes, Singapore, New York, Dubai.



Dear Valentino,
We are delighted to welcome you.

Journal House at the World Economic Forum
Journal House
Hotel Belvedere, Promenade 89, 7270, Davos,
Switzerland
Name: Valentino Loforese

The invitation. Journal House at the World Economic Forum, Hotel Belvedere, Promenade 89, Davos. Name: Valentino Loforese.

SINGAPORE, NEW YORK, DAVOS

The record of the three programmes is set out below. In Davos the house produced the exchange with Stephen A. Schwarzman and with the leadership of Barron’s, documented on the preceding page.

An invitation to a closed editorial programme is not an endorsement by the publication that issues it. What it produces is the room, and in Singapore the room produced two jurisdictions.

THE THREE PROGRAMMES	
JOURNAL HOUSE, SINGAPORE	September 2024. Executive participation under the name The Rob Rockefeller S.C. Outcome: the foundation of the strategic partnership of the Group in India and Kazakhstan.
FUTURE OF EVERYTHING, NEW YORK	May 2024. Two days of programming on technology, energy and capital.
DAVOS, JANUARY 2024	Journal House at the World Economic Forum, Hotel Belvedere, with Barron’s. Exchanges with Stephen A. Schwarzman, Chairman, Chief Executive Officer and Co-Founder of Blackstone, and with the leadership of Barron’s.



Journal House, Singapore. Valentino Loforese, The Rob Rockefeller S.C., at the entrance of the programme, September 2024.

Journal House, Singapore. The Wall Street Journal installation at the entrance of the house.

WHY THIS SECTION IS SHORT, AND WHY IT IS HERE

Four entries across three cities is a small record beside the Davos one, and the most recent dates from September 2024. The Group states that plainly rather than padding the section.

It is kept as a section of its own for one reason. Of everything documented in this part, the Journal House participation is the only entry that the Group can follow from a room to a jurisdiction, and a record

that can do that once is worth more than a record that cannot do it at all. The programme of the coming cycle is set out in the marketing plan of the Group, and a return to the Journal House network is part of it.

16.8 · INTERNATIONAL EVENTS AND MARKETING

Eurosatory: defence and dual use.

The Group is present at the two largest defence exhibitions in its geography for one reason, and it is a commercial one. It produces artificial intelligence software, and the defence sector is a market for that production. Eurosatory and IDEF are where the requirement is specified and where the industry that will buy the software is in one building.

What the Group brings to these exhibitions is its own production: artificial intelligence software for defence and security operations, autonomous systems and advanced cyber security, predictive analytics and decision support platforms, and the protection of critical infrastructure. These are not four subjects the Group follows. They are the four lines of a software offer that already exists, built by the engineering centres described in the geographic parts of this volume, and

the exhibitions are where that offer meets the specification it has to satisfy.

The 2026 edition of Eurosatory ran in Paris from 15 to 19 June, organised by COGES Events for GICAT. The Group was present with an accreditation issued in the name of R. Rockefeller S.C., sponsored by Aselsan, the Turkish defence electronics group, which is a counterpart of the Group in the country where it operates its technology and engineering centre.

The Group states the limit here as it states it everywhere else in this part, because the subject invites the opposite reading. Standing inside a national pavilion is not a relationship with that government, and an exhibition badge confers no clearance and no contract. What the exhibition produces is the specification, and for a company that writes software the specification is the thing worth travelling for.



Eurosatory 2026, Paris. United States Department of War, Security Cooperation pavilion.



United States Department of War, Security Cooperation. Security through global partnerships.



USA Security and Defense Pavilion, Association of the United States Army.



Department of War, Security Cooperation. Defense trade and arms transfers, defense institution building, international education and training, humanitarian assistance and disaster relief.



Accreditation. Eurosatory 2026, Paris, 15 to 19 June. R. Rockefeller S.C., Valentino Loforese, Executive Vice President, Italy. Sponsored by Aselsan.

IDEF 2025, ISTANBUL

The International Defence Industry Fair is the Turkish exhibition, and for the Group it is the closer of the two: Türkiye is where it operates its technology and engineering centre, and where the software it produces is written.

The Group was present at IDEF 2025 in Istanbul, from 22 to 27 July 2025, with an accreditation issued in the name of The Rob Rockefeller S.C. LLC and a lanyard of Roketsan, the Turkish missile and rocket producer.

The subject the Group brought to the fair is the one it produces: artificial intelligence, robotics and cyber

security at the core of defence innovation. The stands worked were those of the Turkish prime contractors, including Roketsan and its Sungur air defence missile system, and the exchange concerned where a software layer of the kind the Group builds sits inside a platform of that class.

On 23 July the Group attended the United States and Türkiye Defense and Aerospace Breakfast Briefing in Istanbul, held with Lockheed Martin and Kale Aero: the room in which the industrial relationship between the two countries is discussed by the companies that carry it.



IDEF 2025, Istanbul, 22 to 27 July 2025.

Roketsan stand. Sungur air defence missile system.

Accreditation. IDEF 2025, Istanbul. Valentino Loforese, The Rob Rockefeller S.C. LLC, Executive Vice President, 22 to 27 July 2025.



United States and Türkiye Defense and Aerospace Breakfast Briefing, 23 July 2025, Istanbul, with Lockheed Martin and Kale Aero.

DEFENCE AND DUAL USE, THE RECORD

TWO EXHIBITIONS, ONE PRODUCTION

EUROSATORY 2026

Paris, 15 to 19 June 2026. Land and airland defence and security. Accreditation in the name of R. Rockefeller S.C., sponsored by Aselsan.

IDEF 2025

Istanbul, 22 to 27 July 2025. Artificial intelligence, robotics and cyber security. Roketsan and the Turkish prime contractors. United States and Turkiye Defense and Aerospace Breakfast Briefing, 23 July, with Lockheed Martin and Kale Aero.

16.9 · INTERNATIONAL EVENTS AND MARKETING

The wider calendar.

Alongside the platforms described in this part, the Group maintains a working presence at the sectoral summits where projects are actually contracted. The pattern is deliberate: Davos and the climate conference set the direction, the sectoral forums close the agreements.

APPOINTMENT	PLACE AND DATE
Zero-Carbon Summit	Singapore, January 2026. Rockefeller Standard Carbon, Shenzhen, appointed committee member.
AIX Summit	Doha, Qatar, October 2025. Artificial intelligence and global innovation.
Machines Can See	Dubai, United Arab Emirates, April 2025. Two days of the artificial intelligence summit.
North Africa Oil and Gas Forum	Tunis, January 2025. Convened by the Group, described at the opening of this record, in section 16.3.
Abu Dhabi Sustainability Week	Abu Dhabi, January 2025.
Qatar Economic Forum	Doha, May 2023.
Zero flare and decarbonisation work	China, March 2026. Position in the zero carbon industrial transformation.
China Development Forum	China, March 2023. Economic Summit.
World Hydrogen Energy and Carbon Neutrality Conference	Guangdong, China, May 2023.
International Economic Forum of the Americas	Montreal, Canada, June 2023.

Forty five engagements are documented in the archive of the Group between March 2023 and July 2026. This part reproduces the ones that carry an institution, an accreditation or a counterpart that can be named. The remainder is listed above.

16.10 · INTERNATIONAL EVENTS AND MARKETING

Washington: Cambridge Judge Business School.

The rarest entries in this part are the institutional and academic ones, and they are the hardest to obtain. The Group separates them from the rest for that reason.

In June 2024, in Washington D.C., the Group took part in a private event of Cambridge Judge Business School Executive Education. The delegate accreditation carries the Cambridge crest and the Certified B Corporation mark side by side: the Executive Education division of the School had received B Corporation accreditation two months earlier, in April 2024.

For a company whose business is carbon standards, presence inside a B Corp accredited programme at a Cambridge business school is a credential of a different order from a conference badge, and the Group records it here on that basis rather than as an academic association it does not hold.



Delegate accreditation, Cambridge Judge Business School Executive Education, Certified B Corporation.



Christopher Marquis, Sinyi Professor of Chinese Management, Cambridge Judge Business School.



Russell Miller, Client Director, Cambridge Judge Business School Executive Education.

WHAT THIS RECORD IS, AND WHAT IT IS NOT

The Group applies to this part the same limit it applies to the rest of the volume. A forum badge is not a mandate, a photograph with a principal is not a partnership, and a delegate accreditation is not an endorsement by the institution that issued it.

What the record does establish is a pattern, and the pattern is the argument. Three consecutive editions of the World Economic Forum. Three consecutive editions of the climate conference as an accredited Bloomberg Green delegate.

And, in one case, a room the Group convened itself, in which a ministry, a national oil company and a foreign delegation sat under its standard. That is the entry the Group asks to be read first.

THE RECORD, IN FIGURES	
DOCUMENTED EVENTS	Forty five, from March 2023 to July 2026, across the Gulf, Asia, Europe, Africa and the Americas
WORLD ECONOMIC FORUM	Three consecutive editions: Davos 2024, 2025, 2026
CLIMATE CONFERENCES	Three editions as a Bloomberg Green delegate: COP28, COP29, COP30
CONVENED BY THE GROUP	One: the North Africa Oil and Gas Forum, Tunis, 22 January 2025

17.1 · THE REGISTER

Certifications, registrations and quality systems.

The Group holds ten certified management systems across its centres, a product certification that places its machine on a regulated market, and institutional registrations in the jurisdictions where it operates.

WHERE	STANDARD OR INSTRUMENT	REFERENCE	VALIDITY
Bursa, Turkiye	CE attestation of compliance: machinery directive, low voltage directive, electromagnetic compatibility regulation, with four dated test reports	INT-26-124RES-01	04.05.2026 to 03.05.2027
Bursa, Turkiye	ISO 9001:2015, quality management systems	QMS-012487	20.11.2025 to 19.11.2026
Bursa, Turkiye	ISO 14001:2015, environmental management systems	EMS-012487	20.11.2025 to 19.11.2026
Lalitpur, Nepal	ISO 9001:2015, quality management systems, scope: provision of software development services	Certificate of the operating entity, under a national accreditation body with international recognition	Current triennial cycle
Montegranaro, Italy	ISO 9001 and ISO 14001, through the technical partner, under ILC Certification	.	In force
Brindisi, Italy	ISO 9001 and ISO 45001	.	In force
New Cairo, Egypt	ISO 9001, ISO 14001, ISO 45001 and ISO 27001	.	In force
New Cairo, Egypt	Registration in the system of cooperating companies of the national organisation for military production, security sector	2026/163, first registration	From 17.06.2026
New Cairo, Egypt	Training capability approved by the national petroleum and gas authorities	.	In force
New Cairo, Egypt	Industry standards framework for hazardous environments and drilling operations	.	In force

The certification register of the Group, August 2026. A dot means the instrument is held by the operating partner without a certificate number reproduced in this volume.

HOW TO VERIFY WHAT IS IN THIS VOLUME

CLASS OF CLAIM	HOW IT CAN BE VERIFIED
Corporate particulars	Delaware registration number 6714331 and employer identification number 93-4657669, verifiable in the public record of the State of Delaware
Premises and floor area	Site visit to Montegranaro, Nilufer, Brindisi, New Cairo or Lalitpur; lease and cadastral documentation held at each centre
Headcount and disciplines	Meetings with the discipline leads; organisation charts and payroll evidence shown on request under confidentiality
Product certification	The attestation and its four dated test reports, held in original at Bursa
Management systems	The certificates listed above, with their numbers and dates, held by the respective centres
Measured technical performance	The bench test tables and the live telemetry of the field units; the dashboard of the geothermal site is publicly accessible
Intellectual property	The registered patent, trademark, design and utility model schedules of the technology partner, under confidentiality
Delivered project record	The engineering reference volumes of the plant engineering partner and client references on request

The argument of the film is the argument of this volume, told in another language. Artificial intelligence is presented as a tool designed to extend human capability rather than to replace it, and as something that produces human value and economic value at the same time. In its second half the film moves from the imagined

future to the present: the operations of the Group, its research centres and the teams who work in them, filmed and reconstructed with the same technology the film is about.

The audience is deliberate. The film was made for institutions, governments, investors, partners, universities and technology

professionals: the counterparties who have to understand what a sovereign artificial intelligence programme is before they can decide anything about it. It is, in that sense, a communication instrument rather than a promotional one, and it is the reason it sits in this part of the volume rather than at the end of it.



Vision of the Future. The presentation cover of the film: a science fiction documentary of more than thirty minutes, generated with artificial intelligence, in which a human protagonist and an advanced humanoid robot travel through healthcare, manufacturing, energy, cyber security, education and the smart city, and then through the centres and the teams of the Group.

WHY A FILM, AND WHY THIS FILM

A sovereign artificial intelligence programme has to be explained to people who will never read its architecture: ministers, regulators,

sovereign investors, university faculties, boards. The document in your hands is one language for that audience. The film is the other, and it reaches a part of that audience the document does not. The Group therefore treats it as an instrument

of institutional communication rather than as promotion, and it is produced in house, with the same technology the volume describes, which is itself part of the argument: the demonstration is the method.

THE WORK	WHAT IT IS
Format	A science fiction documentary of forty five minutes, built with artificial intelligence generated imagery, produced by The Rob Rockefeller S.C.
Double function	A film about what artificial intelligence will do to the world, and, in its second half, the company profile of the Group in moving images: the operations, the research centres and the teams who work in them.
Claim of precedence	The Group presents it as the first film of its kind: a real cinematic work, generated with artificial intelligence, that also functions as the institutional profile of the company that made it.
Audience	Institutions, governments, investors, partners, universities and technology professionals: the counterparties who have to understand what a sovereign artificial intelligence programme is before they can decide anything about it.

PART NINETEEN

Horizon.

What is under way, what is a target and what is conditional, from the geothermal pilot to the entry into carbon trading between 2028 and 2030, and a closing note on what this document is.

WHY THIS PART EXISTS

A company profile that ends with a forecast is a pitch. This one ends with a horizon separated into three honest categories, and a colophon.

- 19.1 The horizon 2026 to 2030
- 19.2 A note on this volume

19.1 · WHAT COMES NEXT

The horizon 2026 to 2030.

The Group states its horizon in the same register as the rest of this volume: what is under way, what is targeted, and what is conditional.

HORIZON	WHAT IS PLANNED	STATUS
Artificial intelligence and cyber	Full operational scaling of the engineering core in Lalitpur; constitution of the Emirati centre with a local technical partner; consolidation of the European axis between Milan and Sofia	Under way
AURYNTHEON	Closure of the prototype phase, subject to the infrastructure of the training phase, along one of the two routes under evaluation	Conditional, and presented as such
Energy	The first advanced geothermal pilot, engineered for deployment in Italy, and the first commercial installation from 2027, with initiatives under way with government counterparties in Tunisia, Egypt and Nigeria	Pilot in progress; commercial deployment a target
Middle East	Opening of the physical branch in Doha with a resident team; consolidation of the Emirati perimeter; development of the Saudi pipeline under the Royal Partnership	In preparation
Africa	Opening of the jurisdictions in formation: Ghana, Kenya, the Republic of the Congo and the Democratic Republic of the Congo; expansion of the Egyptian and Libyan industrial programmes; scaling of the continental pipeline with the multilateral funds	Scheduled
Carbon markets	Entry of the Group into the trading of carbon credits, alongside the measurement, verification, project development and reporting capability it already operates through New Cairo and the branch network	Planned to begin between 2028 and 2030
Institutional	Continuation of the collaborations with the Egyptian and Libyan governments, and of the defence and dual use programmes inside the European and Atlantic perimeters	Under way

On the carbon market, stated precisely. The Group operates today on the side of the carbon market that produces evidence: emissions measurement, verification, abatement engineering, project development, and environmental and social reporting, through the assurance and transition centre of New Cairo and through the Emirati,

Indian, Chinese and African perimeters. It does not trade carbon credits, and it does not present itself as a market participant. Entry into trading is planned for the window between 2028 and 2030, once the project pipeline the Group is developing today has produced credits of its own and the regulatory perimeter in the jurisdictions

concerned has settled. Until then the vertical is declared for exactly what it is.

Two things in that table are worth separating from the rest. The first is that the energy vertical and the artificial intelligence vertical reach their respective thresholds in the same window: the first commercial

advanced geothermal installation and the closure of the prototype phase of the sovereign architecture both sit in the 2027 horizon. The second is that the Group has been

deliberate about what it has not put in the table. There is no revenue forecast, no valuation and no liquidity scenario, because a company profile is not a

transactional document and the Group does not use one to do the work of the other.

19.2 · COLOPHON

A note on this volume.

What this document is, what it covers, and how to correspond with the Group.

This volume is the company profile of The Rob Rockefeller Standard Carbon: the institutional identity of the Group, its five sectors, its global footprint, its leadership architecture and its partnership ecosystem. It describes what the Group is: an American platform, incorporated in Delaware, operating twenty five active centres across eighteen sovereign

jurisdictions and five continents, under a unified governance and a single corporate signature.

It is not a due diligence report and it is not a transactional dossier. Where institutional partners, multilateral counterparties, royal anchors and sovereign mandates are referenced, the purpose is to describe the structural shape of the platform, not to disclose the commercial detail of the relationships. Where a programme

is at an early stage, this volume says so in the same sentence in which it describes it.

Institutional correspondence is directed to the Office of the Chief Executive Officer. Strategic enquiries, partnership proposals and institutional engagement requests are handled through the European headquarters in Milan and the Delaware domicile of the company.

ISSUANCE			
ISSUING ENTITY	The Rob Rockefeller Standard Carbon LLC, Delaware	OFFICE RESPONSIBLE	The Office of the Chief Executive Officer
EDITION	Company Profile 2026, institutional edition	ISSUANCE DATE	August 2026
WORKING LANGUAGES	English and Italian	FORMAT	A4 portrait
TYPOGRAPHY	Lora for the text and the display, Poppins for the	COLOUR	Navy for the institutional ground, gold as the corporate signature, cream for the editorial page
CORRESPONDENCE	Mila 21 · Dover, Delaware	INSTITUTIONAL WEB	www.therockefeller-sct.com



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