



MRIA HUB

MACRO REGIONAL INTEGRATION AGENCY

PLATFORM FOR INTERNATIONAL SCIENTIFIC AND
TECHNICAL COOPERATION

**Nuclear energy · Nuclear medicine · High
technology**

Czech Republic · Ukraine · Latvia · South Korea

Initiated by SYNERGOATOM SE, Czech Republic ·
TRIUMPH Alliance

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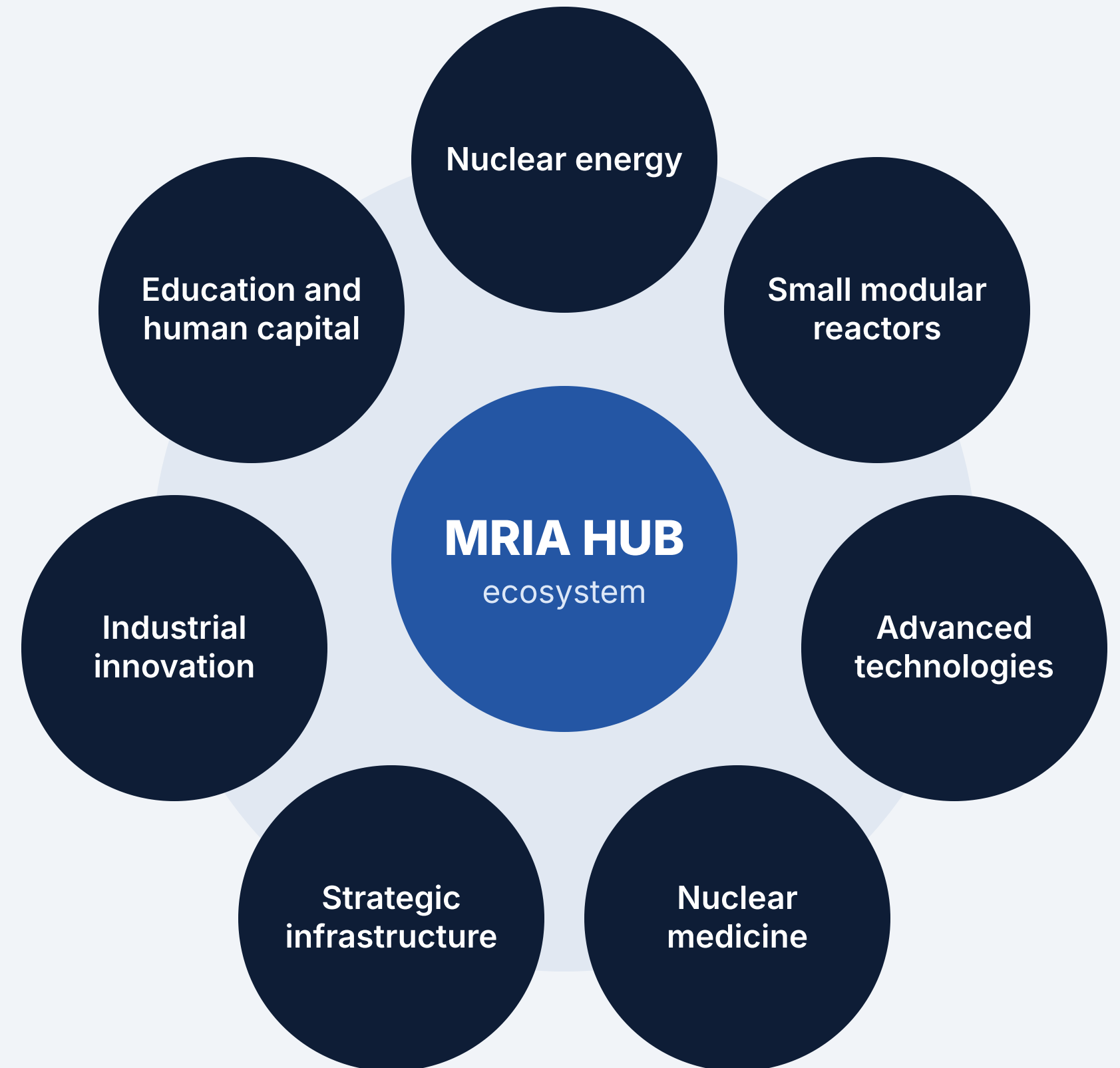
PLATFORM DEFINITION

WHAT IS MRIA HUB

An international platform for long-term scientific and technical cooperation in nuclear energy, SMR, nuclear medicine, industrial innovation, education and strategic infrastructure. The platform attracts private and public investment.

KEY MESSAGE

MRIA HUB is an ecosystem for creating the projects of the future.



STRATEGIC CONTEXT

WHY MRIA HUB

The energy transition, SMR deployment, nuclear medicine and the modernisation of strategic infrastructure require new models of international cooperation.

Traditional project-based cooperation is no longer enough.

The future belongs to international ecosystems that bring together industry, science, capital, public institutions and technology developers.

01

Industry

Heavy engineering · manufacturing · infrastructure

02

Science

Nuclear energy · SMR · advanced technologies

03

Capital

Strategic investment · financing programmes

04

Public institutions

EU · Central and Eastern Europe · partner countries

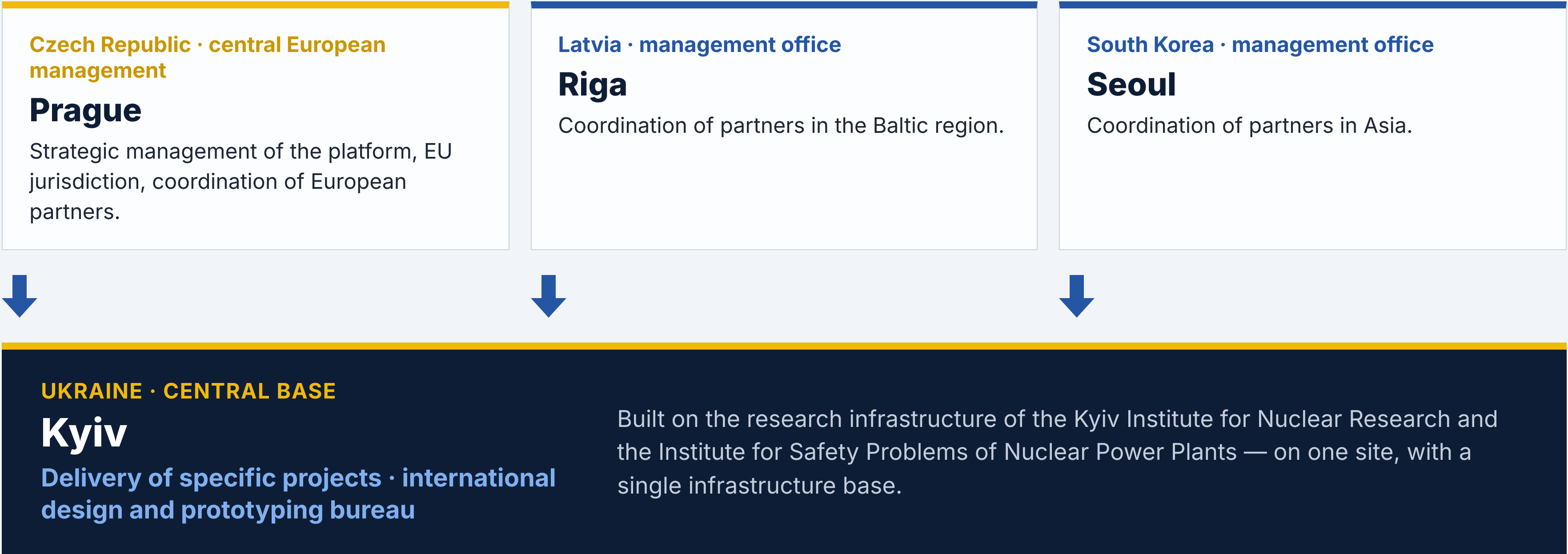
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Technology developers

SMR · nuclear medicine · energy systems

PLATFORM ARCHITECTURE

Central base in Kyiv and management offices in Prague, Riga and Seoul



CENTRAL BASE • KYIV

One site — a single infrastructure base



The core of the platform: where ideas become prototypes and projects.

PARTICIPATING COUNTRIES

Four countries — equal participants in the platform

Central European management • Prague Czech Republic - Platform management under EU jurisdiction - Industrial base: WITKOWITZ, SYNERGOATOM, TRIUMPH Alliance - Czech scientific and technical organisations	Central base • Kyiv Ukraine - Delivery of specific projects, design and prototyping bureau - Institute for Nuclear Research and Institute for Safety Problems of NPPs - Sumy State University and engineering schools	Management office • Riga Latvia - Coordination of partners in the Baltic region - Scientific and technical cooperation with Latvian universities	Management office • Seoul South Korea - Nuclear technology and SMR - Shipbuilding and marine technology - Coordination of partners in Asia
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Each country brings its strengths — the platform combines them in joint projects.

AREAS OF ACTIVITY

Eight strategic areas of the MRIA HUB portfolio

Nuclear energy NPP localisation, fuel cycle, generation for CEE and Ukraine's recovery.	Nuclear medicine Radioisotope production, cyclotrons, theranostics centres.	Small modular reactors DAVID SMR · MRIA SMPWR · marine SMR.	Advanced nuclear technology Spent fuel management, research reactors, specialised materials.
Industrial localisation Component manufacturing, supply chains, technology transfer.	R&D and science Joint programmes of research institutions in the Czech Republic, Ukraine, Latvia and Korea.	Human capital Specialist training, engineering academies, joint education.	Strategic infrastructure Critical infrastructure, recovery, energy security.

INDUSTRIAL AND TECHNOLOGY BASE

WITKOWITZ Group, Czech industry and proprietary SMR technology

Industrial backbone

WITKOWITZ Group

More than 190 years of Central and Eastern European industrial heritage.

Czech energy industry

Decades of experience in nuclear and power engineering. Manufacturing cooperation for platform projects.

Nuclear division

WITKOWITZ ATOMICA

Proprietary DAVID SMR technology. Together with MRIA SMPWR, a dual-track SMR portfolio.



MRIA SMPWR

Small modular pressurised water reactor by SYNERGOATOM SE. PWR/VVER architecture for CHP replacement and post-war recovery, developed with leading Ukrainian nuclear engineering organisations.

PROJECT PORTFOLIO

Key projects and initiatives of the platform

01 MRIA SMPWR Ukraine's national SMR project: SYNERGOATOM SE and Ukrainian research organisations.	02 DAVID SMR Proprietary SMR technology of WITKOWITZ ATOMICA.	03 Marine SMR Power for coasts, rivers and remote areas: Black Sea, Danube, Baltic.
04 H₂Sea Energy Energy from Black Sea hydrogen sulphide: Sumy cluster and SumDU, WINAQUACORE initiative.	05 Nuclear medicine Radioisotopes, cyclotrons and theranostics centres for CEE healthcare.	Early participants Shape the market architecture Founding partners define the licensing path and commercial terms.

INVESTMENT POTENTIAL

Private and public capital — for the science and industry of Ukraine and partner countries

STRATEGIC GOAL

A transcontinental belt of technological independence and security



Allied international cooperation: shared technology, reliable supply chains, energy and technological security.

Growth point — Ukraine

Scientific schools, engineering talent and the need to rebuild and modernise energy.

Private investment

Project companies, consortia, equity participation in platform projects.

Public programmes

National and intergovernmental programmes for recovery, energy security and science.

Investor protection

Structuring under Czech (EU) jurisdiction: transparency and legal protection.

PARTNER PARTICIPATION

ROLE OF FOUNDING PARTNERS

Seven forms of active participation — with tangible commercial and institutional value for every partner from the Czech Republic, Ukraine, Latvia and South Korea.

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| 01 | Strategic council
Strategy, geographic priorities, sector programmes. |
| 02 | Regional offices
Prague, Riga, Seoul: coordinating public, industrial and investment participants. |
| 03 | Technology partnership
MRIA SMPWR: co-development, licensing, replication rights. |
| 04 | Marine SMR
Joint programme for floating and marine nuclear plants. |
| 05 | Industrial supply chains
Manufacturers, EPC contractors and technology firms in the supply chains. |
| 06 | Investment
Participation in project companies (SPVs), consortia and investment structures. |
| 07 | International representation
Joint positioning at forums and intergovernmental meetings. |

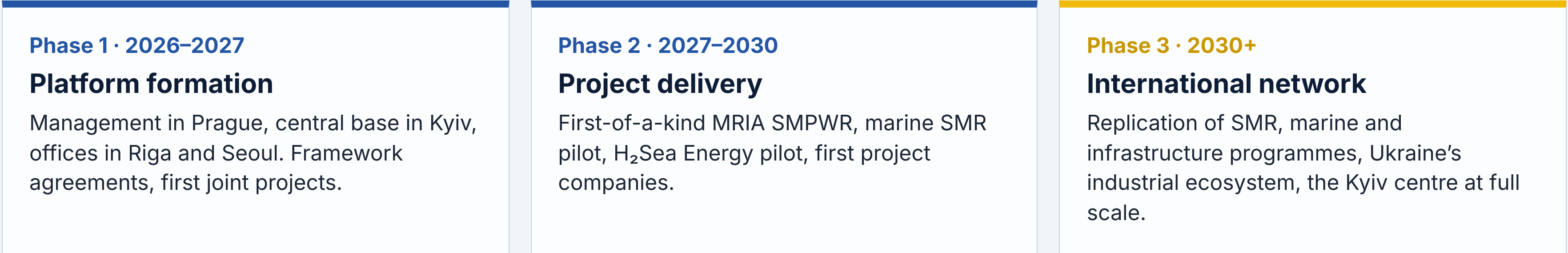
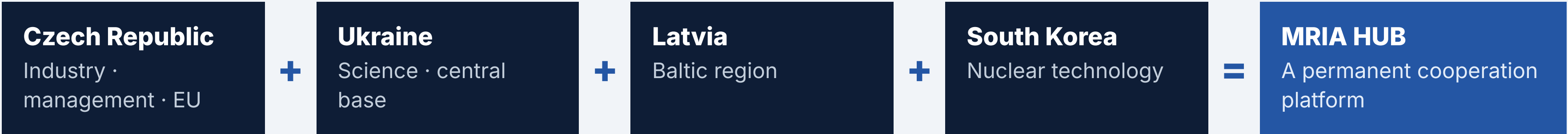
BENEFITS FOR PARTNERS

Long-term structured access — not a one-off project

CEE nuclear market Czech Republic, Slovakia, Poland, the Baltics and Ukraine — through one platform.	Industrial cooperation Links to Czech industrial contractors for energy projects.	SMR co-development MRIA SMPWR: technology partnership, licensing, replication.	Marine SMR Shaping the Black Sea and Danube market, synergy with H ₂ Sea Energy.
Ukraine's scientific ecosystem NAS of Ukraine institutes, SumDU and Ukraine's nuclear engineering school.	Investment structuring SPVs and consortia under Czech (EU) jurisdiction: transparent and protected.	Institutional channels TRIUMPH INVEST: European diplomatic and institutional access.	Long-term position Co-founder status in an international platform, reputation and visibility.

LONG-TERM VISION

A permanent international platform for decades to come





MRIA — Macro Regional Integration Agency Hub

Czech Republic · Ukraine · Latvia · South Korea

A permanent international platform for nuclear energy, nuclear medicine, SMR and high-tech cooperation — built for decades to come.

TRIUMPH Alliance — headquarters

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Platform offices

Prague — central European management
Kyiv — central base for project delivery
Riga · Seoul — management offices