



GIFEN Presentation *NIA International Group*

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NUCLEAR SELF-RELIANT INDUSTRY SUPPORTING SECURITY OF SUPPLY

The 5 French INB* operators share their expertise with...

*: INB = *Installation Nucléaire de Base* – Civil Nuclear Facility



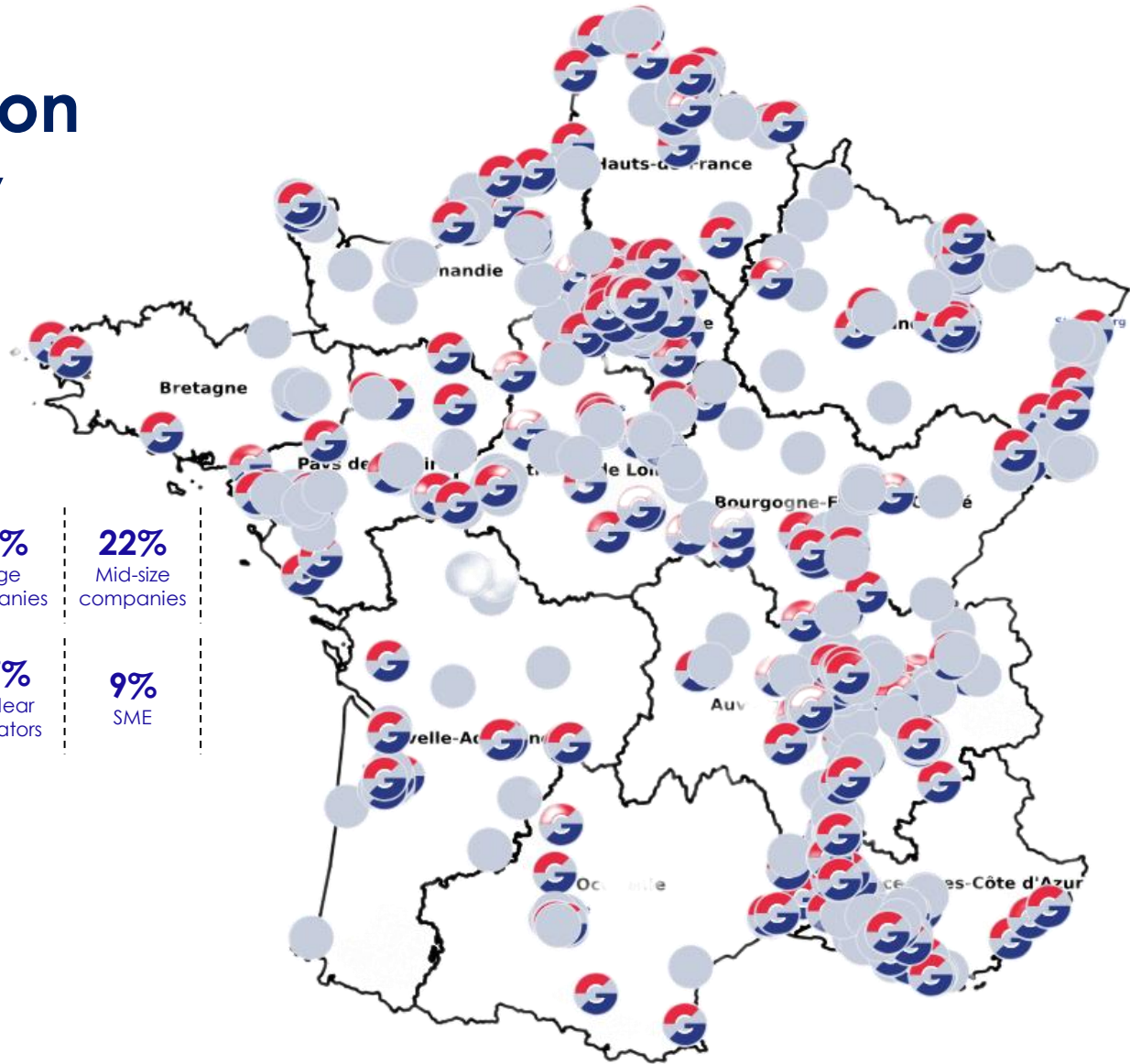
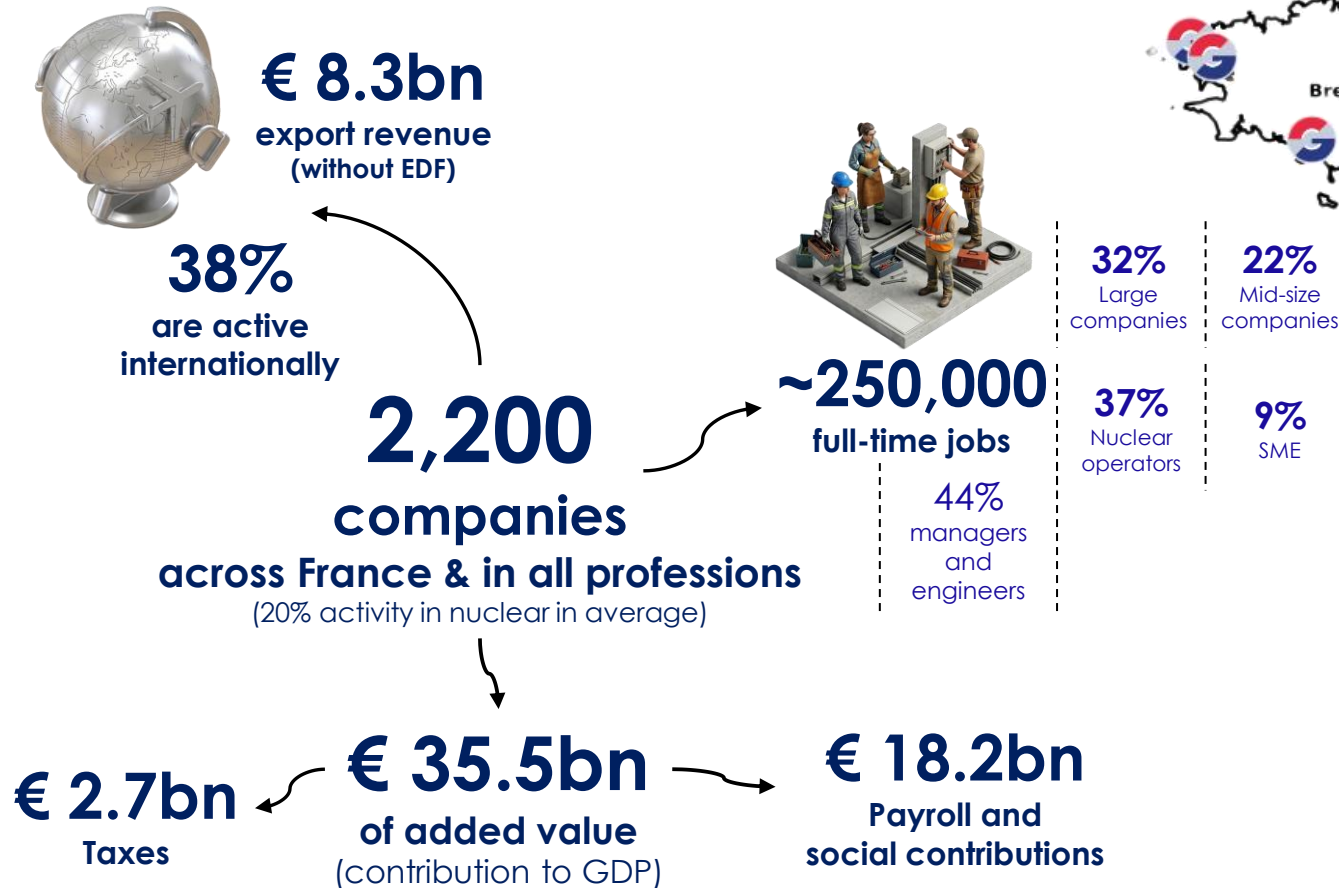
... a dedicated supply chain
at the cutting edge of technology

Over 2 200 companies, active across various segments of the industry

Engineering	298	Control Systems	65
Logistics, Material Handling, Lifting, Transportation	160	Air Conditioning, Ventilation	58
Various	160	Rotating Machinery	55
Electrical, Instrumentation	149	Valves and Fittings	52
Non-Destructive Testing	131	Nuclear Processes	47
Boiler Making	129	Site/Facility Security	36
Civil Engineering	127	Power Discharge	35
Temporary Staffing and Payroll Services	114	Forging, Foundry, and Steelworks	32
Piping and Welding	108	Training	30
General Mechanical Engineering	109	Water Treatment and Chemistry	24
Digital Technology	104	Operators	12
Decommissioning and Waste Management	71	Healthcare Professionals	7
Radiation Protection and Nuclear Measurement	65	Generators, Turbine-Alternator Sets	6

Key figures and implementation of the French nuclear industry

(data 2024)





GIFEN federates the nuclear industry in France

**GIFEN, the French Nuclear Industry Association
was created in 2018**

It includes:

- the nuclear operators (ANDRA, CEA, EDF, Framatome, Orano)
- their Suppliers (all sizes, all tiers) operating in France
- the SMR/AMR developers in France
- the professional organizations as partners

- **It documents, structures and represents the French nuclear industry** in front of its stakeholders (public authorities, media, foreign counterparts, other industries, etc.)
- **It mobilizes the industry on its collective efficiency to**
 - enhance collective operational **performance**
 - develop human and industrial **resources**
 - ensure economic and financial **robustness and sustainability** of the industry
- **It supports innovative solutions**
 - R&D and Innovation for power generation (including SMR/AMR)
 - Extended uses of nuclear energy beyond electricity generation



International Commission:

Nathalie Allimann, Chairwoman
Marie-Agnès Berche, Vice-Chairwoman

International Department:

Matthieu Euvrard, VP
Céline Grunder, Deputy ●
Gregor Townsend, Deputy ●
Noha, Fellowship Intern ●

*Regional coverage assignment :

The International Steering Committee

30 members → Monthly meeting
Defines the strategy, proposes and prioritizes the action plan
Approves the international roadmap and the associated resources
Coordinates the activities of the Country Clubs
Structures the partner network

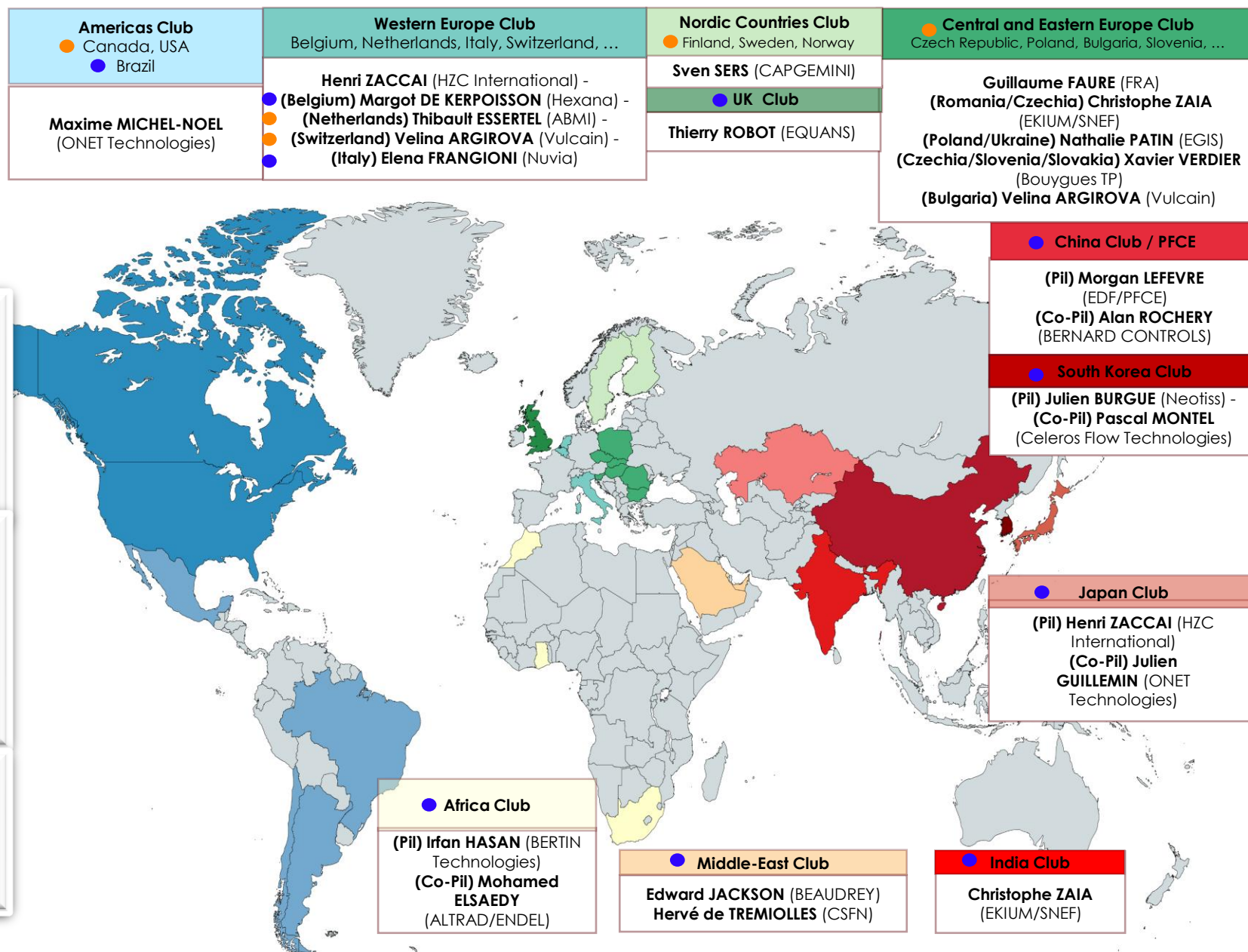
Country Clubs (11 areas with 22 pilots & copilots), essential for deploying the international strategy and exploring partnership opportunities.

Why: to map the nuclear ecosystem of each country, identify development opportunities, build collective action toward the country and define the associated roadmap, and lead bilateral partnerships on shared priorities.

With whom: companies seeking to export, localize, gain experience, or expand their network of influence.

GIFEN International Days (from 1 to 2 / year):

From several dozen to several hundred participants, hosted by a member
Sharing the work of the Country Clubs, international news, and best practices, with a focus on target regions



GIFEN NIA PARTNERSHIP

- **GIFEN-NIA 1st MOU GIFEN** – March, 2021
- **NIA International Group Meeting** – October, 8th, 2025
- **Joint declaration COP 30** – November, 6th, 2025
- **Method Sharing Workshop GIFEN, NIA, GBEN** – February, 4 – 5, 2026
- **Joint declaration Nuclear Energy Summit** – March, 10th, 2026
- **GIFEN International Day** - March, 12th, 2026
- **NIA & GIFEN Workshop in London** - July, 7th, 2026
- **Hosting of the UK delegation in Cherbourg** - September, 16th, 2026
- **NIA International Group Meeting** – October, 7th, 2026
- **NIA-NI annual dinner** – December, 3rd, 2026



Roadmap to 2050 (carbon neutrality target) and beyond

Optimized operation

- 400 TWh producible by 2030 +flexibility
- Conversion : 13 000t UO₂ by 2026
- Enrichment : 10 MTUTS/year by 2030
- MOX : 125t/year by 2028

LTO

- **Keep all reactors to 60 years and beyond** as long as they meet safety requirements
=>still a heavy "Grand Carénage" program, especially during 10-year safety reviews
- **Fuel cycle : reprocessing and sovereignty**
=>infrastructure sustainability and resilience program to reach 2040+

Dismantling and material recycling

- Generation 1 reactors and RCD facilities
- Prepare the industrializing of PWR dismantling
- Recovery of valuable metals with low activity

Waste management

- Manage nuclear waste disposal channels
- Build **CIGEO** geological repository (under permitting process)

Reactor New Build

- **6-EPR2 program (10GW)** under development (FID expected end 2026 ; +8-unit by 2050) to support the ramp-up of French nuclear industry to reach the capacity to build 2 units/year at state-of-the-art performance

Fuel Cycle New Build

- **GB2 extension** under construction (2,5MUTS)
- **"Aval du Futur" program** under development to secure back-end infrastructure beyond 2040
 - phase 1: 2 spent fuel storage facilities + Melox 2
 - phase 2: La Hague 2 (reprocessing) + 3rd spent fuel storage facility

Fuel cycle closing

- Program approved by Government (12/03/2026) – 4-year studies by 2030, including FBR and consistent fuel cycle

New solutions (SMR)

- A dozen of SMR projects under development in France for the early 2030's
- Support extended for Calogena and Jimmy. More projects to follow + Nuward developed by EDF
- Part of the European industrial alliance for SMR

RGD facilities to support the roadmap

- Including digital modeling and simulation tools

Industrial support to developing nonelectrical uses of nuclear energy

- Heat (district and industrial)
- Medical (vectorized internal radiotherapy)
- Space
- Maritime transport
- ...

KEY CONSIDERATIONS FOR UK COMPANIES LOOKING TO ENTER THE FRENCH NUCLEAR MARKET

Strategic Advice for UK Companies

- **Do your research:** Get to know the market, go on the website of stakeholders and look at the tier 1 suppliers identified in consortiums of nuclear projects. Keep in mind that most companies have preliminary referencing phases for their suppliers. Also, for some markets some special requirements may be asked (for example *CAEAR certification* for CEA's decommissioning market).
- **Regulatory Understanding and Compliance:** Understanding and adhering to French regulations is paramount. Familiarize yourself with *ISO* standards, nuclear codes, and the role of regulators like the ASNR.
- **Partner with Local Businesses:** UK companies should consider establishing partnerships with local businesses to build trust and leverage local knowledge. Engaging with industry players already operating in France can reduce risks and accelerate market entry.
- **Reach out to French companies** with subsidiaries in the UK, as well as UK companies operating in France.
- **Get in touch with trade bodies and associations (even join as member):** *GIFEN* (French Nuclear Industrial Association) and *NIA* (Nuclear Industry Association) can provide insights, a place to share feedback experience, and access to the market. Attending events (Don't miss the upcoming [World Nuclear Exhibition](#)) !
- **Cultural Differences:** The French business culture can be more formal, with hierarchical structures influencing decision-making processes. Prepare to adapt to a new culture and language!

KEY CONSIDERATIONS FOR UK COMPANIES LOOKING TO ENTER THE FRENCH NUCLEAR MARKET

And keep these tips in mind !

- Be patient !
- Say the things !
- Understand the French spirit !
- Hire local
- Speak to French companies who have bases in the UK
- Do your research/analysis before setting up a French subsidiary (region, markets, targeted customers...)



PLUS D'INFORMATIONS

contact@gifen.fr

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