

EDF SA / NUWARD

MEET EDF SA / NUWARD

EDF is the world leader in low carbon generation, the first low-carbon electricity exporter in Europe:

- 93% of electricity produced by EDF is CO₂-Free
- 66 nuclear reactors in operations in the world
- +2,300 reactor-years of experience
- +50,000 engineers and technicians working in the nuclear field
- €300M invested in R&D per year
- EDF's nuclear fleet makes a significant contribution to the decarbonisation of the whole European energy mix
- France was the first European electricity exporter in 2023, with 50 TWh net Exports
- Thanks to the manoeuvrability of its nuclear fleet, it supports the grid to meet fluctuating demand and intermittent generation

MORE ABOUT EDF SA / NUWARD

<https://www.nuward.com/>



EDF SA / NUWARD AND SMRs

EDF is developing NUWARD SMR: a solution complementing large scale power plants and renewable energies to fight climate change.

The NUWARD's SMR is developed to meet three main segments:

- Replacing fossil-fueled power plants in the 300-400 Mwe range
- Powering energy-intensive industrial sites with electricity and / or heat
- Powering grids with incremental power build-up

NUWARD SMR focuses on three strong markers:

1. **SIMPLE:** The simplicity and standardization of the design is a key vector of competitiveness, customer, and investor trust. The rapid development of a plant model is accessible with known and already industrial technologies, fully deployed by the group.
2. **MODULAR:** Modularity is a major differentiating innovation vector for the future of SMR. It involves modularizing the design to maximize prefabrications and pre-assemblies in the factory, with maximum standardization of the produced modules, ultimately significantly reducing on-site operations.
3. **PREFABRICATED:** Its development should restore confidence to customers and investors by reducing site costs and charges, securing schedules, and facilitating knowledge management in upstream factories.

OUR PROJECTS AND EXPERTISE



Our raison d'être is to build a net zero energy future with electricity and innovative solutions and services, to help save the planet and drive wellbeing and economic development.



WHO WE ARE

NUCLEAR TECHNOLOGY

ENERGY SECTOR (GENERAL)

OUR KEY STAKEHOLDERS

DECISION MAKERS

CIVIL SOCIETY

INDUSTRY

EDF SA / NUWARD IN THE EUROPEAN INDUSTRIAL ALLIANCE ON SMRS

NUWARD is European by Design:

Firmly rooted in Europe, active member of the European Industrial Alliance on SMRs and fostering licensing harmonisation with the Joint Early review.

NUWARD has been selected by the European Industrial Alliance on SMRs.

- Unparalleled design construction and operation **experience and expertise based in EU**
- Fully owned **EU Intellectual Property**
- Fully delivered by **EU Supply Chain**
- Working towards **EU licensing**
- Adapted to **EU market needs**



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