



## EDF announces that its Small Modular Reactor NUWARD™ will be the case study for a European early joint regulatory review led by the French nuclear Safety Authority with the participation of the Czech and Finnish safety authorities.

**June 2<sup>nd</sup>, 2022:** Following EDF's initiative, the Group is proud to announce that its NUWARD™ SMR reactor design will be the test case for a European early joint review led by the French Safety Authority (ASN) with the participation of the Czech (SUJB) and Finnish (STUK) safety authorities. By this action EDF confirms its leading position in fostering European cooperation and supporting the acceleration of international SMR licensing, thereby creating momentum towards harmonisation of SMR regulations.

This review will be based on the current set of national regulations from each country, the highest international safety objectives and reference levels, and up-to-date knowledge and relevant good practice. Through technical discussions, this collaboration will help ASN, STUK and SUJB increase their respective knowledge of each other's regulatory practices at the European level and improve NUWARD™'s ability to anticipate the challenges of international licensing and meet future market needs.

SMR technology is being considered with great interest by many countries, as part of their energy transition towards carbon neutrality. SMR implementation and competitiveness in the energy market requires not only the development of some key technology innovations, but also a serial production process and a clear regulatory framework. Harmonisation of regulations and requirements in Europe and beyond is thus an essential element to support aspirations of standardisation of design, in-factory series production and limited design adaptations to country-specific requirements.

The EDF Group is committed to meeting this challenge and raising the awareness of the various institutional and industrial stakeholders in the nuclear industry. EDF also actively contributes to various initiatives both at European and international levels, in particular the European SMR Partnership led by Foratom together with the Sustainable Nuclear Energy Technology Platform (SNETP) and the Nuclear Harmonisation and Standardisation Initiative (NHSI) recently launched by the International Atomic Energy Agency (IAEA).

**Xavier Ursat, EDF Group Senior Executive Director in charge of Engineering and New Nuclear Projects** said:

"EDF is pleased to advance its NUWARD™ reactor as a test-case for this early joint SMR review which is pioneering multi country European regulatory cooperation. I warmly thank the French safety authority ASN and its European peers STUK and SUJB for leading this approach and I confirm EDF's commitment to bringing its contribution to accelerate SMR deployment worldwide and play an essential part in achieving the net-zero target by 2050".

EDF and its partners are fully committed to making NUWARD™ a leading and competitive product on the export market and are willing to establish international partnerships to support this goal.

NUWARD™ is currently in the conceptual design phase, which focuses on choosing the major technical features while delivering real competitive advantages. This technology is billed to replace old high CO2-emitting coal, fuel, oil and gas plants around the world and support other usages such as hydrogen production, urban and district heating or desalination. Led by EDF, it relies on skilful and valuable contributions from the CEA, Naval Group, TechnicAtome, Framatome and Tractebel.

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**About EDF**

As a major player in energy transition, the EDF Group is an integrated energy company active in all businesses: generation, transmission, distribution, energy trading, energy sales and energy services. EDF group is a world leader in low-carbon energy, having developed a diverse production mix based mainly on nuclear and renewable energy (including hydropower). It is also investing in new technologies to support energy transition. EDF's 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 well-being and economic development. The Group is involved in supplying energy and services to approximately 38.5 million customers (1), of whom 29.3 million in France (2). It generated consolidated sales of €84.5 billion in 2021. EDF is listed on the Paris Stock Exchange.

*(1) Since 2018, customers are counted per delivery site. A customer can have two delivery points: one for electricity and another one for gas.*

*(2) Including ÉS (Électricité de Strasbourg) and SEI.*

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**EDF SA**  
22-30 avenue de Wagram  
75382 Paris cedex 08 - France  
Capital of 1 868 467 354 euros  
552 081 317 R.C.S. Paris  
[www.edf.fr](https://www.edf.fr)

**Contacts**

**Press:**  
33 (0) 1 40 42 46 37

**Analysts and Investors:**  
**+33 (0) 1 40 42 78 36**