

## NUWARD SMR, a Multi-Energy Platform Serving Industries and Utilities to Accelerate Transition to a Low-Carbon Energy Future

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NUWARD, EDF's subsidiary, is advancing the development of its Small Modular Reactor (SMR) technology to address Europe's growing demand for safe, reliable, competitive, and abundant low-carbon energy. Market interest continues to rise, driven by the dual imperative of achieving Net Zero and ensuring long-term energy security. This is reflected in a growing number of inquiries covering diverse applications such as data centres, energy-intensive industrial processes requiring cogeneration, and urban district heating networks. To meet evolving customer needs and guarantee competitiveness, NUWARD has oriented its development toward a multi-energy platform capable of delivering sure, low carbon and affordable energy. The NUWARD SMR's reactor, with its thermal output of 1150 MW<sub>th</sub>, is designed to produce both electricity and heat delivering up to 400 MWe and 290 MW<sub>th</sub> in cogeneration mode. It is therefore fully adapted to meet the needs of European stakeholders. Designed in Europe, for Europe and beyond, NUWARD aims to become the leading European SMR energy platform providing low-carbon energy. The project is strengthened by robust partnerships with major European nuclear and industrial players, including Framatome, Arabelle Solutions, Tractebel, Ansaldo Nucleare, and Ansaldo Energia, enhancing its expertise in construction, modularisation, and innovation.

NUWARD also leads and contributes to several European initiatives, such as the International NUWARD Advisory Board and the Joint Early Review, an innovative initiative consisting of a joint pre-assessment of the NUWARD SMR carried out by NUWARD and eight European regulators. The Joint Early Review aims to best anticipate the expectations of safety authorities in several key European countries for its development. NUWARD is also a Project Working Group of the European Industrial Alliance on SMRs. All these initiatives aim to accelerate the deployment of SMR solutions and support market readiness.

Built on EDF's 60 years of experience in the design, licensing, construction, and operation of nuclear technologies worldwide, NUWARD SMR relies on proven technologies and robust industrial knowhow. By the early 2030s, NUWARD seeks to deliver a safe, competitive, and deployable SMR solution for Europe and subsequently for international markets.

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