



Arabelle Solutions to supply the steam turbine and generator for TerraPower Natrium® Project, Wyoming, USA

Arabelle Solutions will deliver a nuclear steam turbine, a GIGATOP 2-pole generator and associated auxiliaries and controls, for the Natrium plant currently under development in Kemmerer, Wyoming, USA.

Arabelle Solutions provides turbine hall equipment suitable for reactors with power ratings ranging from 50 MW to 1,900 MW.

"We are proud to be selected for this pioneering project and to contribute to TerraPower's innovative approach to carbon-free electricity generation. This is another key step in our ambition to provide comprehensive turbine island solutions for all types of reactors from the very large to SMRs and advanced reactors around the globe. Our teams are focused on delivering equipment that meets the highest standards in efficiency, reliability, and performance," said Catherine Cornand, CEO of Arabelle Solutions.

"We are proud to partner with Arabelle Solutions after a comprehensive selection process alongside TerraPower," said Suchit Chopra, Bechtel Project Director. *"With a global reputation for excellence and deep experience in turbine generator technology, Arabelle Solutions adds exceptional value to the Natrium project. Backed by Bechtel's more than 70 years of nuclear expertise and proven track record delivering complex energy infrastructure, this award keeps us firmly on track to deliver an advanced nuclear facility that will provide safe, reliable power for decades to come."*

The 500 MWe steam turbine and generator will form key components of the Natrium plant energy island. Once operational, the first Natrium plant will deliver enough electricity for approximately 400,000 homes.

Cedric Couffignal, Executive Vice-President, New Build at Arabelle Solutions added: *"The steam turbine has been designed for the Energy Island at the Kemmerer site to meet the specific requirements of TerraPower's innovative molten salt-based energy storage system, enabling the plant to provide a flexible power output up to 500 MWe. Our design applies a philosophy of standardization, modularization, and a platform-based approach to maximize efficiency and electricity production."*

About Arabelle Solutions

Arabelle Solutions is a global leader in nuclear turbine island technologies and services, helping its customers produce reliable, low-carbon electricity. Its innovative technology ranges from the world's most powerful steam turbine in operation, to pioneering modular designs optimized for SMRs, as well as generators, pumps, heat-exchangers, and controls. Arabelle Solutions technologies and services are used in around a third of nuclear power plants globally. The company has around 3,500 employees across 16 countries and is a subsidiary of EDF Group.

About EDF

The EDF Group is a key player in the energy transition, as an integrated energy operator engaged in all aspects of the energy business: power generation, distribution, trading, energy sales and energy services. The Group is a world leader in low-carbon energy, with an output of 520TWh 94% decarbonised and a carbon intensity of 30gCO₂/kWh in 2024, a diverse generation mix based mainly on nuclear and renewable energy (including hydropower). It is also investing in new technologies to support the 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 supplies energy and services to approximately 41.5 million customers⁽¹⁾ and generated consolidated sales of €118.7 billion in 2024.

(1) The customer portfolio consists of electricity, gas and recurring service contracts

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