



Framatome to collaborate with TerraPower on the fuel handling equipment for its Sodium reactor

February 22, 2024 - Framatome US Government Solutions LLC. announced today the design phase award for the Ex-vessel Fuel Handling Equipment Project for use in the operations of TerraPower's Sodium™ reactor.

The customized equipment consists of two separate rail-mounted machines used to perform refueling and related core component transfer activities. Automated and remote functionality enhances the safety and performance of the refueling operations during scheduled outages and maintenance.

“This equipment project is an important milestone for advancing our cutting-edge Sodium reactor design, critical in powering our nation's clean energy future,” Tara Neider, senior vice president and project director for the Sodium Reactor Demonstration Project. “The breadth of Framatome's expertise and depth of its operating experience provides certainty and strengthens our diverse supply chain needed to bring this unique technology to market.”

“We are developing and delivering technological modules for advanced and small modular reactors, collaborating closely with TerraPower and other industry leaders that are advancing nuclear energy capabilities,” said Craig Ranson, executive vice president of the Installed Base Business Unit at Framatome in North America. “TerraPower is a pioneer in the advanced reactor market, and we are pleased to provide them with equipment that is unique to the Sodium reactor.”

The fuel handling equipment will be designed jointly by Framatome and American Crane, leveraging a long history of providing world-class upgrades and new fuel handling equipment for plants in the U.S. operating fleet. The design phase of the project will be executed at Framatome's Operational Center of Excellence in Lynchburg, VA, United States, and will be finalized for fabrication by July 2025.

After successful completion of the design phase, the equipment will be fabricated and installed at the TerraPower Demonstration Plant in Kemmerer, Wyoming, United States.



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About Framatome

Framatome is an international leader in nuclear energy recognized for its innovative, digital and value added solutions for the global nuclear fleet. With worldwide expertise and a proven track record for reliability and performance, the company designs, services and installs components, fuel, and instrumentation and control systems for nuclear power plants. Its more than 18,000 employees work every day to help Framatome’s customers supply ever cleaner, safer and more economical low-carbon energy.

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Framatome is owned by the EDF Group (80.5%) and Mitsubishi Heavy Industries (MHI – 19.5%).