

# Sweden: Framatome completes successful commissioning for upgrade project at Forsmark nuclear power plant

Framatome has successfully completed commissioning for a project to modernize the safety Instrumentation & Control (I&C) system in unit 3 of the Forsmark\* nuclear power plant operated by the Swedish utility Forsmarks Kraftgrupp AB, a subsidiary of Vattenfall.

Under this contract, Framatome has supplied a new neutron flux measuring system, provided the qualification testing and installed the components. The contract also included engineering and related services to perform the regular functional system tests as well as the necessary upgrade of the simulator.

The new I&C assemblies for the neutron flux wide range monitoring system have been designed and manufactured as modules and installed into the existing cabinets on site. The modular design with flexible mechanical integration solution makes the system very versatile applicable in all boiling water reactor plants worldwide. The wide range system monitors the neutron flux in the reactor core during downtime as well as plant start-up and shut-down operations, contributing to plant safety during these operating stages.

“The successful project in Sweden proves our competence to provide I&C upgrades worldwide to different reactor types. In Forsmark we used our specific know-how in boiling water reactors which includes not only the delivery of the components but also service to support installation, simulator integration, training and commissioning”, said Frédéric Lelièvre, Senior Executive Vice President in charge of Sales, Regional Platforms and the Instrumentation and Control Business Unit at Framatome.

*\* Forsmark 3 is a boiling water reactor with an installed net capacity of 1,170 megawatts. The reactor started commercial operations in 1985 and is located in the East coast of Sweden, approximately 100 kilometers north of Stockholm.*

Framatome is a major international player in the nuclear energy market recognized for its innovative solutions and value-added technologies for designing, building, maintaining, and advancing the global nuclear fleet. The company designs, manufactures and installs components, fuel and instrumentation and control systems for nuclear power plants and offers a full range of reactor services.

With 14,000 employees worldwide, every day Framatome’s expertise helps its customers improve the safety and performance of their nuclear plants and achieve their economic and societal goals.

Framatome is owned by the EDF Group (75.5%), Mitsubishi Heavy Industries (MHI – 19.5%) and Assystem (5%).

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