This includes fuel for the Browns Ferry plant, fuel handling equipment upgrades across the fleet, and steam generator replacements at the Watts Bar plant. Framatome will provide its ATRIUM 11 fuel for the three boiling water reactors at Browns Ferry, with the first use planned for 2023. According to Framatome, this contract makes TVA the third U.S. utility to switch to the ATRIUM 11 fuel design. The fuel will be manufactured at Framatome’s fuel fabrication facility in Richland, Wash., which recently celebrated its 50th anniversary. Framatome will also upgrade the fuel handling equipment at the Browns Ferry, Sequoyah, and Watts Bar nuclear plants on an accelerated schedule. This work includes upgrading the refuel bridges at Browns Ferry, the manipulator cranes at both Sequoyah units and Watts Bar-1, and the fuel transfer systems at Watts Bar. Framatome previously upgraded the fuel transfer systems at Sequoyah. The company will also replace the spent fuel bridges at Sequoyah and Watts Bar.

German-based Gesellschaft für Nuklear-Service (GNS) received two contracts from PreussenElektra GmbH in early February. The first, announced on February 4, is for the delivery of 62 CASTOR V/19 transport and storage casks. PreussenElektra’s Brokdorf nuclear plant will receive 39 casks, with the remainder going to the Grohnde plant. The casks will be used for the spent fuel elements of the two pressurized water reactors, which will be in operation until the end of 2021. The contract has a total value of over $108 million. The casks are to be delivered in mid-2022.

The second contract, announced on February 7, involves the dismantling of the reactor pressure vessels of PreussenElektra’s entire nuclear power fleet. The project comprises the complete dismantling of the six pressure vessels, each weighing between 400 and 500 tons, for final disposal. The project is expected to last a total of 10 years. Höfer & Bechtel GmbH, in which the GNS Group has held a majority stake since last year, will be responsible for the dismantling of the vessels, while GNS itself, as a specialist in the field of waste management, will be responsible for the project management and the packaging of the dismantled components for final disposal. The two companies are supported by GNS subsidiary Wissenschaftlich-Technische Ingenieurberatung GmbH.

CORYS Inc., seeks a Nuclear or Mechanical Engineer to join its team in Jacksonville, FL. This is a full-time position.

The successful candidate will be responsible for developing advanced models for complex two-phase thermal hydraulic systems. Candidate will work with CORYS’ proprietary thermal hydraulic model development environment. Candidate will interface, troubleshoot and maintain these mathematical models. Occasional travel will be required to customer locations to support integration and testing.

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B.S. or M.S. in Nuclear Engineering or Mechanical Engineering.

Proficiency in coding languages (C++, FORTRAN and Visual Basic)

Significant experience in the field of Computational Fluid Dynamics (5+ years)

Strong interpersonal skills – able to work in a team environment and interface with customers

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