



alpha-emitting isotopes in liquid-fueled molten salt reactors.

■ **Republic Services** has completed its acquisition of all outstanding shares of **US Ecology**, expanding the environmental solutions footprint of Republic across the United States and Canada. The transaction involves \$75 million to \$100 million in cross-selling revenue opportunity between Republic's \$1.5 billion manufacturing portfolio and US Ecology's \$1 billion portfolio. Republic funded the transaction with a combination of credit and a three-year term loan.

■ **Bruce Power** has selected **Candu Energy**, a member of the **SNC-Lavalin Group**, to provide design and engineering services for remotely controlled fuel channel installation tooling at Bruce Nuclear Generating Station's Unit 3 in Ontario. Delivery of the tooling systems is part of Bruce Power's Major Component Replacement Project and associated refurbishment of CANDU reactors. Candu's work is scheduled to begin in 2023. Candu will also perform certain

manufacturing and testing work as part of the Ontario station's life extension program.

In additional Bruce Power news, the company and Chicago-based engineering consultant **Sargent and Lundy** have entered into a multiyear project services agreement for Sargent and Lundy to support all project controls and management on the Bruce nuclear plant site north of Tiverton, Ontario. The services include major component replacement, asset management, and support for project organizations to enhance Bruce Power's project governance.

■ **Candu Energy** has been selected by **Nuclearelectrica** to conduct optimization work on Nuclearelectrica's Unit 1 CANDU reactor at the Cernavoda Nuclear Generating Station in Romania. Candu is to perform axial channel shifting for several fuel channels in Unit 1 during a shutdown period that is scheduled for 2027–2029. Candu's work will include design, manufacturing, testing, and transportation of the axial shifting tools and

accessories; reactor engineering analysis; development of a strategy to execute the shifting work; and evaluation of any impact on the reactor design.

■ France-based **Framatome** has acquired the **EFINOR** group's energy and defense subsidiaries, which operate in the nuclear energy and naval defense sectors in both France and the United Kingdom. The acquisition enhances Framatome's expertise in industrial welding and component manufacturing and engineering, and it allows Framatome to benefit from the EFINOR group's relationships with partners and customers in France and the U.K. The acquisition also advances Framatome's position as a major partner of the British nuclear program.

Framatome has also been awarded a contract to perform its cavitation peening reactor vessel mitigation technique on four nuclear power plants in the United States. The technique is designed

*Industry continues*



## WE ARE SIGMA SCIENCE

Sigma Science is a New Mexico-based small business with a 25-year history of serving DOE and its prime contractors. We specialize in providing nuclear professional services and solving our clients' nuclear engineering and technology challenges.

Sigma is supporting the Combined Radiation Environments for Survivability Testing (CREST) Project at Sandia National Laboratories, which will deliver the world's first nuclear facility that uses both an accelerator and reactor assemblies simultaneously to test experimental packages.

**We are seeking engineers with pulsed power experience to develop, design, test, and deliver an advanced high-energy, high-current accelerator for this entirely novel application.** Apply now to join the Sigma Science team. Send your resume to [recruitment@sigmasci.com](mailto:recruitment@sigmasci.com) or visit <https://sigmasci.com/careers/>.

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