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Industry

BGE Technology (of Germany); and **Rambøll** (of Norway). The framework agreement, valued at €40 million (about \$41 million), includes technical assistance for NND, with the GeoReN group as the sole provider of services. The agreement acknowledges the extensive experience of the GeoReN members with several repositories encompassing various geological conditions and concepts and covering all types of radioactive waste streams.

Products

The **Korea Institute of Machinery and Materials** (KIMM) has developed a virtual remote dismantling simulation system for use in training activities associated with the decommissioning of nuclear power plants. With the simulator, operators can practice using lasers and plasma to cut underwater reactor vessel internals (RVIs) under conditions similar to actual dismantling environments. The system for the underwater robot is based on a remote cutting simulation algorithm derived from numerical analysis of molten pool behavior in the RVIs of Unit 1 of South Korea's Kori nuclear power plant. That unit, which was shut down in 2017, was the first reactor in South Korea to enter decommissioning. The simulation system will enable KIMM to establish facilities for simulation training in nuclear decommissioning in cooperation with South Korea's new institute for nuclear decommissioning research. Construction of the headquarters for that institute began in October 2022 and is expected to be completed in 2026. ☒

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