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Kärnfull Next and Samsung C&T Forge Strategic Partnership to Advance SMR Projects in Nordics

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Kärnfull Next, Sweden's leading project developer of small modular reactor (SMR) campuses, has signed a collaboration agreement with construction giant Samsung C&T, during the Korea-Sweden Strategic Industry Summit on December 5. The partnership aims to accelerate and strengthen the development of SMR Campuses within the south Swedish SMR program, Re:Firm South.

South Korea's Samsung C&T boasts an impressive track record of landmark nuclear export projects, including the Barakah Nuclear Power Plant in the United Arab Emirates, one of the world's largest commercial nuclear facilities, and its ongoing collaboration in Romania to develop small modular reactors. Samsung C&T's expertise in advanced construction and project financing positions it as a key player in realizing Kärnfull Next's ambitious plans for Sweden.

As pioneers in SMR project development, Kärnfull Next has conducted extensive pre-feasibility studies at candidate municipalities in southern Sweden, with Valdemarsvik and Nyköping among those publicly announced. This partnership with Samsung C&T represents a significant milestone in the program, focusing on e.g. special purpose vehicle (SPV) project financing, design, licensing, technology selection, environmental impact assessments, and construction preparations.

The Re:Firm South program aims to establish SMR campuses, i.e. a minimum of two units and co-location capabilities, that provide reliable, clean electricity to the national grid and directly supply energy-intensive facilities such as AI data centers through direct or indirect power purchase agreements (PPAs).

"With a global leader like Samsung C&T at our side, providing expertise in areas like project financing and advanced construction, we are taking the next step toward making SMRs a reality, contributing to Sweden's goal of new nuclear power by 2035. Their experience and scale provide invaluable resources to transform our vision into action," says Christian Sjölander, CEO and co-founder of Kärnfull Next.

"We are proud to partner with Kärnfull Next. By combining our experience in global nuclear projects with their expertise in project development, we are confident that we can help meet Sweden's future energy needs," says Se-Chul Oh, CEO of Samsung C&T.

The collaboration between Kärnfull Next and Samsung C&T aims to bring the first project to start of construction by the late 2020s. This partnership will also pave the way for future SMR campuses and the development of co-located innovative energy parks for facilities such as data centers across the Nordics.



About Kärnfull Next AB:

Kärnfull Next AB is a pioneering developer of sustainable and secure nuclear energy solutions, specializing in Small Modular Reactor (SMR) projects in Sweden and the Nordics. Dedicated to accelerating the transition to clean energy, Kärnfull Next combines program delivery innovation, environmental stewardship, and cutting-edge technology to deliver reliable and efficient power generation. With a mission to empower a carbon-free future, the company partners with leading global stakeholders to realize transformative energy projects that drive regional development and energy security. For more information, visit www.knxt.se

About Samsung C&T Corporation

Samsung C&T is a global leader in engineering, construction, trading, and investment, committed to creating sustainable solutions for a better future. Established in 1938 and headquartered in Seoul, South Korea, the company operates across diverse industries, including infrastructure development, renewable energy, and real estate. With an unwavering focus on innovation, quality, and sustainability, Samsung C&T leverages its extensive expertise and global network to deliver transformative projects and solutions worldwide. For more information, visit www.samsungcnt.com.

