GE Vernova Hitachi Nuclear Energy and Samsung C&T form strategic alliance to advance deployment of the BWRX-300 small modular reactor

WILMINGTON, North Carolina (October 7, 2025) – GE Vernova Hitachi Nuclear Energy (GVH) and Samsung C&T, a leading construction and engineering company, have announced a strategic alliance to advance the deployment of the BWRX-300 small modular reactor (SMR) in strategic global markets, outside North America. The two companies will focus their collective efforts on developing the supply chain and project delivery solutions for GVH's SMR. Further, they will work together in the potential deployment of five BWRX-300s in Sweden.

"With the first unit of our BWRX-300 under construction in Canada, we are well positioned to lead the deployment and scale of the SMR industry," said **Maví Zingoni, CEO Power, GE Vernova**. "This collaboration with a leading player like Samsung C&T, which has a solid track-record of helping to deliver nuclear projects safely, on-time and on-budget, will further strengthen the BWRX-300 position among the most advanced, deployment ready, and lowest risk SMR technology available today."

"This agreement marks a strategic collaboration where Samsung C&T and GVH aim to become global leaders in the nuclear power segment. The collaboration will capitalize on Samsung C&T's extensive experience in nuclear power and infrastructure project execution, combined with GVH's validated technological expertise," added **Se-chul Oh, Samsung C&T CEO**.

The first BWRX-300 is under construction at Ontario Power Generation's Darlington site in Canada, with completion expected by the end of the decade, which will make it the first small modular reactor in the Western World. Key components like the reactor pressure vessel are being manufactured, and site construction is progressing according to plan.

Additionally, the U.S. Nuclear Regulatory Commission has accepted and is reviewing Tennessee Valley Authority's (TVA) application to construct the first BWRX-300 in the U.S., at the utility's Clinch River site in Oak Ridge, Tennessee; and Orlen Synthos Green Energy (OSGE) has selected Włocławek as the site for Poland's first SMR. In Sweden, Vattenfall has down-selected the BWRX-300 as it evaluates the construction of new reactors adjacent to its Ringhals plant site on the Värö Peninsula.

Each BWRX-300 can provide approximately 300 MW of electricity, enough to produce the equivalent electricity needed to power 300,000 homes while significantly reducing the complexity and cost associated with traditional nuclear reactors.

Samsung C&T's Engineering & Construction Group has more than 40 years of engineering and construction experience operating throughout the world. The group spans commercial and residential buildings, civil infrastructure and plant construction. Its landmark projects include Burj Khalifa - the world's tallest building, the ongoing Riyadh Metro Project in Saudi Arabia, the Qurayyah 4,000MW CCPP Project, and the ongoing Qatar 2,000MW Solar Power Project. In the nuclear energy sector, the company has successfully delivered 12GW across 10 units, including the 5.6GW Barakah Nuclear Power Plant in the UAE. It has recently undertaken the Nuclear Power Plant refurbishment project and Front-End Engineering Design (FEED) for Small Modular Reactors (SMRs), demonstrating its global competitiveness in large-scale reactor and SMR technologies, and solidifying its expertise across all areas of the nuclear industry.

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Notes to editors - image captions

Image 1
Maví Zingoni, CEO Power, GE Vernova, and Se-chul Oh, Samsung C&T CEO.

Image 2
(left to right) Jason Cooper, CEO Advanced Nuclear, GVH; Se-chul Oh, Samsung C&T

CEO; Maví Zingoni, CEO Power, GE Vernova; Jung E. Kim, SVP, Nuclear Sales & Business Development, Samsung C&T.

About GE Vernova

GE Vernova Inc. (NYSE: GEV) is a purpose-built global energy company that includes Power, Electrification and Wind segments and is supported by its accelerator businesses. Building on over 130 years of experience tackling the world's challenges, GE Vernova is uniquely positioned to help lead the energy transition by continuing to electrify the world while simultaneously working to decarbonize it. GE Vernova helps customers power economies and deliver electricity that is vital to health, safety, security, and improved quality of life. GE Vernova is headquartered in Cambridge, Massachusetts, U.S., with approximately 85,000 employees across approximately 100 countries around the world. Supported by the Company's purpose, The Energy to Change the World, GE Vernova technology helps deliver a more affordable, reliable, sustainable, and secure energy future.

About GE Vernova Hitachi Nuclear Energy

GE Vernova's Nuclear energy business, through its global alliance with Hitachi, is a world-leading provider of nuclear fuel bundles, services, and advanced nuclear reactor designs. Technologies include boiling water reactors and small modular reactors, such as the BWRX-300, which is one of the simplest, yet most innovative boiling water reactor designs. GE Vernova's Nuclear fuel business, Global Nuclear Fuel (GNF), is a world-leading supplier of boiling water reactor fuel and fuel-related

engineering services. GNF is a GE Vernova-led joint venture with Hitachi, Ltd. and operates primarily through Global Nuclear Fuel-Americas, LLC in Wilmington, N.C., and Global Nuclear Fuel-Japan Co., Ltd. in Kurihama, Japan. HITACHI is a trademark of Hitachi, Ltd. used under trademark license. GE is a trademark of General Electric Company used under trademark license.

Forward-Looking Statements

This document contains forward-looking statements – that is, statements related to future events that by their nature address matters that are, to different degrees, uncertain. These forward-looking statements often address GE Vernova's expected future business and financial performance and financial condition, and the expected performance of its products, the impact of its services and the results they may generate or produce, and often contain words such as "expect," "anticipate," "intend," "plan," "believe," "seek," "see," "will," "would," "estimate," "forecast," "target," "preliminary," or "range." Forward-looking statements by their nature address matters that are, to different degrees, uncertain, such as statements about planned and potential transactions, investments or projects and their expected results and the impacts of macroeconomic and market conditions and volatility on the Company's business operations, financial results and financial position and on the global supply chain and world economy.

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GE Vernova

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