GE Vernova and Seatrium secure a major contract from TenneT to connect North Sea wind power to Germany’s grid

- Contract secured for BalWin5, TenneT’s new 2.2-gigawatt offshore grid connection, expected to power approximately 2.75 million households and support Germany’s long-term energy security and decarbonization goals
- GE Vernova’s Electrification Systems business to deliver the full HVDC technology and the onshore and offshore converter stations
- Seatrium to design, build, transport, and install the offshore converter platform

Berlin, Germany; Singapore (December 11, 2025) – GE Vernova and Seatrium today announced that their consortium has been awarded a contract by TenneT to deliver a major part of BalWin5, a new 2.2-gigawatt (GW) offshore high-voltage direct current (HVDC) grid connection designed to transmit electricity from offshore wind farms in the German North Sea to the onshore transmission network in Germany. Once operational, BalWin5 is expected to provide enough renewable electricity to power approximately 2.75 million households. BalWin5 is one of TenneT’s 2 GW projects. This new generation of powerful offshore grid connection systems is set to speed up the integration of large-scale offshore wind energy into the German grid, thereby supporting the country's energy transition and climate goals.

This contract is the fourth project awarded to the GE Vernova-Seatrium consortium under the five-year Framework Cooperation Agreement with TenneT announced in March 2023. It is also the consortium’s first win concerning TenneT’s German 2 GW projects. BalWin5 marks an important step in strengthening Germany’s electricity infrastructure and supporting the country’s long-term goals for energy security and

decarbonization.

GE Vernova and Seatrium consortium’s scope

As part of the contract, GE Vernova’s Electrification Systems business is expected to deliver the onshore and offshore converter stations and the complete HVDC technology, including the advanced control and protection systems that help maintain stable and secure operation across the transmission network. HVDC links are designed to support the high-capacity, long-distance transmission of offshore wind power, helping to reduce transmission losses and improve overall system performance.

Seatrium is responsible for the design and construction of the offshore converter platform and will manage transportation and installation in the German North Sea. Works are scheduled to commence on 1 January 2026, with majority of platform fabrication taking place at Seatrium’s yards in Singapore and Batam.

“BalWin5 reflects the scale and ambition of Germany’s energy transition, and we are proud to support TenneT in this important program. Our Electrification Systems business brings decades of innovation in HVDC technology, helping deliver solutions that are designed for efficiency, affordability, and long-term energy security. Working alongside Seatrium, we are confident in our ability to deliver a high-quality system that strengthens the offshore grid and supports Europe’s move toward a more resilient and sustainable electricity infrastructure.” **says, Philippe Piron, CEO, GE Vernova’s Electrification Systems business.**

“We are proud to extend our partnership with TenneT and GE Vernova to deliver this transformative offshore wind solution as we collectively push boundaries to accelerate energy transition goals and innovation. Leveraging the proven design and experience gained from the first three platforms we are building for TenneT, we are confident in delivering an equally high-quality product safer and more efficiently through our series-build strategy, underpinned by the collective power harnessed from our One Seatrium Global Delivery Model.” **says Samuel Wong, Executive Vice President of Seatrium Energy (Fixed Platforms).**

About BalWin5, the 2.2-gigawatt offshore grid connection

TenneT's BalWin projects are a series of large offshore grid connections designed to transport electricity from wind farms in the German North Sea to the onshore grid. Each project in the BalWin program is built to move significant volumes of renewable energy into Germany's electricity system as part of the country's wider offshore wind expansion.

BalWin5 is one of TenneT's major new projects to bring more electricity from North Sea wind farms into Germany's power grid. The connection is being designed to carry up to **2.2 gigawatts** of wind power to homes and businesses, allowing Germany to make better use of the large offshore wind farms operating in the North Sea. The additional **200 megawatts** above the standard 2-GW design come from building the system with enough technical headroom to transport more power when wind conditions allow. This means more renewable electricity can be delivered without needing extra infrastructure or added cost.

The system will include an offshore converter station in the North Sea, an onshore converter station at **Bremen-Werderland**, and a combined 325-kilometer sea and land cable system. Commissioning is planned for 2032.

Today's offshore grid connections are typically much smaller, at around 900 megawatts. Increasing the transmission capacity to 2.2 gigawatts means that the connection can carry more power, making use of the infrastructure more efficiently and reducing the overall cost of bringing offshore wind to shore. By transporting more electricity per system, the cost per megawatt falls and the offshore network becomes more efficient.

TenneT is applying this new standard across several projects through long-term framework agreements, which give suppliers clearer visibility and allow the systems to be delivered faster, more efficiently, and at a lower cost.

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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.

GE Vernova's **Grid Solutions** business electrifies the world with advanced grid technologies and systems, enabling power transmission and distribution across the power grid, and supporting a decarbonized and secured energy transition.

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