GE Vernova 9HA technology will power YTL PowerSeraya's new hydrogen capable power plant in Singapore

- GE Vernova to provide a H-class combined cycle equipment for Pulau Seraya Power Station operated by YTL PowerSeraya Pte. Limited
- The new power plant is expected to deliver up to 600 megawatts (MW) to the national grid in 2027
- GE Vernova together with SEPCOIII Electric Power Construction Co., Ltd. (SEPCO III)Power Construction Corporation of China, Ltd. and Powerchina (Singapore) Pte. Ltd (POWERCHINA) are part of a consortium to build the new plant.

SINGAPORE (October 28, 2024) – GE Vernova Inc. (NYSE: GEV) through its subsidiaries and YTL Power International Berhad's wholly-owned subsidiary, YTL PowerSeraya Pte Limited today announced the order for a GE Vernova 9HA.01 gas turbine expected to power a new hydrogen-capable 600 megawatts (MW) combined cycle power plant to be built in Pulau Seraya Power Station (PSPS) on Jurong Island, Singapore. The plant is expected to be GE Vernova's first hydrogen-blended natural gas fueled facility in Singapore.

GE Vernova, POWERCHINA and SEPCO III, are part of a consortium to carry out an engineering, procurement, and construction (EPC) contract for the development of the combined-cycle power plant slated for operation by 2027. The contract, including also an STF-A650 steam turbine, a W88 generator, a triple pressure with reheat Heat Recovery Steam Generator (HRSG) was acknowledged in a groundbreaking ceremony officiated by **Mr. John Ng, Group CEO of YTL PowerSeraya** in the presence of **Dr. Tan See Leng, Minister for Manpower and Second Minister for Trade and Industry** in conjunction with the annual

week-long energy event Singapore International Energy Week (SIEW).

“By 2027, we intend to expand our power generation capabilities in Jurong Island, Singapore with one of the most advanced natural gas power technologies that is hydrogen-compatible, to help meet the nation’s growing electricity needs and ensure energy security,” said **Mr John Ng, Group CEO of YTL PowerSeraya**. “Our collaboration with GE Vernova on the 600MW hydrogen-capable CCGT project marks a significant milestone in Singapore’s journey toward a more sustainable energy future. This collaboration leverages the strengths of both companies — GE Vernova is a global leader in hydrogen and gas turbine technology, and we are committed to pioneering lower GHG emissions, more efficient energy in Singapore. Together, we are laying the groundwork for a lower-carbon future, and this project is a crucial step in advancing Singapore's energy transition and enhancing its energy resilience.”

Running initially on natural gas, the 9HA.01 gas turbine is capable to burn up to 50 percent by volume of hydrogen blended with natural gas, with a technology pathway to 100% in the future. GE Vernova’s advanced DLN2.6e combustion system, that is standard on current 9HA.01/9HA.02/7HA.03 gas turbine offerings, was developed as part of the US Department of Energy’s High Hydrogen Turbine program and enables combustion of high hydrogen without diluent. In addition, GE Vernova’s **H-class** combined-cycle power plant is an industry leader in terms of flexibility and is capable to reach full combined-cycle plant load in less than 30 minutes, making it a great complement to intermittent renewable sources.

“GE Vernova sees hydrogen-blended natural gas serving as a catalyst capable to accelerate the world’s efforts towards the path of decarbonizing the power generation sector,” said **Ramesh Singaram, President and CEO, Asia of GE Vernova’s Gas Power**. “We are pleased that YTL PowerSeraya selected our H-Class technology aiming to deliver highly efficient power generation that can emit less carbon when blended with hydrogen. We look forward to teaming with SEPCOIII and POWERCHINA to bring lower-carbon power generation to Singapore, in alignment with Singapore’s commitment to achieve a net-zero economy by 2050.”

In addition, GE Vernova has established in Singapore its Global Repair Service Solution center (GRSS) which serves as a HA repair global center of excellence (CoE) and is the first HA repair development center outside of the USA--as well as one of GE Vernova's only four heavy-duty rotor service centers in the world. The GRSS also serves as an F-class bucket repair global Center of Excellence, GE Vernova's largest F-class turbine blade repair service center in the world, and the largest and currently only GE Vernova aeroderivative repair service center with combustor DVM coating. In 2021, the Advanced Manufacturing & Repair Technology (AMRT) Centre was established within the GRSS to strengthen repair capabilities in the region, particularly for the HA fleet.

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Notes to editors

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Financial Editors: Please note this order was booked in the third quarter of 2024.

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.

About GE Vernova:

GE Vernova (NYSE: GEV) is purpose-built global energy company that includes Power, Wind, and Electrification 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 more than 75,000 employees across 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 Gas Power business** engineers advanced, efficient natural gas-powered technologies and services, along with decarbonization solutions that aim to help electrify a lower carbon future. It is a global leader in gas turbines and gas power plant technologies and services with the industry's largest installed base of approximately 7,000 gas turbines.

GE Vernova's mission is embedded in its name – it retains its legacy, "GE," as an enduring and hard-earned badge of quality and ingenuity. "Ver" / "verde" signal Earth's verdant and lush ecosystems. "Nova," from the Latin "novus," nods to a new, innovative era of lower carbon energy. Learn more: GE Vernova and LinkedIn.

About YTL PowerSeraya

YTL PowerSeraya is in the business of producing, wholesaling, trading and retailing of energy; with a primary focus on electricity. As an established player in Singapore's energy sector, it supplies the country's energy needs through its multi-utilities platform. The YTL PowerSeraya Group has three subsidiaries: the retail arm under the Geneco brand provides electricity price plans and energy solutions to

homes and businesses, PetroSeraya is the fuel management arm of the Group, and Taser Power which operates the Taser Power Plant.

The YTL PowerSeraya Group is a wholly-owned subsidiary of YTL Power International Berhad. To find out more about YTL PowerSeraya, please visit the website: https://ytlpowerseraya.com.sg/.

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