

Using GE's Aeroderivative Technology, Taiwan Power Company's Tung Hsiao Power Plant Adds 180 Megawatts to Enhance Electricity System Reliability in Taiwan

- GE supplied the LM2500XPRESS gas turbine generator sets with a total installed capacity of 180MW and the installation was completed within 10 months to improve the power supply reliability of Taiwan.
- Tung Hsiao Power Plant Renewal Project supports [Taiwan's Renewable Energy Development Act \(REDA\) energy](#) policy that seeks to increase the gas-fired power ratio to 50% by year 2025
- The new plant will help accelerate coal-to-gas transition, manage energy shortages, stabilize the grid, and support renewables growth in Taiwan
- GE has met Taiwan Power Company's requirement to strengthen and maintain the high safety standard during the project execution.

Taiwan – March 13, 2023 - GE (NYSE: GE) today announced that Taiwan Power Company (TPC)'s Tung Hsiao Power Plant in Miaoli County, Taiwan has safely and successfully started grid-connected trial runs in January 2023 using six GE LM2500XPRESS aeroderivative gas turbines. The project was installed within 10 months following the start of construction in February 2022. The recently installed highly modular units can deliver up to 180 megawatts (MW) of electricity to support the intermittent supply from nearby offshore wind power plants which are under construction. The new plant provides the needed additional flexibility to accelerate coal-to-gas transition and support renewables growth in alignment with Taiwan's target of achieving net-zero emissions by 2050.

Gas power generation continues to play a crucial role in facilitating Taiwan's transition to a lower carbon future and supporting the reliable, affordable growth of more sustainable energy. The Tung Hsiao Power Plant Renewal Project supports Taiwan's Renewable Energy Development Act (REDA) energy policy which seeks to increase the gas-fired power ratio to 50% by 2025. The installed GE aeroderivative gas turbines can run on high blends of hydrogen with a future path towards a 100% hydrogen combustion to further support Taiwan Power Company's decarbonization initiatives. As the gas turbine original equipment manufacturer, GE is best positioned to support and increase the blending of hydrogen and natural gas now and in the future.

Tung Hsiao Power Plant Renewal Project is a first-of-its-kind aeroderivative gas turbine technology installation in Taiwan providing excellent for grid firming capabilities with attributes like 8 minute fast start from cold metal to full load, to the ability to perform daily starts without impacting maintenance cycles. This flexibility and durability will help TPC better integrate more renewable energy sources and support their energy transition towards a sustainable future.

"This plant plays a crucial role in supporting the diversification of energy sources in Taiwan. We are proud to provide fast, flexible and more sustainable aeroderivative gas power—on or off the grid—to support TPC in their energy transition program and support the increased use of renewable solar and



wind power," said Ramesh Singaram, CEO of GE Gas Power for Asia. "The scope and nature of this EPC turnkey project were extraordinary. GE not only provided its advanced aeroderivative gas turbine technology, but the various supporting and auxiliary components of a power plant system required to produce energy. Additionally, we completed this project with full adherence to Taiwan Power Corporation requirements while strengthening and maintaining the high safety standard."

GE has been playing an important role in supporting the development of the energy system in Taiwan since 1961. GE-built power generation technologies are installed throughout Taiwan with over 30 gas turbines providing close to 6,000 MW of installed capacity. With global experience across diverse industries, GE is well-positioned to support Taiwan's 5+2 Industrial Innovation Plan, which focuses on seven industries and projects that will promote innovation, create high-income job opportunities, and support balanced development in high-value business sectors.

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