

Press release

Berlin, March 17, 2021

Siemens Energy selected to supply technology for new power plant expansion project in China

- Continuation of Siemens Energy's strategic cooperation with Shenzhen Energy
- The next world-class performance benchmark for F-class combined cycle project

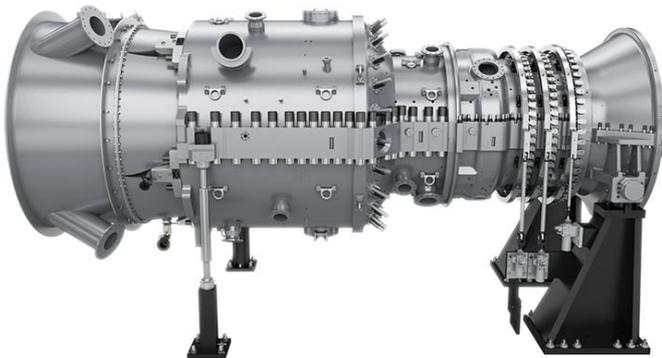
Siemens Energy has been selected by Shenzhen Energy Corporation (Shenzhen Energy) in China to supply two 460-megawatt (MW) F-class gas turbine power islands for Phase Two of the Corporation's Fengda Power Plant Natural Gas Power Generation Expansion Project. The order marks another milestone resulting from the Comprehensive Strategic Partnership Agreement signed by the two companies in 2019.

Under terms of the technology supply agreement, Siemens Energy will supply two sets of SGT5-4000F gas turbines, steam turbines, generators and related auxiliary equipment for the project. Located in Huizhou City, Guangdong Province, the project is expected to be put into operation in 2023. When completed, the estimated annual power generation capacity will exceed 2.7 billion kWh and carbon dioxide (CO₂) emissions target per unit GDP will be significantly reduced as will nitrogen oxide emissions. This will mark a significant step in helping meet the rapidly growing power demand in the eastern core area of Guangdong-Hong Kong-Macau Greater Bay Area (GBA) and help ensure the safe and stable operation of the region's power supply system. In addition, the project will play an important role in peaking operation in the power load center.

"We are very pleased to be continuing our partnership with Shenzhen Energy to help advance the decarbonization of energy production in the GBA," said Karim Amin, Executive Vice President, Siemens Energy, Generation. "At the center of this is a spirit of cooperation with a focus on innovation, safety and reliability. By working together, we can combine our respective industry expertise to further support China's path to a low-carbon future."

Xiong Peijin, chairman of Shenzhen Energy Corporation, said, "We are pleased to be continuing to deepen our practical cooperation with Siemens Energy in the field of clean energy, By joining hands to raise the percentage of clean energy for the Guangdong Province and GBA, we are helping create a safe, efficient and low-carbon energy supply system for the region."

Siemens Energy and Shenzhen Energy Corporation signed the Comprehensive Strategic Partnership Agreement in December 2019. According to the agreement, the two sides will jointly build energy laboratories and actively expand cooperation in energy technology research and development, comprehensive solutions for clean energy, smart energy and digitalization, and green hydrogen energy. In January 2021, Siemens Energy launched its Shenzhen Innovation Center, and the two companies signed a framework agreement to continuously strengthen cooperation in technology and industrialization.



The SGT5-4000F gas turbine has been optimized for outstanding performance and excellent efficiency

Contact for journalists

Amy Pempel
Phone: +1 407-408-1932
E-mail: amy.pempel@siemens-energy.com

This press release and a press picture are available at: www.siemens-energy.com/press

Siemens Energy AG
Communications
Head: Robin Zimmermann

Otto-Hahn-Ring 6
81739 Munich
Germany

Press release



For further information on Division Generation, please see <https://bit.ly/3ejNhE4>

For further information on the SGT5-4000F please see <https://bit.ly/33WfJHp>

Follow us on Twitter at: www.twitter.com/siemens_energy

Siemens Energy is one of the world's leading energy technology companies. The company works with its customers and partners on energy systems for the future, thus supporting the transition to a more sustainable world. With its portfolio of products, solutions and services, Siemens Energy covers almost the entire energy value chain – from power generation and transmission to storage. The portfolio includes conventional and renewable energy technology, such as gas and steam turbines, hybrid power plants operated with hydrogen, and power generators and transformers. More than 50 percent of the portfolio has already been decarbonized. A majority stake in the listed company Siemens Gamesa Renewable Energy (SGRE) makes Siemens Energy a global market leader for renewable energies. An estimated one-sixth of the electricity generated worldwide is based on technologies from Siemens Energy. Siemens Energy employs more than 90,000 people worldwide in more than 90 countries and generated revenue of around €27.5 billion in fiscal year 2020. www.siemens-energy.com.