

Press release

Munich, October 14, 2020

Siemens Energy to help Total achieve low-emission goals for largest LNG project in Africa

- **The project represents Mozambique's first onshore LNG development**
- **Siemens Energy gas turbines will help generate low-emission power onsite**

CCS JV (a joint venture between Saipem and McDermott) recently selected Siemens Energy to supply emissions-reducing power generation equipment and boil-off gas compressors for the Mozambique LNG Project in the Cabo Delgado province on Africa's East Coast. The project, led by TOTAL E&P Mozambique Area 1, includes the development of offshore gas fields in Mozambique's Area 1 and a liquefaction plant with a capacity in excess of 12 million tons per year.

As part of the contract, Siemens Energy will supply six SGT-800 industrial gas turbines that will be used for low-emissions onsite power generation.

With more than eight million total fleet operating hours and more than 400 units sold, the SGT-800 turbine is ideally suited for power generation, particularly in LNG applications, where reliability and efficiency are critical. The 54MW turbine rating selected for this project has a gross efficiency of 39

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percent. It is equipped with a robust, dry low-emission (DLE) combustion system that enables world-class emission performance over a wide load range.

“Mozambique LNG is the country’s first onshore LNG development project and will play a key role in meeting the increasing demand for energy in the Asia-Pacific, Middle East, and Indian sub-continent markets,” said Thorbjørn Fors, Executive Vice President for Siemens Energy Industrial Applications. “We look forward to helping Total drive toward the lowest possible plant emissions profile and contributing to its goal of delivering clean, reliable energy to customers across the globe.”

Siemens Energy will also supply four centrifugal compressors for boil-off gas (BOG) service. A key feature of these compressors is the inlet guide vane (IGV) system that allows for optimization of power consumption according to changes in operational parameters such as inlet temperature and outlet pressure.

The gas turbines are slated for delivery in the second half of 2021 and the first half of 2022. The delivery of the compressors is scheduled for 2021.

“We’re proud to be part of this important project as a supplier of reliable, field-proven rotating equipment that will help contribute to the long-term economic growth of Mozambique and the prosperity of its citizens,” said Arja Talakar, Senior Vice President, Industrial Applications Products for Siemens Energy.

The equipment order for the Mozambique LNG project comes on the heels of a recent agreement between Total and Siemens Energy to advance new concepts for low-emissions LNG production. As part of the contract, Siemens Energy is conducting studies to explore a variety of possible liquefaction and power

generation plant designs, with the goal of decarbonizing LNG facility development and operation.



Above: *The SGT-800 gas turbines that will be used for this project are equipped with a robust, dry low-emission combustion system that enables world-class emission performance over a wide load range.*

This press release and a press picture / further material is available at

<https://bit.ly/3ICA0Of>

For further information on Siemens Energy, please see

www.siemens-energy.com

For further information on boil-off gas compressors, please see

<https://sie.ag/2mnUNac>

For further information on SGT-800 gas turbines, see <https://sie.ag/2Ug43u6>

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