

Press release

Houston, March 19, 2021

Siemens Energy to supply eight topside modules and support for FPSO vessel offshore South America

- Siemens Energy was awarded an engineering procurement construction (EPC) contract from MISC Berhad for the supply of eight complete topside modules for a floating production, storage, and offloading (FPSO) vessel
- The FPSO will operate in an oil field offshore South America and is scheduled for start-up in 2024

Siemens Energy was awarded a topside EPC contract by MISC Berhad for eight complete topside modules that will provide sustainable, efficient, and environmentally friendly power generation, transmission, and distribution, as well as gas processing and compression aboard an FPSO that will operate offshore South America starting in 2024.

MISC Berhad is building the FPSO to expand its fleet of 14 floating production systems. The FPSO is expected to have a processing capacity of 180,000 barrels of oil and 12 million cubic meters of gas per day.

“The order demonstrates our strengths and capabilities to transform FPSO operations to be more sustainable while fulfilling production requirements,” said Thorbjørn Fors, Executive Vice President for Siemens Energy Industrial Applications.

The topside modules will be designed and manufactured across Asia, with main engineering and execution activities done through Singapore. Packaging for all the rotating equipment packages will occur at Siemens Energy’s Santa Barbara d’Oeste facility in Brazil. The facility is also fully equipped to provide support and service to the FPSO’s modules once it is deployed.

Siemens Energy’s scope of supply includes the EPC work for all eight modules and several key components: two electric, low-pressure centrifugal compressors; two electric, CO₂ compressors; three main injection compressors driven by Siemens Energy SGT-A35-GT62X gas turbines; four

Siemens Energy SGT-A35-GT30 gas turbines for power generation; an E-house; plus all electricals including an electrical control and management system (ECMS).

The ECMS is being designed to provide monitoring and supervision for the power generation and distribution network for load management of the FPSO facility, including topside and marine. MISC Berhad and the FPSO operator can use the ECMS to monitor FPSO power, generate reports, and plan for future sustainability.

“Our mission is to help our partners in their energy transition by providing the equipment, infrastructure, and support to create thoughtful and sustainable change without compromising their ability to meet the world’s growing energy needs,” said Arja Talakar, Senior Vice President, Industrial Applications Products for Siemens Energy.



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This press release and press pictures are available at <https://bit.ly/2OQk6jo>

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For further information on FPSO production, please see <https://bit.ly/3rQv9Yy>

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