

Press release

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Siemens Energy to supply topsides turbomachinery scope for Búzios 6 FPSO project

- Siemens Energy will supply both the power generation and compression packages for the Petrobras-operated P-78 FPSO.
- The ability to contribute to meet P-78 local content requirements through Siemens Energy's manufacturing and packaging facility in Santa Barbara d'Oeste, São Paulo was part of the project execution plan.

Siemens Energy was awarded a contract from Keppel Offshore & Marine to supply the topsides turbomachinery package for the P-78 floating, production, storage, and offloading (FPSO) vessel. The FPSO is owned and operated by Brazil-based Petrobras in partnership with Chinese CNOOC and CNODC and will operate in the Búzios Field of the Santos Basin, located approximately 200 kilometers (124 miles) off the coast of Rio de Janeiro in water depths ranging from 1,600 – 2,100 meters (5,249 – 6,890 feet).

Siemens Energy's scope of supply for the project includes the power generation and compression packages for the facility, including main gas, export gas, injection gas, and CO₂ injection compressors.

The power supply will be met with four gas turbine generator packages.

Main gas, export gas, and injection gas compression duties will be met with eight electric motor-driven compressor trains. Two additional trains featuring aeroderivative gas turbines driving centrifugal compressors will be used for reinjection of CO₂ back into the reservoir. When complete, P-78 will have a processing capacity of 180,000 barrels of oil per day (bopd) and 7.2 million cubic meters of gas per day (mmscfd).

Siemens Energy's ability to contribute to P-78 local content requirements for the project through its manufacturing and packaging facility in Santa Barbara d'Oeste in the São Paulo province was a valuable consideration in the project execution plan. The facility was commissioned in 2013 and has played a critical role in meeting localization mandates established by the Brazilian National Petroleum Agency (ANP) on several major oil and gas development projects in South America.

"We are proud to support Brazil's efforts to promote the use of local content in its offshore hydrocarbon sector," said Thorbjörn Fors, Executive Vice President, Industrial Applications at Siemens Energy. "The equipment packages selected for the P-78 FPSO will enable Petrobras to efficiently and sustainably exploit reserves from the Búzios field. Furthermore, the contract award is yet another example of our growing presence in the region and our emergence as a preferred supplier of rotating equipment for the offshore FPSO market."

Delivery of the equipment is slated for 2023. The P-78 FPSO is expected to enter operation in 2025.

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

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Left: Gas turbine assembly at Siemens Energy's Santa Bárbara d'Oeste factory.

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