

# Mero-3: Powering one of the world's largest deepwater FPSOs



180,000 bopd  
440 mmcsfd



## PROJECT TYPE

Floating production, storage and offloading (FPSO)



Gas turbine



Compressor



High efficiency



Strong network



## Oil and Gas



### Customer Challenge/Driver

Marechal Duque de Caxias is one of the largest ultra-deepwater FPSOs in the world, installed in the **Mero field** roughly 180 kilometers off the coast of Brazil. MISC Berhad is looking for ways to implement topside packages that minimize footprint and weight while still meeting electrical and mechanical power requirements. In addition, there are **local content requirements** for multiple parts of the project such as engineering, equipment and construction.



### Portfolio Elements/Scope

- 4 x SGT-A35 gas turbine generator and 3 x SGT-A35 gas turbine compressor packages
- 4 x electric motor compression trains
- E-House and marine electrical systems
- Engineering, procurement, and construction work for 8 modules



### Customer Benefit

- One-stop solution engaging Siemens Energy global network throughout entire project lifecycle
- Lightweight, fuel flexible aeroderivative gas turbines incl. high efficiency, power density and reliability
- DATUM centrifugal injection compressors accommodating multiple process stages and side streams within each casing
- ECMS to closely monitor power usage and optimize operations

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