

Shell Stones FPSO

Project: Shell Stones (Turritella) FPSO

Ultimate Client: Shell Offshore Inc.

Client: SBM Offshore

Location: Gulf of Mexico (GoM)

Project Type: Offshore

Scope: Fabrication of 8 topside modules (including Power Generation units) with the heaviest weighing about 1,100 tons. Delivered in 2014.

Highlights:

- Total module weights near to 4,000 tons.
- Lifting of each heavy weight module safely to integration yard.
- The Asian Hercules II and Asian Hercules III carried heavy-lift operations with the Asian Helping Hand III assisting with module installation on the FPSO.



HP/LP Separation Module

Details:

- First FPSO that Shell deployed in GoM. 2nd FPSO vessel installed in the hurricane-prone GoM. (First was Petrobras FPSO BW Pioneer).
- World's deepest production unit and deepest FPSO at 2,900 m water depth.
- Largest dis-connectable buoy (Buoyant Turret Mooring) and the first dis-connectable FPSO with steel risers.
- Designed to handle a daily capacity of 60,000 b/d of oil and 15 MMSCFD of natural gas and a storage capacity of 800,000 barrels of oil.
- Hull conversion and topsides integration carried out by Keppel Shipyard in Singapore.



Achievements / Awards:

- Completed on schedule and within budget.
- Highest quality of delivery is achieved to enable the FPSO to be deployed at the ultra-deep waters and extreme weather condition.
- 10,000 dia-inch of exotic material duplex welding with near zero defects.
- Achieved million construction manhours with no Lost Time Incident (LTI)