

WITH YOU EVERY STEP OF THE WAY

An enduring approach to pre-commissioning activities on BP GTA FPSO from construction to final installation



Specialist services
Multi-skilled workforce
Local content
Project delivery

The Challenge

Today’s offshore developments often involve a complex supply chain where modules are built in one country, integrated in another, and then delivered to the offshore project location.

BP awarded Technip Energies and COSCO the contract for engineering, procurement, construction, installation, and commissioning (EPCIC) of a new FPSO unit that would be utilized on the GTA project offshore Mauritania / Senegal.

Technip required the services of a contractor who could provide specialist bolting and flange management, nitrogen (N₂) purging, and nitrogen helium (N₂He) leak-testing services in the construction yard in China, in Singapore, where further installation work would be carried out, during transit, and at final destination off the coast of Mauritania.

The Solution

Recognising the value of end-to-end accountability we adopted an enduring approach to flange management, N₂ purging, and N₂He leak testing from the construction yard through to final commissioning at site.

Working closely with the operator and EPC contractor even before construction had begun, we devised and delivered a plan that would see us stay with the vessel every step of its way from construction yard to final destination.

Our multi-skilled team delivered integrated specialist services including:

- Bolting and flange management services
- N₂ purging
- N₂He leak-testing

The Outcome

By taking stewardship for cleanliness, anti-corrosion, and dryness, we ensured the system was built to expectation, still in the condition it was when manufactured, and provided assurance that critical systems were fit-for-purpose and ready to start.



Specialist services

Delivery of specialist flange management, N₂ purging & N₂He leak testing from the construction yard through to final commissioning at site.

Multi-skilled workforce

Use of multi-skilled technicians delivered project efficiencies in terms of PoB, schedule, and cost.

Local content

EnerMech model and geographic spread ensured timely provision of large-scale logistics and personnel support.

Project delivery

Project was completed to client requirements with **no lost time incidents.**