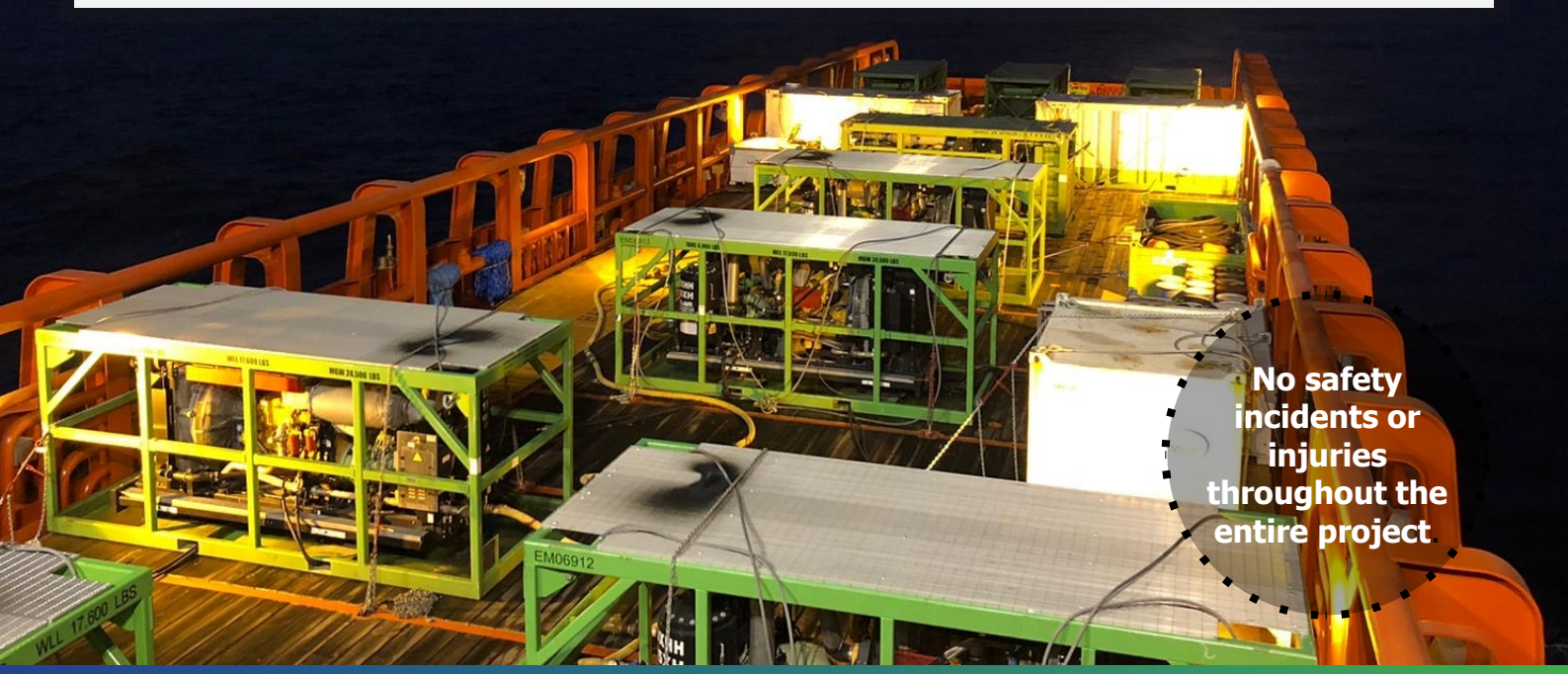
SBM
ExxonMobil Liza Destiny

EnerMech
Safer • Smarter • Solutions



The Liza Destiny FPSO is designed to produce up to 120,000 barrels of oil per day. It has associated gas treatment capacity of circa 170 million cubic feet per day and water injection capacity of circa 200,000 barrels per day. The converted VLCC FPSO will be spread moored in water depth of 1,525 meters and is able to store 1.6 million barrels of crude oil.

EnerMech provided critical pipeline pre-commissioning services to SBM on this project.

Client: SBM

Year: January 2019 – December 2019

Product/Service: Project Management
Pre-Commissioning

Scope of work

Project management and engineering of pipeline pre-commissioning services including:

Leak testing of the three (3) Production Flowlines, two (2) Water Injection Flowlines, and one (1) Gas Injection Flowline.

Monitoring of the 501 Umbilicals during pull-in and laying operations.

Post installation testing of the 501, 501 & 502, and Full Field Umbilicals.

Dewatering of the Gas Injection Flowline.

Project Delivery

The project was managed by our local team based in Guyana supported by our wider Global operations.

EnerMech Americas designed and fabricated the FPSO topside Gas Injection pig launcher.

EnerMech Aberdeen retrofitted two (2) diesel driven WOMA pumps to be Zone II / ATEX compliant as per Client deliverable.

Leak testing and umbilical equipment installed on the FPSO in Singapore.

Regulatory permits obtained (through relationship with Alpha Chemicals) for importation of Umbilical fluids into Guyana.

On-site pre-commissioning scopes completed in Guyana

Key Benefits

On time and successful operational execution with no QHSE incidents.

Critical spares philosophy reduced the risk of operational down-time given the remote location of the project.

Received highest possible marks on Client Evaluation for project management and engineering, personnel, equipment and execution.