



EAP IGE Replacement Project

Mobil Producing Nigeria (MPN)

Ariosh was contracted to handle the East Area Platform (EAP) Inlet Gas Exchanger (IGE) Replacement Project which involved the decommissioning of existing IGE and the associated piping, fabrication of new 85ton deck extension and associated process piping and installation of all the new facilities including pass-3 separator as well as instrumentation, electrical and safety control systems on the east side of EAP GX platform.

The EAP facilities are located in the Ubit field, 22 miles offshore QIT and consists of an integrated gas compression platform (GN), an NGL extraction platform (GX), two flare structures (GT and GU), associated flare bridge supports, riser structures (GR and GS) and a living quarter platform (GO). These facilities are all bridge-connected.

The scope of work included:

Onshore

Construction of deck extension (88.5ft x 30ft) of approximately 85 Tons or more as approved in the IFC drawings. Other onshore works include:

- Construction of diagonal braces
- Construction of Cross over stairway & Access Platform,
- E & I Stands and supports
- Fabrication of lifting beams,
- Process gas lines (HN & GN lines),
- Insulation of the IGE equipment/skid piping connections
- Insulation of Pass-3 Separator piping connections

Offshore

- Pre-shutdown operations
- Installation of the deck extension
- Installation of new IGE and 3-pass separator on the deck extension

Installation of piping and associated supports

- Demolition of existing Platform Lighting and Navigation Lighting circuits to accommodate new deck extension
- Installation and Tie-in of IGE and 3-pass separator instruments
- Installation of New Line of Sight Gas Detectors
- Installation of New UV/IR Flame

Services

Engineering, Procurement, Construction and Installation (EPCI)

Location

East Area Platform, Nigeria, West Africa

Vessels Deployed

Main Vessels:

JUB Bull Ray
JUB Teras Conquest 1

Support Vessels:

PSV Davis Tide
PSV Kalaface
MV Defender 1 (Security)
MV Perez (Crew Boat)

Fabrication Yard

Ariosh Fabrication Yard, Naval Dockyard, Lagos

Total Man-hours

633,333

Safety Record

Zero LTI, Zero MTI

Status

Completed Q3 2018