



Pigging Facilities Upgrade Project Phase 6 Edop QP & Asasa VB

Mobil Producing Nigeria Unlimited (MPNU)

Mobil Producing Nigeria Unlimited (MPN) planned to upgrade or add pigging facilities on several of its active offshore pipelines. Ariosh primary objectives was to scan fabricated spools for the successful installation of the intelligent pig launchers and receivers safely, with minimum impact on existing operations.

The whole philosophy was to bring the pipelines into compliance with the requirements of the MPN Pipeline Integrity Management System. The pipelines covered in the Pigging Facilities Upgrade Project Phase VI are:

- 16-inch Asasa VB Crude Pipeline
- 20-inch Edop QP Crude Pipeline

The scope of work describes the requirement to:

- Perform Laser scan of the platforms.
- Develop 3-D Model of fabricated spools and generate modification drawing for modification of the spools (where required) for seamless installation offshore.
- Perform Laser scan and fabrication assurance on the piping spools (PH – fabrication contractor’s yard)

3D Laser Scanning / Data Collection

Ariosh performed the laser scanning of pipelines covered in the Pigging facilities Upgrade Project Phase VI: 16-inch Asasa VB Crude Pipeline & 20-inch QP Crude Pipeline

Fabrication Assurance (Dimension Control)

Also Ariosh Truebuilt Engineers carried out laser scanning of As-Fabricated spools in the Fabrication yard and used the laser models of the spools to verify Spool Checks and Line Checks

Services

Engineering Design

Location

Nigeria West Africa

Facilities

16-inch Asasa VB Crude Pipeline and 20-inch Edop QP Crude Pipeline

Safety Record

Zero LTI, Zero MTI

Status

Ongoing