



Pigging Facilities Upgrade Project Phase 6 - ETIM LC & ASASA VA

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 platforms covered in the Pigging Facilities Upgrade Project Phase VI are:

- Etim LC
- Asasa VA

The scope of work describes the requirement to:

- Perform Laser scan of the Etim LC platform.
- Perform Laser Scan of the fabricated PFUP6 Etim LC and Asasa VA Piping Spools (at fabrication contractor’s yard)
- Develop 3-D Model of fabricated spools and perform virtual installation of the spools.
- Develop Pipefit Assurance Report stating compliance of fabricated spools to design including recommended modifications to ensure first time fit during installation
- Generate drawings to modification of the spools (where required) for seamless installation offshore.

3D Laser Scanning / Data Collection

Ariosh performed the laser scanning of pipelines covered in the Pigging Facilities Upgrade Project Phase VI: Etim LC and Asasa VA

Fabrication Assurance (Dimension Control)

Also Ariosh Truebuilt Engineers carried out laser scanning of the Fabricated spools to capture the as fabricated laser model of each spools. and used the laser models of the spools to verify Spool Checks and Line Checks

Services

Laser Scanning, As-Built PDMS Modeling

Location

Nigeria West Africa

Facilities

Etim LC and Asasa VA Platforms

Safety Record

Zero LTI, Zero MTI

Status

Ongoing