



Services

As-built & Process Simulation

Facilities

Armada Perkasa FPSO Produced Water System

Location

Lagos, Nigeria

Status

Completed Q4 2014

Scope

- Perform process study and debottlenecking on Armada Perkasa FPSO Produced Water System and recommended solution to ensure optimum system performance
- Carry out field verification and redline integrity critical drawings (across all disciplines) to reflect actual as-built
- Generate accurate 2D as-built integrity-critical drawings from redline markups
- Carry out 3D Laser Scanning of the Okoro wellhead platform.
- Generate intelligent PDMS and Navisworks models for the wellhead platform and link available datasheets and operating manuals to the model
- Generate accurate 2D as-built drawings from 3D PDMS Model
- Carry out design verification of newly proposed flowline connecting Xmas tree OK3 to the production/test manifold and generate shop floor drawings
- Carry out Hysys Simulation of the produced water system to reflect the actual process condition of the facility
- Generate Simulation reports with key recommendations based on findings