



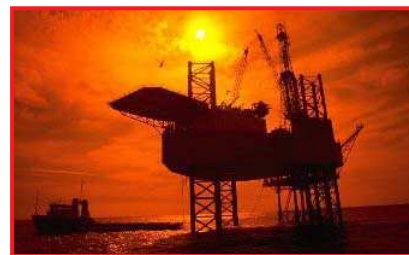
Quantapoint Case Study

Mobil Producing Nigeria Unlimited – Offshore

ASABO Platforms

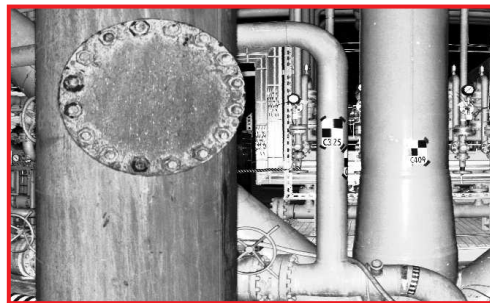
Situation

Mobil Producing Nigeria Unlimited (MPNU) was modifying its ASABO Platform complex to support both safety initiatives and a portfolio of production improvement initiatives for a mature offshore oil field in Nigeria. The project involved extensive modifications to an existing wellhead, injection and production platform.



Challenge

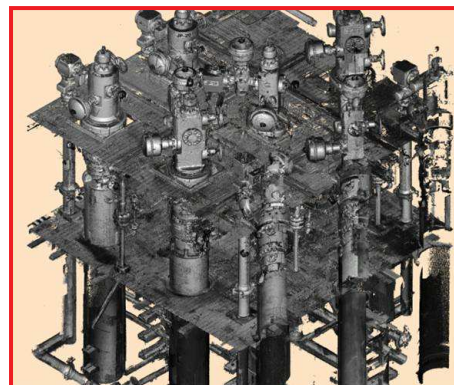
Each platform lacked accurate existing condition documentation. Furthermore, due to limited space in the living quarters, the number of people and time spent on each platform had to be minimized. MPNU's goal was to generate accurate existing conditions documentation in a manner that promoted safety yet significantly reduced the amount of time spent on each platform collecting the data.



Quantapoint 2D Laser Scan (Not a Picture)
Each Point is a Measurement

Solution

MPNU selected Quantapoint to gather accurate as-built information for the platforms. Quantapoint rapidly collected, registered and verified billions of highly accurate measurements to provide a consistent and up-to-date “digitized platform” of laser documentation™ that included dimensions, elevations, layout and other information – without manual measurement, purchasing costly hardware or time-consuming drawing re-creation or remodeling.



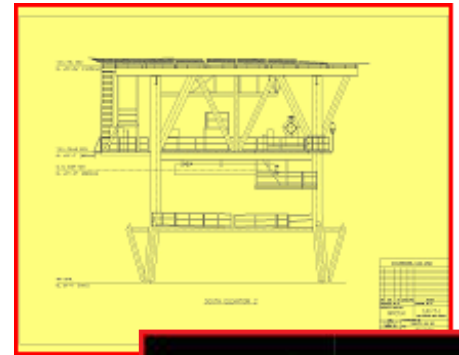
Quantapoint 3D Laser Model (Not CAD)
Share Across the Entire Team

Results

Quantapoint was able to digitize each platform in only three days with two field specialists. Additionally, the range of our laser technology enabled areas that were not easily accessible to be captured without scaffolding or man-lifts.



Quantapoint used the digitized platform to create detailed and accurate 2D drawings for the platforms. Roughly two hundred 2D drawings were created without any additional field trips to the platforms. The drawings included Piping & Instrumentation Diagrams, Piping Isometrics, Equipment Arrangements, Framing Plans, Piping Plans, Elevations and Miscellaneous Sections and Details.



Quantapoint also delivered 3D laser models which integrated the laser documentation to provide an interactive 3D view of the platform using Quantapoint's PRISM 3D software. 3D CAD models could be displayed with and clashed against the 3D laser models in PRISM 3D to verify designs.

