

# CASE STUDY

## VERTECH GROUP

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# OFFSHORE DRILLING – SEMI SUB MANAGEMENT

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## 1 / Introduction

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Over three years, Veritech was entrusted with overseeing the inspection and compliance of all lifting equipment and drill handling tools, leveraging their proprietary VIIPER management database. Alongside this core responsibility, Veritech was

also commissioned to undertake many tasks, ranging from in-depth dropped object surveys and remediation programs to derrick surveys, crane inspections, and various rope access maintenance activities.

## 2 / Innovation

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Central to Veritech's approach was the deployment of ViiPER.net, a state-of-the-art online lifting and integrity data management tool developed by Veritech. Boasting a user-friendly interface melded with robust functionality, ViiPER.net was designed to manage lifting equipment and safety apparatus adeptly through their entire lifecycle. It diligently recorded every bit of data and documentation, ensuring that the facility's lifting prerequisites consistently aligned with NATA and AS standards.

A standout feature of this system was its real-time capabilities, which encompassed automated inspection reports and work pack creation. This automation translated to a staggering reduction of up to 80% in reporting and planning durations.



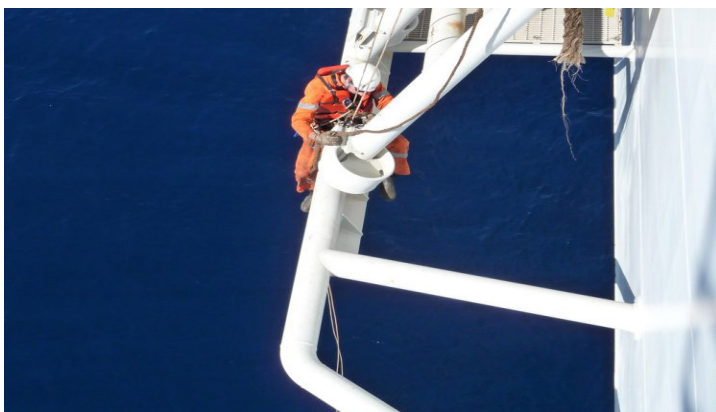
## 3 / Project Summary

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Vertech deployed multi-skilled teams to manage all of Diamond Offshore's inspection and maintenance initiatives regarding at-height inspections. The benefits were palpable regarding safety, cost efficiency, and time optimization. These seasoned rope access teams were entrusted with many tasks, including DROPS inspections, API 4G derrick inspections, NATA and AS-compliant Lifting equipment inspections, and inspections of top drive systems and API 2C cranes.

Vertech's versatile NDT inspectors employed a spectrum of testing methods in the realm of non-destructive testing. This encompassed Magnetic Particle Testing for drill handling tools, Eddy Current Inspection for welds on various structures, Ultrasonic Testing on hull structures and a plethora of other equipment, and additional testing methods like Dye Penetrant Testing, Dimensional Verification and inspection, and Proof Load Testing.

Further amplifying the scope of their service, Vertech provided specialist maintenance through their high mobility, multi-disciplinary teams. This dynamic composition, which included IRATA Level 3 Supervisors, Mechanical Fitters, and other specialists, rendered Vertech adept at responding to various maintenance demands. From rope access scaffolding and electrical cable installation to specialized tasks such as hydraulic hoe replacements and crane preventive maintenance, Vertech demonstrated a holistic approach to offshore semi-sub management, adding value and efficiency at every juncture.





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