

CASE STUDY

VERTECH GROUP

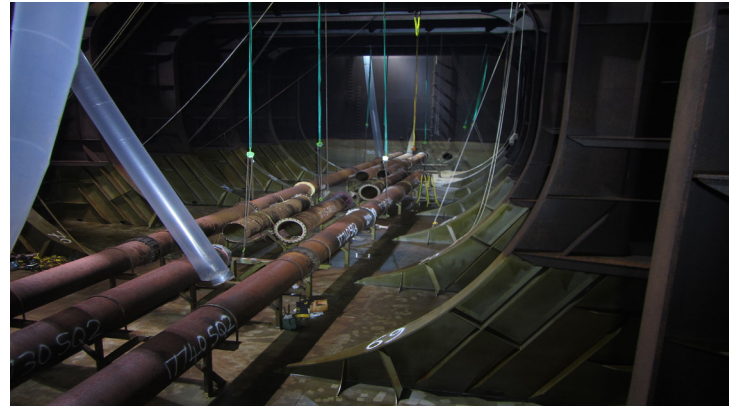
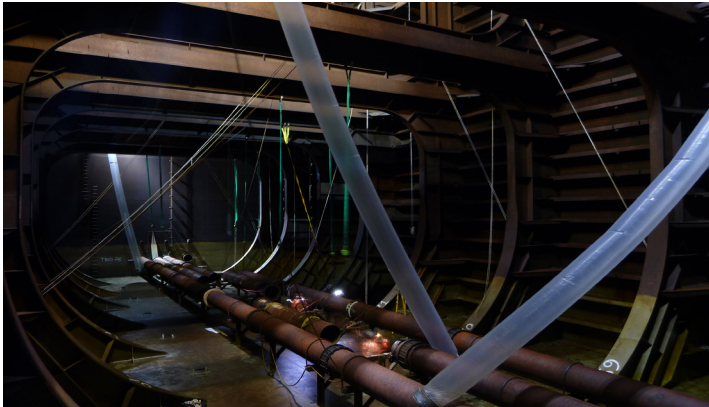
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MARINE PIPING, FABRIC & MAINTENANCE



1 / Introduction

Regarding the integrity of maritime structures, timely and efficient inspections and maintenance are crucial. Vertech was entrusted with the significant responsibility of performing critical hull integrity inspections and overseeing the complex

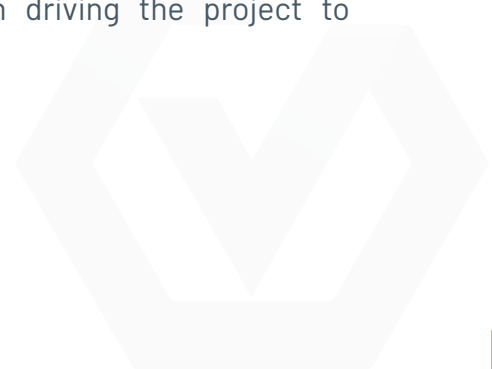
replacement of a cargo piping system within an FPSO's hull. This case study delves into the challenges faced, innovative solutions proposed, and the commendable outcomes achieved.

2 / Innovation

The environment posed significant challenges, primarily due to its confined nature, high temperatures, and multiple workgroups carrying out simultaneous tasks. However, the unique difficulties also paved the way for innovative solutions. One primary obstacle was the limited rigging points in the cargo tank spaces. Leveraging their expertise in rope access, Vertech used the internal bulkhead and transverse web structures as primary rigging points, allowing for efficient movement of damaged and repaired pipework.

In addition to offering efficient rigging solutions, Vertech played a pivotal role in crafting and

implementing detailed lift plans, ensuring each operation was conducted safely and proficiently. Their engagement continued beyond planning. A 10-member multi-discipline team was deployed for ongoing engineering support and repair execution. The team's diverse capabilities, spanning access solutions, technical rigging, welding inspection, 3D modelling, NDT testing, and general repair support, became instrumental in driving the project to success.



3 / Project Summary

With a call to action just days before Christmas Eve, Vertech swiftly responded by assembling and deploying several specialised teams before the New Year. These teams undertook the task of assessing and inspecting the damaged pipework using NDT methods.

Despite the numerous challenges, Vertech’s multidisciplinary team showcased their resilience, professionalism, and innovative thinking, proving integral to the successful completion of the project. Their capabilities facilitated the efficient replacement of the cargo piping system and led

to the FPSO resuming full production ahead of the planned schedule and below the anticipated budget. The team’s approach and solutions exemplify how challenges can be transformed into opportunities through expertise, innovation, and determination.



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