

CASE STUDY

MARINE PIPING, FABRIC AND MAINTENANCE

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VERTECH

INTRODUCTION

Maintaining the integrity of maritime structures is essential to ensuring operational safety and longevity. Vertech was engaged to perform critical hull integrity inspections and manage the complex replacement of a damaged cargo piping system within an FPSO's hull. This case study outlines the challenges encountered and the innovative approach taken to deliver a successful outcome.

PROCESS

Operating in confined, high-temperature spaces with limited rigging points and multiple concurrent workgroups, Vertech overcame significant environmental challenges. By using internal bulkhead and transverse web structures for rigging, the team enabled safe and efficient movement of materials.

Vertech developed and executed detailed lift plans while deploying a ten-person multidisciplinary team. Their expertise spanned rope access, rigging, welding inspection, NDT, 3D modelling, and engineering support, allowing the team to adapt rapidly and manage all aspects of the repair process.

OUTCOME

Called to action just days before Christmas Eve, Vertech responded swiftly by assembling and deploying several specialised teams before the New Year. Their collaborative, solution-focused approach led to the successful replacement of the cargo piping system ahead of schedule and under budget. The FPSO resumed full production earlier than anticipated, demonstrating Vertech's ability to turn complex challenges into efficient, cost-effective outcomes.

