

CARGO OIL TANK INSPECTIONS TANK INSPECTION SOLUTIONS

PROJECT INFORMATION

Project: Cargo Oil Tank Inspections

Type of facility: Offshore FPSO

Industry: Oil and Gas

Safety: Removal of Working at Height

Project efficiencies: Time and Resource



SCOPE OF WORK

ACE were contracted by an Oil and Gas operator to perform internal tank inspections on board one of their Floating Production and Storage and Offloading (FPSO) Vessel in the North Sea. The client needed to perform inspections on Cargo Oil tanks as quickly as possible to bring the FPSO back to max operating and storage capacity and reduce down time.

SOLUTION

Air Control Entech deployed a technician to work alongside the incumbent inspection provider to maximize quality and efficiency. Utilizing an Elios 2 internal inspection drone the team were able to perform a full visual inspection of the tank satisfying the vessels class society.



INSPECTION FROM EVERY ANGLE

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RESULTS AND BENEFITS

The client receives a fully class accredited report for every assets inspected!

- > Rapid inspection of Tanks
- > No working at height required for any inspections works
- > Only 1 ACE personnel and 1 Inspector required
- > Detailed reports issued within 7 days of demobilisation
- > Use of multi-skilled teams allowed the operator to benefit from multiple technologies being utilised without the need for more personnel
- > Project delivered on time with no disruption to ongoing operations

Factor	Conventional	Robotics
Personnel Required	4-6	2
Cost	>£100k / Tank	£20k / Tank
Time	7 Days / Tank	1-2 Days / Tank
Impact on operations	More resources required on asset	Only 2 bunks required!
Hazard	High Risk	Low Risk
Differentiator	Low quality photos and UTM	High resolution photos, video and UTM



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INSPECTION FROM EVERY ANGLE

