

IN SERVICE TANK INSPECTIONS TANK INSPECTION SOLUTIONS

PROJECT INFORMATION

Project: In Service Internal Tank Inspections

Type of facility: Offshore FPSO

Industry: Oil and Gas

Safety: No Man Entry

Project efficiencies: In Service Inspection



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 was initially looking for a drone service provider however after an initial consultation ACE advised that there is a better, safer and more cost-effective method.

SOLUTION

Air Control Entech deployed a mini-ROV to perform visual and UT inspections within ballast and potable water tanks to remove the need to empty the tanks, isolate, ventilate and enter. Not only was a full visual inspection performed; the ACE inspection was also class society accredited and included UTM.



INSPECTION FROM EVERY ANGLE

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RESULTS AND BENEFITS

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

- > In-Service Inspection of ballast and potable water tanks.
 - > No isolations, draining, ventilation, man entry, etc. required!
- > No working at height required for any inspections works
- > 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	£10k / Tank
Time	7 Days / Tank	1-2 Days / Tank
Impact on operations	Isolations, man entry, ventilation, draining of tanks. Non-Operable for >14 Days	In-service inspection
Hazard	High Risk	Low Risk
Differentiator	Low quality photos and UTM	High resolution photos, video and UTM



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