

Potable Water In-Service ROV Inspection

PROJECT INFORMATION

Project: Potable Water Tank Inspection

Type of facility: FPSO

Industry: Oil & Gas

Safety: Eliminate Rope Access/Scaffold towers and the risk of working at height and confined space entry

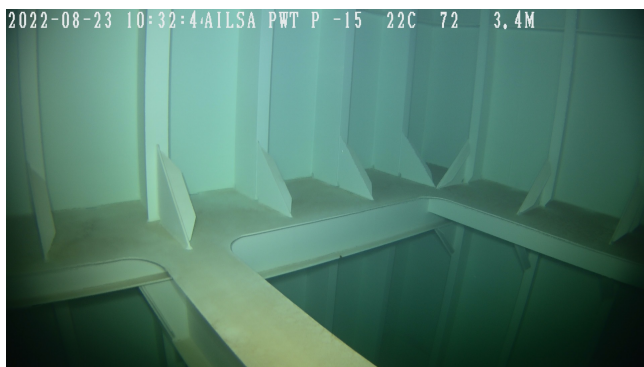
Project efficiencies: no disruption to asset, no preparation of tank, followed by super chlorination, inspections completed in 2 days compared to tank out of action for 3 weeks

SCOPE OF WORK

Data acquisition of internal structure of potable water tanks. Recording UHD footage and HD imagery. All plates, longitudinals and welds captured during ROV CVI then reported as per requirements of DNV Class.

SOLUTION

Full inspection of the potable water tanks using an ROV. All data collected and submitted into inspection reports for review and actions. Tanks are not required to be emptied and cleaned prior to inspection allowing quick, efficient ROV data acquisition. This allowed for inspection within a confined space with minimal disruption to asset and zero-man entry into confined space



INSPECTION FROM EVERY ANGLE

Potable Water In-service ROV Inspection

RESULTS AND BENEFITS

- Detailed ultra high-definition video footage captured with high resolution imagery to support throughout the full inspection of the cargo oil tanks.
- Tanks do not require any preparation No expensive scaffold towers within the cargo oil tanks extensively reducing man hours.
- Greater visibility and enhanced maintenance planning potential for the client through provision of robust evidence on the physical state of inaccessible internal tank structure and plating, i.e inner shell, top/bottom plates.
- Use of multi-skilled teams reduced the risk with ROV but retaining the inspection expertise, leading to greater control over project delivery.
- Project delivered on time with no disruption to ongoing plant activities.

Factor	Conventional Access	ROV
Personnel Required	3 Scaffolders + 3 RA Team, 2 inspection techs, cleaning team for super chlorination	1 Pilot 1 Payload Operator/Tank Sentry Rescue Team
Duration	21-28 days	2 days
Impact on operations	Out of service tanks for longer periods	Zero
Hazard	High Risk	Low Risk
Differentiator	Hand-held camera and imagery	Safer operationally Full 4k video and imagery



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INSPECTION FROM EVERY ANGLE

