

UWILD Inspection ACE-S-300 ROV System

PROJECT INFORMATION

Project: In Water External Hull Inspection

Type Of Facility: Fishing Vessel

Industry: Maritime

Safety: No Exposure To Human Underwater Working

Project Efficiencies: Full Inspection In Less Than Half A Day With No Need For Standby Divers Or Men In Water



SCOPE OF WORK

To perform a comprehensive visual inspection of the ship's hull to identify any potential issues or damages without the need for divers or dry docking, thereby minimising operational downtime and reducing associated costs. Work must be class compliant.

CHALLENGES

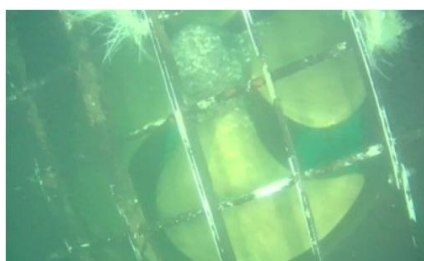
- Conducting a thorough inspection of an operational ship's hull submerged in water.
- Eliminating the necessity for divers, which introduces risks and potential for human error, while also aiming to avoid the high costs and logistical complexities of dry docking the vessel.
- Ensuring minimal disruption to the vessel's fishing operations during the inspection process.

SOLUTIONS

Air Control Entech proposed the use of advanced underwater ROV (Remotely Operated Vehicle) technology equipped with high-resolution cameras and lighting systems to conduct a detailed visual inspection of the ship's hull. This innovative approach was designed to meet the client's objectives efficiently and safely.

By employing Air Control Entech's advanced ROV technology for the hull inspection, the fishing vessel operator was able to achieve a detailed assessment of the ship's hull condition without resorting to costly and time-consuming traditional methods like dry docking or diver inspections, thereby ensuring continuous operational readiness and safety at sea.

This approach not only demonstrated Air Control Entech's capability to deliver innovative solutions tailored to the unique needs of maritime clients but also reinforced the value of leveraging technology to enhance safety, efficiency, and cost-effectiveness in marine operations.



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INSPECTION FROM EVERY ANGLE


AIR CONTROL
ENTECH
An SRJ Technologies Group Plc Company

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RESULTS AND BENEFITS

- > No Need For Potentially Hazardous Diver Entry
- > No Need For DSV
- > Large Data Set Delivered
- > Fast, Efficient & Safe Inspection Method
- > High Resolution Stills And Video Provided To Client On Site
- > Full Inspection Report On Findings Delivered Soon After
- > Project Delivered Successfully Within Given Time Frame

Factor	Conventional Access	Robotics
Personnel Required	2 Divers + SB Diver	1 Pilot, 1 Inspector
Cost	≅£40k	<£10k
Duration	2 Days	2 Hours
Impact On Operations	No Operations With Divers In Water	No Operations With ROV In Water
Hazard	High Risk	Low Risk
Differentiator	Costly, Hazardous	Safe, Efficient



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