

DELIVERING SUBSEA SOLUTIONS

USING REMOTELY OPERATED VEHICLES



ABOUT US

Oceana Subsea Ltd is an independent ROV operating company based in the UK, offering a wide range of subsea support services around the world. ROVs are the subsea equivalent of tractors operated onshore, enabling us to view what is happening below the surface of the oceans, and to deploy tools such as cleaners, cutters, dredgers and torque wrenches at depths up to many thousands of metres.

Operated by skilled personnel based on the vessel and controlling the ROV via a power and data umbilical cable, Oceana's ROVs provide support to our clients in a variety of applications, including:

• **Exploration and accurate survey of the seabed is needed to find suitable, safe and environmentally benign sites for subsea infrastructure, such as Offshore Wind Turbine foundations or Oil & Gas Wells or Pipelines. The ROV will typically provide:**

- Subsea Inspection & Survey
- Multibeam bathymetric Surveys
- Sub-bottom Pipeline & Cable detection
- Anchor Chain and Hull inspections
- UXO Survey
- Metrology and Photogrammetry / Videogrammetry

• **Support for offshore construction and installation, where the ROV provides the eyes and 'hands' underwater, to enable accurate placement and connection of subsea infrastructure. This will often involve:**

- Offshore Alternative Energy Installation and Maintenance support
- Sub-bottom Pipeline & Cable detection
- UXO Survey
- Pipe & Cable lay support
- Construction Support
- Metrology and Photogrammetry / Videogrammetry

• **Offshore Exploration Drilling and Production, where the ROV typically provides:**

- Subsea Inspection
- Seal Changes
- Guide Wire replacement
- Spoil removal
- Drill string positioning
- General Drill Support

• **Offshore Inspection, Repair and Maintenance, to ensure that installed infrastructure remains safe and operational. The ROV can provide visual and NDT type inspections and can carry out routine maintenance tasks, including:**

- Subsea Inspection & Survey, including structural, anchor chain and hull inspection
- Offshore Alternative Energy Installation inspection
- Cathodic Protection surveys and anode replacement
- ACFM Weld Inspection
- Flooded Member Detection, corrosion inspection
- Sub-bottom Pipeline & Cable detection
- Cable cutting and recovery to surface for splices or repairs

• **Support for offshore decommissioning, where the ROV will provide the eyes and 'hands' underwater, to enable the safe removal of redundant offshore infrastructure, including:**

- Subsea Inspection & Survey
- Subsea Intervention & Decommissioning Support
- Sub-bottom Pipeline & Cable detection
- Photogrammetry / Videogrammetry
- As-cleared surveys

These tasks vary widely in their scope; in some cases the scope can be best completed using Inspection Class ROVs ranging from 'eyeball' systems such as Seaeye Falcons and Tigers and mid range electric systems like the Super Mohawk which can carry small tools & NDT sensors, up to Work Class Triton XL systems which are capable of working in deep water and carrying out construction and intervention tasks. Where systems need to provide high flow hydraulic control or heavy duty intervention, larger and more powerful Triton XLX, or Quantum Work Class ROVs are available

The key to delivering the right solutions is to analyse the deliverable: if the end result is the removal of a wellhead casing and this can be done with a crane launched 100HP ROV system fitted with some specialist tooling, Oceana won't propose an over the top spread with 150HP or 200HP ROVS, TMS and huge LARS. Where the installation is long term and has to be flexible to deliver a wide range of services, the bigger more complex ROV system may be applicable to avoid changes for specific work-scopes. Oceana's focus is always on understanding the outcomes in order to select the best tools for the job.

Systems can be configured as free-flying where deck space is at a premium, A-frame, TMS launched where control in high currents or extreme depths are required and any combination in between according to the available installation areas and Client requirements.

PEOPLE – OUR BEST ASSETS

Oceana Subsea values the significant contribution that personnel bring to any project and has chosen its key ROV systems carefully to ensure that it has a pool of personnel with high levels of experience working with these systems. Oceana has experienced ROV Engineers available to build bespoke hardware and has built strong relationships with tooling manufacturers to ensure we can meet all the needs of our Clients.

The management of the company has extensive experience working in both the ROV and Survey Sectors of our industry for over 20 years, in various parts of the world. The understanding gained by having been on the deck, carrying out the work, brings with it the knowledge of how to plan, execute and deliver the required results on every project.

From proposal to delivery of the final results, Oceana's personnel *know how to do it, know how not to do it and understand what the key drivers for our Clients are.*

Details of how Oceana can help you deliver solutions to your offshore challenges from: info@oceanasubsea.com or contact:

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