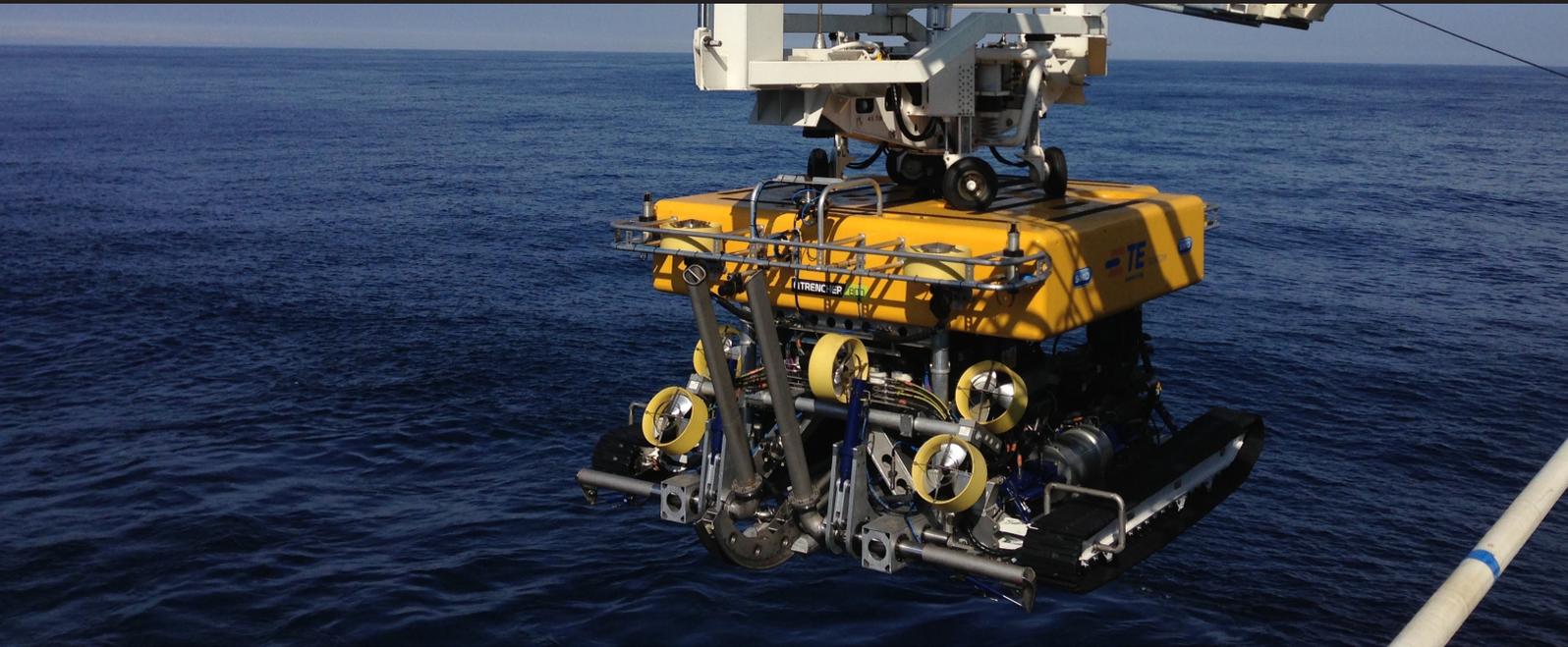


# ASSET SUPPORT

ASSET INSPECTION | REPAIR SERVICES | MAJOR REFURBS & LIFE EXTENSIONS | FUTURE PROOFING | UPGRADE & ENHANCEMENTS



We know every customer is different, with a unique requirement for support based around asset fleet size, geographic locations and the level of internal resource available. Our asset management services are tailored to you, ensuring shared success every step of the way.

SMD Services is proud to provide our customers with a wide range of industry leading support solutions which are specifically designed to ensure that you are always prepared for operations and benefit from maximum equipment operating time.

Our asset support solutions are both intelligent and cost effective because we work in partnership with our customers to provide through life support. This includes the analysis of all operating data to maintain your asset to OEM recommendations and equipment enhancements. All SMD asset support tools are designed to help you reduce risk and operating costs.

- \_ Improve asset availability and mitigate operational risk by identifying potential failures due to lapses in maintenance.
- \_ Maximise long-term asset value and ROI through alignment with the very latest technologies.
- \_ Save money in the long-term by adopting OEM failure prevention recommendations and support.
- \_ Increase end-client confidence through fully verified equipment status reports.

## ASSET INTEGRITY

Protecting asset integrity is the bedrock of any operation to ensure reliability and maximum in water time. SMD engineers are experts in carrying out rigorous asset inspections which are based on the very latest OEM standards and fully benchmarked against current engineering standards to guarantee each asset remains in optimum condition.

This service is the most proactive stage of any asset management strategy. By performing OEM asset inspections, owners can prevent or mitigate the financial impact of a breakdown. The inspection will provide you with the latest engineering advice and spares recommendations and will also recognise and categorise potential points of failure or obsolescence in the future.

## ASSET INSPECTION

It's our job to build an understanding of your requirements and develop a fully-customised approach to developing a unique asset management package for you.

Our modular asset inspection schedule is separated into three distinct areas of focus and carried out by our experienced engineers using SMD's approved asset integrity reporting documents:

**Visual inspection** - a comprehensive survey of equipment is assessed by an approved OEM expert to determine levels of surface corrosion, mechanical wear and tear as well as clearly identifiable areas of damage.

**Asset functionality** - systems are tested to an agreed OEM standard to identify areas of concern and potential failure points. These steps are also applied to critical spares associated with the asset under inspection.

**Report** - we present you with a comprehensive report summarising all data results and conclusions. This includes recommendations for remedial action and suggested improvements. Our recommendations and proposed action plans are documented using a grading system to determine priority against failure protection. We will also provide details on potential obsolescence issues and offer advice on spares, upgrades and performance enhancement for each asset under review. Through our spares management expertise, we can always ensure fast access to OEM replacement parts to help you minimise downtime, guard against obsolescence and secure high levels of asset availability.

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"SMD provided a highly skilled surveyor who inspected our kiosk and identified the best solution for our problem. SMD engineered a new kiosk that fits TE Subcom's needs, manufactured it as scheduled and tested it successfully in the factory. This has given us a good confidence in a smooth future installation and commissioning."  
TE Subcom



## TE Subcom Case Study

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### The Client

TE SubCom, a TE Connectivity Ltd company which specialises in undersea communications technology, engaged SMD Services to undertake an asset inspection and new equipment survey for a new Control Kiosk on its CS Teneo Vessel, whilst docked at a shipyard in the Dominican Republic.

### The Problem

The original Control Kiosks were located on different levels of the ship. One controlling the A-Frame and the other controlled the Tow Winch. During the review, it was clear that both Control Kiosks were badly weather damaged and in state of deterioration. The inspection also identified the vessel's ALSPA Control System, whilst in working order at the time, was actually obsolete, posing a preventable risk in terms of serious operational issues and system down-time.

### The tailor-made solution

SMD Services Team devised a bespoke, cost effective solution, which would not only fix the issues and risks identified; it would also streamline operations for TE Subcom. Our recommendations included removing both Control Kiosks and replacing them with a single high-spec unit designed and manufactured by SMD to fit an underutilised mezzanine deck on the ship.

The solution saves on resources, requiring just one operator rather than two, and solves the issue connected to hardware and software obsolescence. Key features include a state-of-the-art PLC control system, windows on all sides to enable one operator to control both winches using the same control desk, air conditioning and automated windscreen wipers.

In addition, SMD also engineered a solution to ensure the new Control Kiosk enclosure was built with the cable transits fitted to match the as fitted deck cables and avoid cutting into the steelwork on the vessel during the installation phase.