

OPERATIONS, MAINTENANCE AND INTEGRITY SERVICES FOR OFFSHORE WIND

ACTEON

At Acteon, we provide a unique combination of services and in-house domain knowledge to ensure safe, efficient operations and enable the life extension of offshore wind infrastructure. We help customers simplify processes and streamline operations by offering a single point of contact for subsea balance-of-plant operations and maintenance (O&M) and integrity services for fixed and floating wind farm developments.



SUPPORTING CUSTOMERS WITH A RANGE OF O&M AND INTEGRITY SERVICES



O&M STRATEGY DEVELOPMENT

We help customers develop site-specific, optimised O&M strategies including inspection, survey, monitoring, repair and maintenance requirements for fixed and floating wind. By considering the latest advances in logistics options and inspection technologies, our approach minimises downtime and maximises operational life, offering significant cost benefits.



SCHEDULED INSPECTION AND SURVEY SERVICES

We have a comprehensive range of in-house tools and services to survey and inspect fixed and floating subsea balance-of-plant assets. Collaborating with our clients, we determine the most appropriate sensor, tooling, logistics and deployment options, and leverage low-logistics technologies such as uncrewed surface vessels (USV) to minimise cost, reduce risk and lower the carbon footprint.



STRUCTURAL MONITORING AND DIGITAL TWIN

We deliver temporary and permanent monitoring systems that provide real-time data and visibility of asset condition. A range of in-house and third-party sensors, systems and analysis tools provide an understanding of asset behaviour and maintenance requirements, and anomaly detection. By pairing this with digital twin technology, we can accurately predict structural performance and enable life extension.



DATA MANAGEMENT AND DIGITAL INSIGHT

Our proprietary digital platforms and analysis tools enable our customers to make data-driven decisions about their assets. Customers can organise, analyse and visualise design, monitoring, inspection and survey data, review KPIs and gain operational insights at the click of a button in real time, anytime, anywhere.



ANOMALY ASSESSMENT AND ENGINEERING

We provide leading-edge engineering services to understand asset condition and identify repair or maintenance needs. Using inspection, survey and monitoring data, our engineers will perform structural and corrosion engineering assessments to better understand critical risks and make recommendations on remedial solutions to help increase the longevity of the asset.



REMEDICATION SOLUTIONS

Our in-house remediation expertise and technologies offer pragmatic and timely solutions to address marine infrastructure deficiencies and prolong the life of the asset. These include retrofit sacrificial anode and impressed current cathodic protection (ICCP) packages, marine growth cleaning systems, structural repairs and mooring replacement.

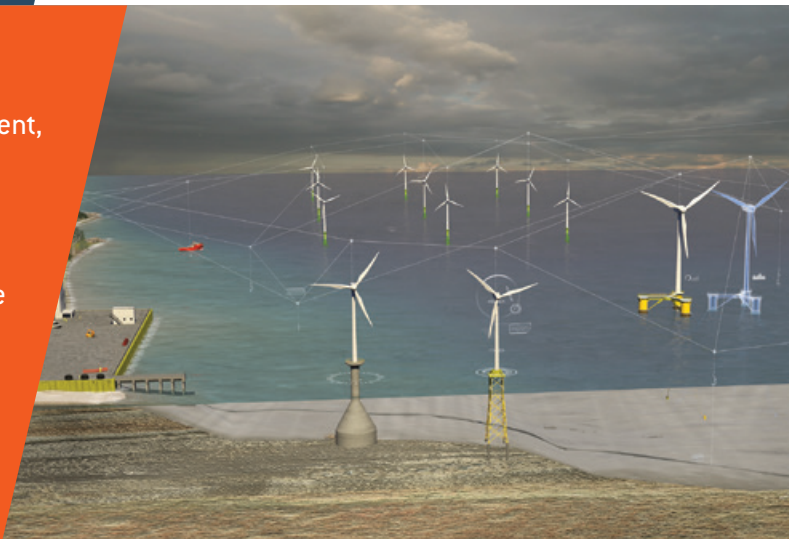


ASSET LIFE EXTENSION

Bringing together gathered data, digital insights and deep domain expertise, we help our customers determine whether an asset is going to meet its intended design life. Where necessary, we propose and implement mitigation measures, interventions or technologies that will extend life, maximise performance and enhance the profitability of the wind farm.

WHY WORK WITH US?

- ▶ Extensive track record in mooring integrity management, inspection and replacement
- ▶ Strategic subsea O&M and integrity partner
- ▶ Global footprint, local presence
- ▶ Unparalleled domain knowledge and technical expertise
- ▶ Comprehensive in-house survey and inspection capabilities
- ▶ Services optimised towards digital, automated and uncrewed technology



Contact us to discuss your next project – info@acteon.com.

www.acteon.com

