



An ABL Group Company

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RENEWABLES OPERATIONS & MAINTENANCE SERVICES

At ABL, we offer a comprehensive range of services tailored specifically for the offshore renewables industry. Drawing on our extensive experience and deep expertise in Operations & Maintenance (O&M) campaigns, we provide technical advice and marine assurance services that meet the unique demands of the O&M offshore operations.

We are actively involved in over 50 offshore windfarm sites across key locations in the UK, EU, and Baltic Sea. Our wide presence in these regions highlights our proven capability in supporting complex offshore O&M activities effectively.

Our collaborations include leading wind turbine manufacturers, wind farm developers/operators, as well as jack-up owners and contractors. We provide essential technical advice and guidance to help navigate the challenges of O&M campaigns, ensuring operations are safe, efficient and fully compliant with industry standards.

O&M in Numbers



+410

O&M CAMPAIGNS ON OVER 50 OFFSHORE WINDFARMS



+1300

LOCATION APPROVALS AND WTIV MOVES



+250

CABLE REPAIRS AND REPLACEMENTS

ABL combines top-tier marine warranty survey expertise with a broad range of marine and engineering disciplines. This multidisciplinary approach enables us to deliver comprehensive support designed to de-risk and optimise your offshore O&M operations, even in the most demanding environments and sites.

Market Challenges

As the offshore windfarm industry continues to expand and evolve, it faces a range of significant challenges that impact O&M activities. These challenges arise from technological advancements, harsh operational environments and increasing regulatory demands, amongst other factors.

Navigating these complexities requires a deep understanding of the industry's unique demands and a proactive approach to risk management. Effectively addressing these challenges is crucial for maintaining operational efficiency, ensuring safety and optimising performance. Key challenges include:



COMPLEX OPERATIONS DUE TO THE INCREASING SIZE AND COMPLEXITY OF THE WTG COMPONENTS



SPECIALISED VESSEL AVAILABILITY



CHALLENGES DUE TO HARSH OPERATIONAL ENVIRONMENTS



MAJOR COMPONENTS FAILURE REQUIRE IMMEDIATE ACTION



CHALLENGING SOIL CONDITIONS AT INSTALLATION SITES



What we do

ABL provides a broad range of technical and marine warranty services to help with the safe and optimised delivery of O&M campaigns. The technical and marine assurance services we offer for O&M campaigns include the following:

- WTG Major Component Exchange (replacements of blades, gearboxes, main bearings and nacelles)
- Cables (cable jointing to replacements and remedial works for array, export cables and cable protection systems)
- Vessel Inspections (compliance and suitability of the proposed marine spread to vessel condition surveys and industry standard audits)
- Dynamic Positioning Services (technical evaluation of DP vessels, feasibility studies and operational optimisation)
- Client Representative (in-house staff with experience and capabilities to undertake various roles requiring specific expertise for O&M campaigns oversight)
- General Marine Consultancy & Support (wide range of marine services to support O&M projects outside the remit of MWS. From practical and fit-for-purpose early advice consultation to detailed engineering designs)

While typical O&M activities often focus on major component exchanges and subsea cable repairs, ABL is uniquely positioned to provide support in other less common but equally critical areas. Our expertise extends to Offshore Substation (OSS) repair activities, foundation retrofits, scour protection, shore landing repairs and the decommissioning of structures, among other specialised services.

Our Team

ABL's multidisciplinary team, comprising marine warranty surveyors, engineers, geotechnical specialists and master mariners, is dedicated to safeguarding the interests of underwriters and self-insured clients.

By integrating the skills and knowledge of these specialists, ABL delivers a comprehensive support framework for offshore windfarm O&M campaigns. Our approach focuses on minimising risks, enhancing operational efficiency and ensuring compliance with industry standards. Whether addressing unforeseen challenges or optimising routine operations, our team is dedicated to achieving the highest standards of safety and performance.

Our Value



150+ years of marine legacy dating back to the Salvage Association



Comprehensive support beyond conventional O&M activities



Industry provider of choice servicing over 50 windfarms



Multi-discipline marine, engineering and naval architecture experience

Global Partner. Local Expert.

ABL is a leading global independent energy and marine consultancy working in energy and oceans to de-risk and drive the energy transition across the renewables, maritime and oil and gas sectors. We offer our clients the deepest pool of world-class expertise across marine and engineering disciplines from more than 300 locations worldwide.

ABL has offices in all major marine and energy hubs worldwide. We have offices in 42 countries across Europe, Africa, the Americas, the Middle East, Asia, and Australia. Our extensive global footprint allows us to provide more local expertise and a swifter response to wherever our customer's projects or assets are.