



Marine Warranty Survey for Offshore Wind Farms.

To ensure the success of your wind farm project, we provide a range of services to support you at every phase of the project life cycle – from site selection, design and manufacturing, right through to operation.

Product Certification	Project Certification	Manufacturing Surveillance
Health & Safety	Marine Warranty Survey	Periodic Inspections
Due Diligence	Laboratory Services	Expert Reports
Training / Education	Management System Certification	Grid Connection
Project Planning Services	Coating Inspection Services	CE Marking

Independent technical assurance of marine operations

A Marine Warranty Survey (MWS) is the supervision of marine operations on behalf of the client, such as energy companies and installation contractors, according to insurer's interests. Our Marine Warranty Surveyors evaluate operational risks and assess the feasibility of working practices by performing technical reviews and on-site inspections of marine operations.

The typical marine operations of an offshore wind project are:

- Load out, float out
- Lifting, lift off
- Towing, sea transportation
- Offshore installation
- Cable laying
- Sub-sea operations

Our services include operational procedures and engineering reviews, site, marine unit and equipment surveys, and attendance during specific operations to ensure compliance with safety standards and to avoid damage or loss.

Our MWS service offers you:

- Document Status Reports
- Condition Survey Reports for all involved marine units
- Warranty Certificates of Approval for load out, lifting, sea fastening, transportation, installation and cable laying
- Repetitive Warranty Certificates of Approval – issued after the approval of the first series of identical operations

Our Marine Warranty Survey services for offshore wind farms include:



1. Review and approval of documents:

- Location survey – including pile drivability, jackability, environmental conditions and soil conditions.
- Load out – including lifting, skidding, upending, rigging design, crane capacity and clearances.
- Transportation – such as sea fastening, stability, weather and bollard pull.
- Installation procedures – including piling, grouting, laying, mating, anchor handling and mooring.
- Laying procedures.

2. Condition surveys of marine units and equipment:

All involved marine units, such as cargo barges, towing vessels, crane vessels and equipment, such as lifting, towing and sea fastening, will be audited by a marine warranty surveyor. This is done before the start of operations to ensure that they are suitable for the relevant operations and are up to standard.



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3. On-site surveillance, approval of marine operations:

The Marine Warranty Surveyor will attend each operation on site and issue Warranty Certificates of Approval prior to the start of each operation.

Marine Warranty Survey services may be required from an insurance company within the warranty clause – typically for the offshore wind, oil and gas, and logistics industries. We can serve them all.

Our diverse range of services is available all over the world. We are your local contact with the international background and expertise you need, understanding both the local and worldwide challenges you face in your industry.

Our experience – your benefit

The combined involvement of experienced Marine Warranty Engineers and Marine Warranty Surveyors offers you the advantage of professional project handling through a high-level safety framework. Our experience in MWS includes several wind farm projects in the North and Baltic Seas, oil and gas projects all around the world and many project cargo transports.

Founded 140 years ago, TÜV Rheinland is a global leader in independent inspection services, ensuring quality and safety for people, the environment, and technology in nearly all aspects of life.

TUVdotCOM. The noticeable difference.



The Internet platform TUVdotCOM makes the difference visible: with all the products, services, companies, systems and personnel that are tested by TÜV Rheinland; optimally documented and accessible from all over the world.

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