

CE Marking for Wind Turbines

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

Ensuring compliance of wind turbines and components with all applicable directives

In order to ensure health and safety standards, manufacturers of wind turbine and related equipment need to make sure that products are compliant with all applicable directives. CE Marking illustrates such compliance. Selling wind turbines and equipment across the European wind energy market requires a Declaration of Conformity and CE Marking. Achieving CE Marking and a statement of conformity can be cost-intensive and time-consuming. A reliable partner like TÜV Rheinland is there to support you through and ensure smooth handling of the process.

We offer a comprehensive range of services for the implementation of CE Marking for wind turbines. As part of our large service portfolio, our Certification Body for Wind Turbines, which is accredited according to EN 45011, can support you in the certification process of your wind turbines and components according to

the IEC 61400 series. With our services, you can overcome the European trade barrier and successfully enter into the European wind energy market.

Our experience - your benefit

Take advantage of our auditor and expert know-how. As a member of the Enterprise Europe Network of the European Commission, TÜV Rheinland guarantees smooth CE Marking certification.



TÜV Rheinland's intelligent solutions ensure the maximum safety, functionality and trouble-free operation of wind turbines. We have both the required expertise and accreditations.

The following six steps lead to successful CE Marking for wind turbines:

Step 1: Clarification of Directives

More than 20 directives require CE Marking. For wind turbines, a number of these directives must be applied, including the Machinery Directive, the Low Voltage Directive, the EMC Directive, and many others.

Step 2: Verification of Requirements

The first step a manufacturer should take to ensure that a wind turbine complies with the directives is to carry out an assessment of the essential requirements. This includes checking which European Harmonized Standards are applicable, as a way to get presumption of conformity.

Step 3: Do You Need for Notified Body?

Before proceeding with the assessment, you need to clarify whether you, as a manufacturer, can assess your product by yourself or if it needs to be done by a Notified Body.

Step 4: Evaluation of Conformity

Under consideration of the risks associated with using of wind turbines covered under the Machinery Directive, conformity assessment procedures for essential health and safety requirements must be established. The manufacturer or an authorized representative should ensure that such a risk assessment, a key element, is conducted. To do this, a manufacturer must determine which essential health and safety requirements are applicable and where measures need to be taken.

Step 5: Technical Documentation

A successful assessment of the technical documentation is also required. The technical file should include:

- Detailed documentation of wind turbine construction results.
- Test results.
- Description of protective measures in place.
- Other elements.
- A copy of the EC declaration of conformity.

Step 6: Marking

Upon successful completion of all necessary steps, the logo may be placed on the wind turbine.



Founded 140 years ago, TÜV Rheinland is a global leader in independent inspection and certification services, ensuring quality and safety for people, the environment, and technology in nearly all aspects of life. The Group maintains a presence at around 500 locations in 65 countries with 16,000 employees.

Due to our broad knowledge in specific international and national market-access regulations, laws and restrictions, our global network of experts serves clients in opening up new markets for their products.

With more than 200 employees in the fields of civil and structural engineering and our extensive laboratory capabilities, there are no delays in product certification and CE Marking, and no long waits to over-committed project timelines.

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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