

CE Marking for Wind Turbines

Helping to eliminate European trade barriers

Germanischer Lloyd Industrial Services GmbH Renewables Certification (GL RC) is an accredited certification body in accordance with DIN EN 45011 (IEC/ISO Guide 65), offering certification of wind turbines and ocean energy converters. Over the last 30 years, GL RC experts have developed a detailed understanding of national and international standards, as well as the conformity assessment procedures, related to renewable technologies and, in particular, wind turbines.



What we can do for you

While CE Marking is key to removing European trade barriers, navigating through the process to achieve it can be both costly and time-consuming. GL RC's experts offer end-to-end support to machine and plant producers, from analysis of relevant standards and conformity assessment through to delivered conformity statement, to help them deliver the detail required to meet current CE Marking directives. Their specialist expertise includes:

1. Wind turbine analysis and collation of applicable standards

CE compliance assessment of turbines, their components and the assembly process.

Provision of a comprehensive list of European directives and their implications for wind turbines.

Provision of a comprehensive list of collated harmonised standards and further regulations, and their implications for turbine components and assembly. Standards utilised include:



- EN 50308 • EN ISO 12100 • IEC WT 01 • VDE 0127-100 • IEC 61400-2
- GL Guideline for the Certification of Wind Turbines • IEC 61400-22



2. Documentation evaluation for CE compliance

- Support for the assessment of potential machine hazards (risk assessment).
- Support in ensuring the compliance of technical documentation related to manufacturing and assembly processes.
- Support in ensuring the compliance of all operational manuals and related supporting documentation.
- Help and advice through the CE Marking application process.

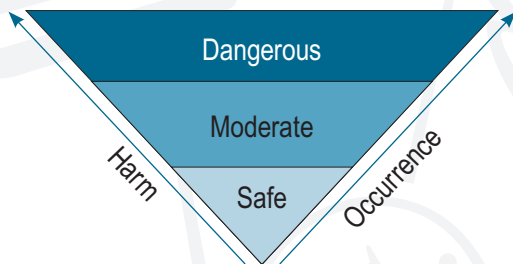
EN	50308	✓
EN ISO	12100	✓
VDE	0127-100	✓
IEC	61400-2	✓
GL	Guideline for the Certification of Wind Turbines	✓
IEC	61400-22	✓

3. Site evaluation for CE compliance

- Detailed assessment of all turbines across global sites to ensure CE compliance.

4. Evaluation of compliance with EU directives

- 2006/42/EC machinery directive.
- 2006/95/EC low voltage directive (LVD).
- 2004/108/EC electromagnetic compatibility.
- And others.

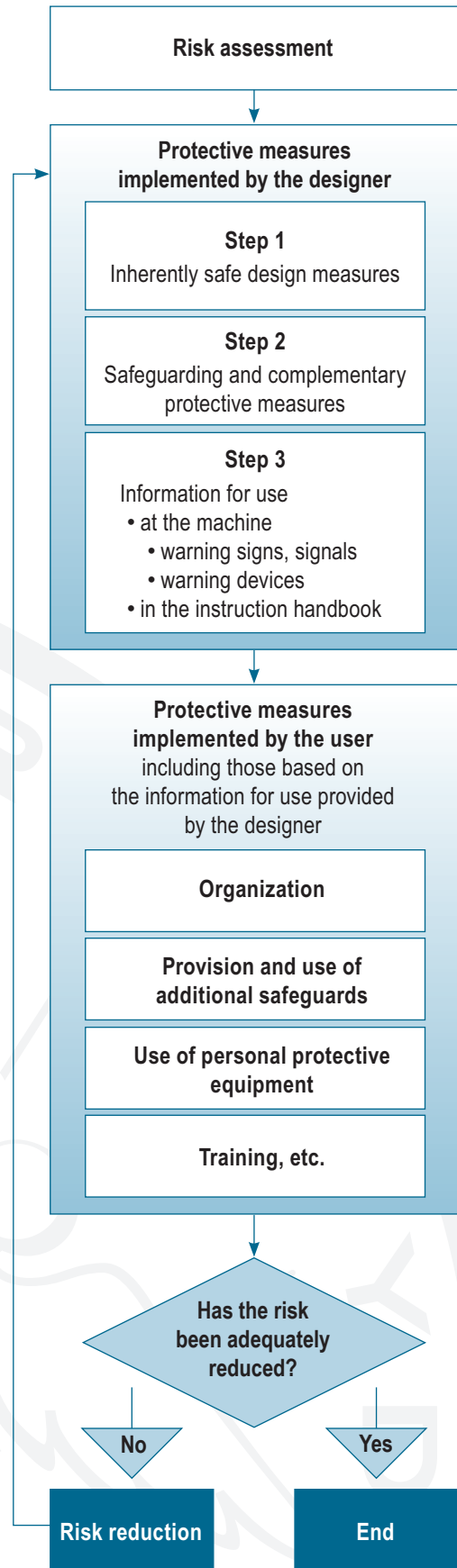


5. Evaluation and measurement of electromagnetic compatibility (EMC)

- Assessment of EMC reports.
- Conducting of EMC measurement reports using accredited laboratories.

6. Additional services

- Flexible training courses and seminars.
- Development of a draft CE conformity statement.
- Archiving of CE documentation.



Effective risk reduction by manufacturer and informed user.