

# Accreditation



The Deutsche Akkreditierungsstelle attests with this **Partial Accreditation Certificate** that the testing laboratory

**Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung  
eingetragener Verein  
Hansastraße 27c, 80686 München**

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This partial accreditation certificate only applies in connection with the notice of 05.06.2024 with accreditation number D-PL-11140-21.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 03 pages.

Registration number of the partial accreditation certificate: **D-PL-11140-21-02**

It is a part of the accreditation certificate: D-PL-11140-21-00.



Berlin, 05.06.2024

B. Sc. Maik Kadraba  
Head of Technical Unit

Translation issued:  
05.06.2024

B. Sc. Maik Kadraba  
Head of Technical Unit

*The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH ([www.dakks.de](http://www.dakks.de)).*

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf

## Deutsche Akkreditierungsstelle

### Annex to the Partial Accreditation Certificate D-PL-11140-21-02 according to DIN EN ISO/IEC 17025:2018

Valid from: 05.06.2024

Date of issue: 25.06.2024

This annex is a part of the accreditation certificate D-PL-11140-21-00.

Holder of partial accreditation certificate:

**Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung  
eingetragener Verein  
Hansastraße 27c, 80686 München**

at its location:

**Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung  
eingetragener Verein  
Fraunhofer-Institut für Windenergiesysteme (IWES)  
Am Seedeich 45, 27572 Bremerhaven**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

*This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.*

Tests in the fields:

- 1 Power performance measurements of wind energy generation systems
- 2 Measurement of mechanical loads on Wind energy generation systems
- 3 Experimental structure testing on rotor blades of wind energy generation systems

Within the scope of accreditation, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The testing laboratory maintains a current list of all testing procedures within the flexible scope of accreditation.

### 1 Power performance measurements of wind energy generation systems

Standard / Revision date	Title of standard (if applicable indicate deviations / modifications of standards )
IEC 61400-12 2022	Wind energy generation systems – Part 12: Power performance measurements of electricity producing wind turbines – Overview
IEC 61400-12-1 2022	Wind energy generation systems – Part 12-1: Power performance measurements of electricity producing wind turbines
IEC 61400-12-3 2022	Wind energy generation systems – Part 12-3: Power Performance – Measurement based site calibration
IEC 61400-12-5 2022	Wind energy generation systems – Part 12-5: Power performance – Assessment of obstacles and terrain
IEC 61400-50-1 2022	Wind energy generation systems – Part 50-1: Wind measurements Application of meteorological mast, nacelle and spinner mounted instruments <i>(restriction: Gondola and instruments mounted on rotor hub are excluded)</i>
IEC 61400-50-2 2022	Wind energy generation systems – Part 50-2: Wind Measurement – Application of ground mounted remote sensing technology

**2 Measurement of mechanical loads on Wind energy generation systems**

Standard / Revision date	Title of standard (if applicable indicate deviations / modifications of standards )
IEC 61400-13 2015 DIN EN 61400-13 2017-06	Wind turbines – Part 13: Measurement of mechanical loads
IEC 61400-12-5 2022	Wind energy generation systems – Part 12-5: Power performance – Assessment of obstacles and terrain
IEC 61400-50-1 2022	Wind energy generation systems – Part 50-1: Wind measurements – Application of meteorological mast, nacelle and spinner mounted instruments <i>(restriction: Gondola and instruments mounted on rotor hub are excluded)</i>

**3 Experimental structure testing on rotor blades of wind energy generation systems**

Standard / Revision date	Title of standard (if applicable indicate deviations / modifications of standards )
IEC 61400-23 2014 DIN EN 61400-23 2014-12	Wind turbines – Part 23: Full-scale scale structural testing of rotor blades

**abbreviations used:**

DIN	German Institute for Standardization
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization