

# Accreditation



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

**ProfEC Ventus GmbH**  
**Marie-Curie-Straße 1, 26129 Oldenburg**

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.

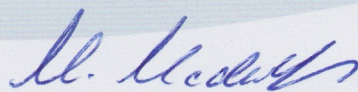
This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notices of 30.06.2023 with accreditation number D-PL-19142-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 5 pages.

Registration number of the accreditation certificate: **D-PL-19142-01-00**

Berlin, 30.06.2023



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)).*



# Deutsche Akkreditierungsstelle GmbH

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10117 Berlin

Office Frankfurt am Main  
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60327 Frankfurt am Main

Office Braunschweig  
Bundesallee 100  
38116 Braunschweig

The Deutsche Akkreditierungsstelle GmbH (DAkkS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkkS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkkS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:

EA: [www.european-accreditation.org](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)



# Deutsche Akkreditierungsstelle

## Annex to the Accreditation Certificate D-PL-19142-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 30.06.2023

Date of issue: 30.06.2023

Holder of accreditation certificate:

**ProfEC Ventus GmbH**  
**Marie-Curie-Straße 1, 26129 Oldenburg**

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.

Tests in the fields:

**Measurement of Wind Turbine Power Performance; Wind Resource and Energy Yield Assessment of Wind Turbines and Wind Farms; Installation and Evaluation of Wind Measurements with Anemometers and Remote Sensing Devices (RSD); Site Classification of Wind Turbines; Validation and Classification of Remote Sensing Devices**

**Within the scope of accreditation marked with \*, 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 methods within the flexible scope of accreditation.**

*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>.*



**Annex to the Accreditation Certificate D-PL-19142-01-00**

**1. Measurement of Wind Turbine Power Performance**

IEC 61400-1 Ed.4 * 2019-02 in junction with Ed. 4.0 / COR1 2019-09	Wind energy generation systems - Part 1: Design requirements Correction to the Ed. 4.0
IEC 61400-2 Ed.3 * 2013-12 in junction with Ed. 3 / COR1 2019-10	Wind turbines - Part 2: Small wind turbines Correction to the Ed. 3
IEC 61400-12 Ed.1 * 2022-09	Wind energy generation systems - Part 12: Power performance measurements of electricity producing wind turbines - Overview
IEC 61400-12-1 Ed.2 * 2017-03	Wind turbines - Part 12-1: Power performance measurements of electricity producing wind turbines ( <i>withdrawn standard</i> )
IEC 61400-12-1 Ed.3 * 2022-09	Wind energy generation systems - Part 12-1: Power performance measurements of electricity producing wind turbines
IEC 61400-12-2 Ed.3 * 2022-09	Wind energy generation systems - Part 12-2: Power performance of electricity producing wind turbines based on nacelle anemometry
IEC 61400-12-3 Ed.1 * 2022-08	Wind energy generation systems - Part 12-3: Power performance - Measurement based site calibration
IEC 61400-12-4 Ed.1 * 2020-09	Wind energy generation systems - Part 12-4: Numerical site calibration for power performance testing of wind turbines
IEC 61400-12-5 Ed.1 * 2022-08	Wind energy generation systems - Part 12-5: Power performance - Assessment of obstacles and terrain
IEC 61400-12-6 Ed.1 * 2022-08	Wind energy generation systems - Part 12-6: Measurement based nacelle transfer function of electricity producing wind turbines
IEC 61400-50 Ed.1 * 2022-08	Wind energy generation systems - Part 50: Wind measurement - Overview



**Annex to the Accreditation Certificate D-PL-19142-01-00**

IEC 61400-50-1 Ed.1 * 2022-11	Wind energy generation systems - Part 50-1: Wind measurement - Application of meteorological mast, nacelle and spinner mounted instruments
IEC 61400-50-2 Ed.1 * 2022-08	Wind energy generation systems - Part 50-2: Wind measurement - Application of ground-mounted remote sensing technology
FGW TR 2 Rev.18 * 2023-01	Determination of Power Performance and Standardised Energy Yields
MEASNET Version 5 2009-12	Power Performance Measurement Procedure

**2. Wind Resource and Energy Yield Assessment of Wind Turbines and Wind Farms**

FGW TR 6 Rev.11 * 2020-09	Determination of Wind Potential and Energy Yields
MEASNET Version 3 2022-09	Evaluation of Site Specification Wind Conditions
TPI-01 2022-12	Wind Resource Assessment and Energy Yield Assessment

**3. Installation and Evaluation of wind measurements with Anemometers and Remote sensing devices (RSD)**

IEC 61400-50 Ed.1 * 2022-08	Wind energy generation systems - Part 50: Wind measurement - Overview
IEC 61400-50-1 Ed.1 * 2022-11	Wind energy generation systems – Part 50-1: Wind measurement – Application of meteorological mast, nacelle and spinner mounted instruments
IEC 61400-50-2 Ed.1 * 2022-08	Wind energy generation systems – Part 50-2: Wind measurement – Application of ground-mounted remote sensing technology
FGW TR 6 Rev.11 * 2020-09	Determination of Wind Potential and Energy Yields
MEASNET Version 3 2022-09	Evaluation of Site Specification Wind Conditions



**Annex to the Accreditation Certificate D-PL-19142-01-00**

TPI-03  
2022-12

Measurement Installation for PPM and EYA

IEA expert group study on  
recommended practices  
recommendation 15  
2013-01

Ground-Based Vertically-Profiling Remote Sensing for Wind  
Resource Assessment

**4. Site Classification of Wind Turbines**

IEC 61400-1 Ed. 4 \*  
2019-02  
in junction with  
Ed. 4.0 / COR1  
2019-09

Wind energy generation systems - Part 1: Design requirements

Correction to the Ed. 4.0

IEC 61400-2 Ed.3 \*  
2013-12  
in junction with  
Ed. 3 / COR1  
2019-10

Wind turbines - Part 2: Small wind turbines

Correction to the Ed. 3

TPI-04  
2022-12

Site Classification

**5. Validation and Classification of Remote Sensing Devices (RSD)**

IEC 61400-50 Ed.1 \*  
2022-08

Wind energy generation systems - Part 50:  
Wind measurement - Overview

IEC 61400-50-1 Ed.1 \*  
2022-11

Wind energy generation systems - Part 50-1:  
Wind measurement - Application of meteorological mast,  
nacelle and spinner mounted instruments

IEC 61400-50-2 Ed.1 \*  
2022-08

Wind energy generation systems - Part 50-2:  
Wind measurement - Application of ground-mounted remote  
sensing technology

TPI-09  
2023-04

Remote Sensing Device Classification and  
Remote Sensing Device Verification



**Annex to the Accreditation Certificate D-PL-19142-01-00****Abbreviations used:**

DIN	German Institute for Standardization
FGW	Federation of German Wind Power and other Renewable Energies
IEC	International Electrotechnical Commission
MEASNET	International Measuring Network of Wind Energy Institutes
IEA	International Energy Agency
TPI	in-house Technical Procedure Instruction
PPM	Power Performance Measurement and Verification
EYA	Energy Yield Assessment
RSD	Remote Sensing Device