DAkkS
Deutsche
Akkreditierungsstelle

Accreditation

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

Deutsche WindGuard Consulting GmbH
Oldenburger Str. 65, 26316 Varel

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 they conform to 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 19.12.2017 with accreditation number D-PL-18020-01.
It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 4 pages.

Registration number of the partial accreditation certificate: **D-PL-18020-01-02**
It is a part of the accreditation certificate: D-PL-18020-01-00.

Berlin, 14.02.2025 | Dr. Haiko Blumenthal, Head of Department

Translation issued:
Dr. Haiko Blumenthal
Head of Department

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).

See notes overleaf

Deutsche Akkreditierungsstelle GmbH

Office Berlin	Office Frankfurt am Main	Office Braunschweig
Spittelmarkt 10	Europa-Allee 52	Bundesallee 100
10117 Berlin	60327 Frankfurt am Main	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
ILAC: www.ilac.org
IAF: www.iaf.nu

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-18020-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: **18.07.2022**

Date of issue: 14.02.2025

This annex is a part of the accreditation certificate D-PL-18020-01-00.

Holder of partial accreditation certificate:

Deutsche Wind-Guard Consulting GmbH
Oldenburger Str. 65, 26316 Varel

with the location

Deutsche Wind-Guard Consulting GmbH
Oldenburger Str. 65, 26316 Varel

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 they conform to the principles of DIN EN ISO 9001.

Determination of Noise Emissions from Wind Turbines; Determination of Noise Immissions in the Neighborhood; Immission Control Module

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.

For the tests marked with *, the testing laboratory is authorized, without the need for prior information and approval of DAkkS is required, the testing laboratory is authorized to use the listed standardized test methods or equivalent test methods with different issue dates. versions are permitted.
The testing laboratory has an up-to-date list of all test methods in the flexible scope of accreditation. scope of accreditation.

1. Determination of Noise Emissions from Wind Turbines

IEC 61400-11, Ed. 3* 2012 + Amendment 1 2018	Wind turbines - Part 11: Acoustic noise measurement techniques
DIN EN 61400-11* 2019-05	Wind turbines - Teil 11: Sound measurement method
FGW TG 1, Rev. 18* 2008-02	Determination of the noise emission values
FGW TG 1, Rev. 19* 2021-03	Determination of the noise emission values
IEC 61400-14* 2005	Wind turbine generator systems - Part 14: Declaration of sound power level and tonality values of wind turbines
MEASNET, V.3 2011	Acoustic Noise Measurement Procedure

2. Determination of Noise Immissions in the Neighborhood

2.1 Fields of Activity Regulated by Immission Control Law

Specifications according to the immission control module and DIN 45688:2014

Group V: Determination of Noise Immission (here: only Wind Turbines)		
Standard / Guideline / Technical Rule		QM-Dokument
Titel	Description	
TA Lärm 1998-08 (Stand 2017)	Sixth general administrative regulation to the Federal Immission Control Act - Technical instructions for the protection against noise - TA Noise	D5878, PA Emmission Control 16.02.2017 D5879, PA Immission Control 16.02.2017
TA Lärm 1968-07	General administrative regulation on installations requiring licensing according to the German Industrial Code - Technical instructions on protection against noise - TA Noise (in connection with: VDI 2058 Blatt 1:1985-09 “Assessment of work noise in the neighborhood”)	

2.2 Determination of Noise in the Neighbourhood

DIN 45645-1* 1996-07	Determination of rating levels from measurement data - Part 1 Noise immission in the neighborhood
DIN 45680* 1997-03 + Beiblatt	Measurement and assessment of low-frequency noise immissions in the neighborhood
DIN 45681* 2005-03 + Berichtigung 2 2006-08	Acoustics - Determination of tonal components of noise and determination of a tone adjustment for the assessment of noise immissions
IEA R&D Wind Recommended Practices 10, 1st Edition 1997-01	Recommended Practices for Wind Turbine Testing 10. Measurement of Noise Immission from Wind Turbines at Noise Receptor Locations

The named procedures under 2.1 correspond to the requirements of the "special proof of competence in the area of Immission control" "LAI Module Immission Control" (Version updated by the L/W/V dated 30.01.2018) Competence is confirmed in the legally regulated technical fields of activity Group V

Abbreviations used:

D...	In house procedure of WindGuard Consulting GmbH
DIN	German Institut for Standardization e.V.
EN	European standard
FGW	Wind energy development company
IEA	International Energy Agency
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
MEASNET	International Network for Harmonised and Recognised Measurements in Wind Energy