

Deutsche Akkreditierungsstelle GmbH

Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV

Signatory to the Multilateral Agreements of EA, ILAC and IAF for Mutual Recognition

Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

Tractebel Engineering GmbH
GE 4 - Erneuerbare Energien
Friedberger Straße 173, 61118 Bad Vilbel

is competent under the terms of DIN EN ISO/IEC 17025:2018 to carry out tests in the following fields:

Determination of reference yield; Determination of wind energy potential and energy efficiency of wind power plants; Analysis of wind measurements; Determination of the site quality

The accreditation certificate shall only apply in connection with the notice of accreditation of 07.08.2020 with the accreditation number D-PL-11121-01. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 2 pages.

Registration number of the certificate: **D-PL-11121-01-00**

Berlin,
07.08.2020

Dr. Heike Manke
Head of Division

Translation issued:
07.08.2020


Head of Division

The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
<https://www.dakks.de/en/content/accredited-bodies-dakks>

Deutsche Akkreditierungsstelle GmbH

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Office Braunschweig
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38116 Braunschweig

The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkKS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkKS.

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). 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 Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

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 GmbH

Annex to the Accreditation Certificate D-PL-11121-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 07.08.2020

Date of issue: 07.08.2020

Holder of certificate:

**Tractebel Engineering GmbH
GE 4 - Erneuerbare Energien
Friedberger Straße 173, 61118 Bad Vilbel**

Tests in the fields:

Determination of reference yield; Determination of wind energy potential and energy efficiency of wind power plants; Analysis of wind measurements; Determination of the site quality

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

Abbreviations used: see last page

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<https://www.dakks.de/en/content/accredited-bodies-dakks>*

Annex to the accreditation certificate D-PL-11121-01-00

Determination of reference yield; Determination of wind energy potential and energy efficiency of wind power plants; Analysis of wind measurements; Determination of the site quality

IEC 61400-12-1, Ed. 2 * 2017-03	Wind turbines Part 12-1: Power performance measurements of Electricity producing wind turbines, Annex L
FGW TR 5 Rev. 7 * 2017-01	Determining and applying the Reference Yield
FGW TR 6 Rev. 10 * 2017-10	Determination of wind potential and energy yields
	with reference to:
	German Renewable Act (<i>Erneuerbare-Energien-Gesetz - EEG, Stand 01/2017</i>)
MEASNET Version 2 2016-04	Evaluation of site-specific wind conditions
LI PA 43 2018-02	Wind Data Analyses and Energy Generation Assessment

Abbreviations used:

DIN	German Institute for Standardization
FGW	Fördergesellschaft Windenergie und anderer Dezentrale Energien e. V.
LI PA	In house method of the Tractebel Engineering GmbH, Renewable Energy – GE 4
MEASNET	Measuring Network of Wind Energy Institutes

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