

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

ProfEC Ventus GmbH
Im Ofenerfeld 23, 26127 Oldenburg

at the location:

Marie-Curie-Straße 1, 26129 Oldenburg


is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out tests in the following 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; Site Classification of Wind Turbines**

The accreditation certificate shall only apply in connection with the notice of accreditation of 22.01.2015 with the accreditation number D-PL-19142-01 and is valid until 21.01.2020. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 3 pages.

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

Berlin, 30.01.2015



Dr. Heike Manke
Head of Division

Deutsche Akkreditierungsstelle GmbH

Standort Berlin
Spittelmarkt 10
10117 Berlin

Standort Frankfurt am Main
Gartenstraße 6
60594 Frankfurt am Main

Standort Braunschweig
Bundesallee 100
38116 Braunschweig

Die auszugsweise Veröffentlichung der Akkreditierungsurkunde bedarf der vorherigen schriftlichen Zustimmung der Deutsche Akkreditierungsstelle GmbH (DAkKS). Ausgenommen davon ist die separate Weiterverbreitung des Deckblattes durch die umseitig genannte Konformitätsbewertungsstelle in unveränderter Form.

Es darf nicht der Anschein erweckt werden, dass sich die Akkreditierung auch auf Bereiche erstreckt, die über den durch die DAkKS bestätigten Akkreditierungsbereich hinausgehen.

Die Akkreditierung erfolgte gemäß des Gesetzes über die Akkreditierungsstelle (AkkStelleG) vom 31. Juli 2009 (BGBl. I S. 2625) sowie der Verordnung (EG) Nr. 765/2008 des Europäischen Parlaments und des Rates vom 9. Juli 2008 über die Vorschriften für die Akkreditierung und Marktüberwachung im Zusammenhang mit der Vermarktung von Produkten (Abl. L 218 vom 9. Juli 2008, S. 30).

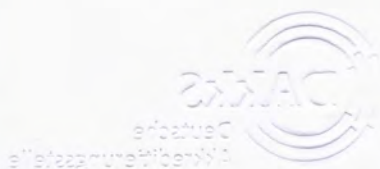
Die DAkKS ist Unterzeichnerin der Multilateralen Abkommen zur gegenseitigen Anerkennung der European co-operation for Accreditation (EA), des International Accreditation Forum (IAF) und der International Laboratory Accreditation Cooperation (ILAC). Die Unterzeichner dieser Abkommen erkennen ihre Akkreditierungen gegenseitig an.

Der aktuelle Stand der Mitgliedschaft kann folgenden Webseiten entnommen werden:

EA: www.european-accreditation.org

ILAC: www.ilac.org

IAF: www.iaf.nu



Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-19142-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 22.01.2015 to 21.01.2020

Date of issue: 30.01.2015

Holder of certificate:

ProfEC Ventus GmbH
Im Ofenerfeld 23, 26127 Oldenburg

at the location

Marie-Curie-Straße 1, 26129 Oldenburg

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; Site Classification of Wind Turbines**

Abbreviations used: see last page

1 Measurement of wind turbine power performance

IEC 61400-12 1999-07	Wind turbine generator systems - Part 12: Wind turbine power performance testing
IEC 61400-12-1 2005-08	Wind turbines - Part 12-1: Power performance measurements of electricity producing wind turbines
IEC 61400-12-2 2013-03	Wind turbines - Part 12-2: Power performance of electricity producing wind turbines based on nacelle anemometry
QM_TPI-02 2014-09	Power Performance Measurement
FGW TR 2, Rev. 16 2010-01	Determination of Power Performance and Standardised Energy Yields

with reference to:

IEC 61400-1 1999-02	Ed. 2: Wind turbines generator systems - Part 1: Safety requirements (withdrawn standard)
IEC 61400-1 2005-08	Ed. 3: Wind turbines - Part 1: Design requirements
IEC 61400-2 2006-02	Wind turbines - Part 2: Design requirements for small wind turbines
EEG 2014-07	German Renewable Energy Act 2014 (EEG 2014)
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. 9 2014-09	Determination of Wind Potential and Energy Yields
QM_TPI-01 2014-09	Wind Resource Assessment and Energy Yield Assessment

with reference to:

MEASNET Version 1 2009-11	Evaluation of Site Specification Wind Conditions
---------------------------------	--

3 Installation and Evaluation of wind measurements with anemometers

IEC 61400-12-1 2005-08	Wind turbines - Part 12-1: Power performance measurements of electricity producing wind turbines
QM_TPI-03 2014-09	Measurement Installation
FGW TR6 6, Rev. 9 2014-09	Determination of Wind Potential and Energy Yields

with reference to:

MEASNET Version 1 2009-11	Evaluation of Site Specification Wind Conditions
---------------------------------	--

4 Site Classification of Wind Turbines

QM_TPI-04 Site Classification
2014-09

with reference to:

<i>IEC 61400-1 1999-02</i>	<i>Ed. 2: Wind turbines generator systems - Part 1: Safety requirements (withdrawn standard)</i>
<i>IEC 61400-1 2005-08</i>	<i>Ed. 3: Wind turbines - Part 1: Design requirements</i>
<i>IEC 61400-2 2006-02</i>	<i>Wind turbines - Part 2: Design requirements for small wind turbines</i>

Abbreviations used:

DIN	German Institute for Standardization
EEG	German Renewable Energy Act
FGW	Federation of German Windpower and other Renewable Energies
IEC	International Electrotechnical Commission
QM_TPI	in-house Test Method
MEASNET	International Network for Harmonised and Recognised Measurements in Wind Energy