

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-IS-20152-01-00 according to DIN EN ISO/IEC 17020:2012

Valid from: 26.09.2019

Date of issue: 26.09.2019

Holder of certificate:

**8.2 Obst & Ziehmann GmbH
Brandstwiete 4, 20457 Hamburg**

for its inspection body Type A

Inspections in the fields:

Inspections of photovoltaic systems with a nominal power of more than 250 KWp and wind turbines by judging and establishing the conformity with specific and – on the basis on a professional judgement - with general requirements

Inspections to:

AA Technische Due
Diligence PV
2016-06

Operating Procedure Technical Due Diligence PV

AA Technische Prüfung Gründung,
Turm und Maschine einer
Windenergieanlage
2016-07

Operating Procedure Technical Inspection Foundation,
Tower and Machine of a Wind Turbine Generator

Abbreviations used: see last page

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in conjunction with the following requirements documents, evaluation and basic testing standards:

1. Technical Due Diligence of PV-Units

DIN EN 62446-1 2016-12	Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection <i>(withdrawn standard)</i>
DIN EN 62446-1 2019-04	Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection
DIN EN 61730-1 2018-10	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
DIN EN 62109-1 2011-04 Corrigendum 1 2011-08 Corrigendum 2 2013-09	Safety of power converters for use in photovoltaic power systems - Part 1: General requirements
DIN EN 62305-3 Supplement 5 2014-02	Protection against lightning - Part 3: Physical damage to structures and life hazard - Supplement 5: Lightning and overvoltage protection for photovoltaic power supply systems

2. Technical inspection foundation, tower and machine of a wind turbine

BWE Sachverständigenbeirat 2012	Guidelines for „Periodic Inspections of Wind Turbines“
BWE Sachverständigenbeirat 2007-09	Guidelines for Inspections regarding state of maintenance of wind turbines
Deutsches Institut für Bautechnik (DIBt) 2012-10	Directive for Wind Turbines - Actions on and Stability Analyses for Tower and Foundation Section 15: Periodic Inspections
DIN EN 50308 2014-03	Wind turbines - Protective measures - Requirements for design, operation and maintenance
FGW TR7 2014-01	Technical Guidelines for Power Generation Units Operation and maintenance of power plants for renewable energy

Abbreviations used: see last page

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Abbreviations used:

AA...	Inspection program of 8.2 Obst & Ziehmann GmbH
PV	Photovoltaics
BWE	German Wind Energy Association
FGW	Federation of German Windpower and other Renewable Energies
DIBt	German Institute for Civil Engineering

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