

Statement of Compliance for the D - Design Assessment

STC – 151007, Rev. 0

This statement of compliance is issued to

Goliath Wind OÜ
Valge 13
11415 Tallinn
Estonia

for the wind turbine

Capella 3.3

This statement of compliance attests compliance with

GL 2010 Germanischer Lloyd, "Guideline for the Certification of Wind Turbines",
Edition 2010
- WT Class IIA

concerning the design. It is based on the following reference document:

R101240-12a D-Design Assessment – Final Assessment DEWI-OCC, Rev. 0, 2015-10-21
Report for the Wind Turbine Capella 3.3

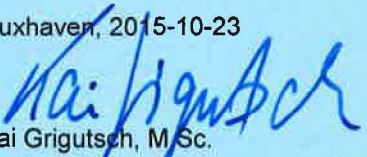
The conformity evaluation was carried out according to Germanischer Lloyd, "Guideline for the Certification of Wind Turbines", Edition 2010

The wind turbine is specified in the annex of this statement of compliance.

Any change in the design is to be approved by DEWI-OCC. Without approval, this statement loses its validity.

This statement of compliance is valid until 2017-10-22.

Cuxhaven, 2015-10-23



Kai Grigutsch, M.Sc.
Head of DEWI-OCC
Certification Body for Wind Turbines

Certification Body for products
accredited by DAkkS according to
DIN EN ISO/IEC 17065:2013.
The accreditation is valid for the
fields of certification listed in the
accreditation certificate.



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D-ZE-11326-01-00

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Annex - Wind Turbine Characteristics

I. General

Manufacturer	Goliath Wind OÜ Valge 13 11415 Tallinn Estonia
Wind turbine type designation	Capella 3.3
Type	Horizontal axis wind turbine with variable rotor speed
Wind turbine (generator system) class	WT Class IIA
Design lifetime	25 years
Rated power	3330 kW
Rotor diameter	109 m
Number of blades	3
Power regulation	Pitch controlled
Rated rotational speed	13.8 rpm
Operating range rotational speed	5.0 rpm - 13.8 rpm
Hub height	100 m
Rotor type	Upwind with active pitch
Rotating direction	Clockwise
Cone angle	3°
Tilt angle	4°
<i>Electrical network conditions</i>	
Normal supply voltage	600 V
Normal supply voltage frequency	50 Hz
<i>Wind conditions</i>	
50-year reference wind speed (V_{ref})	42.5 m/s
50-year extreme wind speed (V_{e50})	59.5 m/s
Annual average wind speed (V_{ave})	8.5 m/s
Characteristic turbulence intensity I15 at $v_{hub} = 15$ m/s	0.18
Cut-in wind speed	3 m/s
Rated wind speed	11.3 m/s
Cut-out wind speed (10 min mean)	22 m/s