Certificate No.

IECRE.WE.PC.YY.XXXX-R0

IECRE - IEC System for Certification to Standards Relating to Equipment for Use in Renewable Energy Applications

PROJECT CERTIFICATE

Onshore/Offshore Wind Farm

This certificate is issued to	Street, City Country
for the wind farm	(name of wind farm)
consisting of	Wind turbine(s) type and number/ substation/ cables/ other installations

This certificate attests compliance with IEC 61400 Series as specified in subsequent conformity statements. It is based on the following reference documents:

Type Certificate Dated	TC-Number or reference to the Annex including this information dd.mm.yy
Site conditions evaluation conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Project design basis evaluation conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Integrated load analysis evaluation conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Site-specific wind turbine RNA design evaluation conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Wind turbine/RNA manufacturing surveillance conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Support structure design evaluation conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Support structure manufacturing surveillance conformity statement, Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Other installations design evaluation conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Other installations manufacturing surveillance conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Transport and installation surveillance conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Commissioning surveillance conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Final evaluation report; Dated	(Number) dd.mm.yy

The conformity evaluation was carried out in accordance with the rules and procedures of the IECRE System www.iecre.org.

The wind farm specification begins on page 2 of this certificate. Changes in the system design or the manufacturer's quality system are to be approved by the Certification Body. Without approval, the certificate loses its validity.

This certificate is valid at the date of issue:
dd.mm.yy

Approved for issue on behalf of the IECRE Certification Body:

Name 1(/Name 2):
Position 1(/Position 2):
(Location) dd.mm.yy

RECB legal entity name
Address line 1
Address line 2

IECRE - IEC System for Certification to Standards Relating to Equipment for Use in Renewable Energy Applications

PROJECT CERTIFICATE

Onshore/Offshore Wind Farm

Annex Part 1

Outstanding issues (only applicable for provisional project certificates):

Optional modules:

	CS-Number or reference to an Annex including this information dd.mm.yy
Dated	CS-Number or reference to an Annex including this information dd.mm.yy
Project characteristics measurements conformity statement; Dated	CS-Number or reference to an Annex including this information dd.mm.yy

Annex Part 2Wind Farm parameter

Location:

Area:

Wind farm position:

Total capacity:

Wind farm design lifetime:

Number of wind turbines:

Wind turbine type(s):

Wind turbine class (class, standard, year): S, IEC 61400-3 Ed. 1.0 2009-02

Tower type(s):

Foundation type(s):

Substation type(s):*

Other installations (Optional):

Site Wind Conditions

Characteristic turbulence intensity Iref at Vhub = 15 m/s:

Annual average wind speed at hub height Vave :

Reference wind speed Vref :

Mean flow inclination:

Hub height 50-year extreme wind speed Ve50:

Marine conditions (based on 3 hour reference period)*

Tidal variation and/or storm surge (50-year recurrence period):

Highest astronomical tide (HAT):

Lowest astronomical tide (LAT):

Highest still water level (HSWL):

Lowest still water level (LSWL):

Significant wave height for 1- and 50-year recurrence periods:

Range of peak periods for 1- and 50-year recurrence periods:

Individual extreme wave height for 1- and 50-year recurrence periods:

Range of associated wave periods for 1- and 50-year recurrence periods:

Extreme crest height with a recurrence period of 50 years:

Extreme sea surface current for 1- and 50-year recurrence periods:

Sea ice considered: (Yes/No)

Local and global scour or sum of both (maximum allowed):

Sea floor level variation (maximum allowed):

Marine growth profile and thickness:(Properties & Limit values)

Other environmental conditions

Normal and extreme air temperature ranges:

Normal and extreme sea temperature ranges:

Relative humidity of the air:

Air density:

Water density:

Solar radiation:

Salinity:

Lightning protection system (protection level):

Earthquake model and parameters (standard and key parameters e.g. spectrum, model, seismic zone, soil class, etc.):

Other design conditions (such as sand-storm):

Electrical network conditions:

Normal supply voltage and range:

Normal supply frequency and range:

Voltage imbalance:

Maximum duration of electrical power network outages:

Number of electrical network outages:

Total duration of network outages during project lifetime:

Rotor nacelle assembly (RNA-machine) parameter

Rated power:

Type of power regulation:

Rated wind speed Vr:

Rotor diameter:

Hub height (above MSL):

Hub height operating wind speed range Vin – Vout:

Design lifetime:

Operational weight:

Corrosion protection (description):

Support structure parameters

Description of foundation including scour protection:

Design water depth:*

Resonant frequencies at normal operating conditions:

Resonant frequencies at extreme operating conditions:

Corrosion protection (description):

Height of access platform (above MSL):*

Limiting conditions for transport, installation & maintenance

Maximum wind speed:

Maximum significant wave height:*

Maximum water level variation:*

Maximum wind speed for maintenance:

Displacement of transport vessel:*

Tower(s)

Type:

Manufacturer:

Sections:

Length:

Drawing / Data sheet / Part No.:

Foundation(s)

Type:

Manufacturer:

Drawing / Data sheet / Part No:

Foundation Adaptor (s)

Type:

Manufacturer:

Drawing / Data sheet / Part No.:

Substation*

Support structure type:

Manufacturer:

Drawing / Data sheet / Part No.:

Topside:

Manufacturer:

Drawing / Data sheet / Part No.:

Cables

Cable type:

Manufacturer:

Drawing / Data sheet / Part No.:

Certificate. No.

IECRE.WE.PC.YY.XXXX-R0

IECRE - IEC System for Certification to Standards Relating to Equipment for Use in Renewable Energy Applications

PROJECT CERTIFICATE

Onshore/Offshore Wind Farm

Manuals

O&M manual:

Transport manual:

Installation manual:

Commissioning manual:

* only applicable for Offshore projects