Press Release

eno rotor blade EB 56 certification successful. Required for special higher turbulence applications of eno 114.

(Rostock/ Berlin, 31 March 2015) – Successful completion of the overall certification of eno rotor blade EB 56 per the GL and IEC guidelines by renowned certification body DNV GL means that yet another milestone has been reached, confirming the successful development work of eno energy for the 3.5 MW platform for optimising park layouts.

The completely redesigned eno 114, first built in 2014, is the Rostock-based manufacturer's early reaction to the successive changes in the framework conditions for wind farms. In particular, these changes include increases in density, border development, repowering or locations with difficult wind conditions. "Besides optimising the drive train, our new blade design plays a major role in this to maintain the required turbulence resistance for such applications, avoiding shut-downs and thus offering customers efficiency advantages," says Stefan Bockholt, Technical Director at eno energy.

Axel Dombrowski, Deputy Director of the Certification Body DNV GL Energy – Renewables Certification is delighted with the close cooperation with eno energy. "The certification process, which was intensive for both sides, has shown us eno's high quality standards. With our over thirty years of experience, we were able avail of our expertise to support the young manufacturer with verification during the development process, and can now issue the internationally-recognised certificate per our DNV GL guideline and IEC 61400-22."

To ensure that the wind turbine always adapts optimally to the current turbulence conditions, eno's rotor blade has a different profile to many competitors in the 3 to 4 MW class. The trend is for slim, cost-optimised blades, whereas eno energy has designed its blade to run particularly smoothly. The eno 114 is the only wind turbine in this class classified for wind class IEC IIs, an advanced turbulence classification which permits a more compact wind farm layout.

Measurements on the first turbines also confirm the rotor blades' good aero-acoustic design. The noise emission figures calculated are lower than the forecast 105 dB(A).

At Stand 17 in Hall 27 of the Hannover Messe trade fair, eno energy will demonstrate why eno 114 is ideal for difficult locations and generates the highest yield in the long term due to lower sectoral shut-downs, using a wind farm expansion in Mecklenburg-Lower Pomerania as an example.

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About eno energy

The eno energy Group, which manufactures wind turbines and is headquartered in Rostock and Rerik, produces wind turbines for the onshore sector with rated outputs of 1.5 to 3.5 megawatts and rotor diameters between 82 and 126 metres. The wind turbines developed by the eno Group meet the highest quality standards, and their design and individual assemblies are aimed at achieving highest availability, durability and exceptionally high yields in various wind farm configurations. The corporate group is positioned in national and international markets as both a wind turbine manufacturer and service provider. Its considerable flexibility and reliability makes eno energy a competent partner for investors and project developers in Germany and within its European markets abroad.

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