

Ringsted, 24. juni 2016

Blade Seminar: Cost & Reliability, Certification and Standardisation

Within in the frame of the EUDP project “RATZ” and the network of European turbine owners, Bladena organized a two day seminar (16-17th of June) regarding O&M cost in relation to blade defects and reliability, and the current and future requirements for blade certification. The Seminar was hosted by LM Wind Power at their facilities in Lunderskov Denmark.

Presentations from LM Wind Power, Bladena, Guide2Defect, Aalborg University, DEWI OCC and DNV-GL fuelled the lively discussion among the presenters and the participants from 10 wind turbine owners and operators (E.ON, Vattenfall, Statkraft, DONG, ENEL, Maia Eolis, Engie, Stena Renewable, EWII and EDF Energy).

Understanding the root cause for blade defects, reliability of blades and fact driven blade O&M strategies is still a target for the owners in the quest to reduce the LCOE. Statistical knowledge about blade failures, damage propagation and cost related to inspections, repairs and retrofits are key to understand the basis for optimal decision making.

Certification of blades and the reasoning behind this is also of significant importance to the wind turbine owners. Understanding the certification rules and basis for blade design, gives the owners increased possibility to mitigate the risk associated with the blades in operation. Stronger involvement from the owners’ side in the regulatory work and also their increased push for more knowledge sharing from the OEMs regarding the blade designs, will help maturing the industry and obtain even stronger and more reliable blades in the future.

