

Innovations for LCOE reduction in offshore wind energy – technologies, models and strategies

Time	Session		Speaker
9:00-9:15	Introduction	Introduction to the projects	Piotr Tulej- DG RTD
9:15-9:30		Key Findings towards lowering the LCOE of offshore wind turbines	Peter Hjuler Jensen, Gerard Schepers and Jimmy Murphy- All projects
9:30-9:45	Rotors	EU AVATAR project: main achievements	Gerard Schepers- AVATAR project
9:45-10:15		Aerodynamic response modelling of complex and turbulent inflow	Niels Soerensen- AVATAR project
10:15-10:35		Lightweight rotor design for 10 –20 MW wind turbines	Flemming Rasmussen- INNWIND.EU project
10:35-10:50		Wind observers and advanced controls for innovative turbines	Anand Natarajan- INNWIND.EU project
10:50-11:05	Drivetrains	Pseudo magnetic direct drive vs superconducting generator	Henk Polinder- INNWIND.EU project
11:05-11:15		Drivetrain structures for 10 MW - 20 MW wind turbines	Asger Abrahamsen- INNWIND.EU project
11:15-11:30	Coffee break		
11:30-11:50	Sub structures	Cost effective fixed and floating Sub Structures	Martin Kuhn- INNWIND.EU project
11:50-12:00	LCOE reduction for 10-20MW wind turbines	LCOE reduction for the 20 MW wind turbine	Takis Chaviaropoulos- INNWIND.EU project
12:00-12:20	Logistics and Supply Chain	A holistic logistics optimisation model and life-cycle financial model to facilitate decision support and planning activities on-land and offshore	Lars Magne Nonås and Katie Lynch- LEANWIND project
12:20-12:45		Novel adaptations to fixed and floating substructures and deployment strategies; new	Paul Doherty and Mark Anju- LEANWIND project

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	Installation and Decommissioning	installation vessel concept for large-scale turbines; offshore trials and using simulation to improve installation efficiency and reduce risks	
12:45-13:15	O&M	Strategy planning and optimisation to improve procedures and accessibility; purpose-designed O&M vessel for future farm sites; new technology, offshore trials and simulation to improve O&M efficiency and reduce risks	John Dalsgaard Sorensen and John Koch Nielsen- LEANWIND project
13:15-13:30	Conclusions	Overall conclusions and recommendations	Peter Hjuler Jensen, Gerard Schepers and Jimmy Murphy- All projects
13:30-14:30	Networking lunch		