



leanwind

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Definitions

ABP	Associated British Ports
ACOP	Approved Code of Practice
AHP	Analytical Hierarchy Process
AIL	Abnormal Indivisible Load
BST	Basic Safety Training
CM	Condition Monitoring
DfE	Design for Environment
DSS	Decision Support System
EA	UK Environmental Agency
EU-OSHA	The European Agency for Safety and Health at Work
FID	Final Investment Decision
FIT	Feed in Tariffs
GBF	Gravity Base Foundations
GIS	Geographical Information System
GWO	Global Wind Organisation
H&S	Health and Safety
HETA	Humberside Engineering Training Association
HLV	Heavy Lift Vessel



HOTA	Humberside Offshore Training Association
HSE	UK Health and Safety Executive
HSWA	UK Health and Safety at Work Act
IMO	International Maritime Organization
ISPS	The International Ship and Port Facility Security Code
LCOE	Levelised Cost of Energy
MCA	Marine Coastguard Agency
MET	Meteorological Station
NELC	North East Lincolnshire Council
O&M	Operations and Maintenance
OEM	Original Equipment Manufacturer
OSPAR	“Oslo and Paris” Convention for the protection of the marine environment of the north-east Atlantic
OSW	Offshore Wind
OWT	Offshore Wind Turbine
PPE	Personal Protective Equipment
SEA	The UK Offshore Energy Strategic Environmental Assessment
SHEQ	Safety Health Environment and Quality
SME	Small and Medium Size Enterprise
SOLAS	Safety of Life at Sea
SOV	Offshore Service Vessel
STEM	Science Technology Engineering Mathematics
UVDB	UK Vendor Database system
WDT	Weather Down Time



Executive Summary

This deliverable presents the findings and results from Task 8.5 “Viability, Implementation Roadmap and Strategy” from Work Package 8 “Economic and market assessment” of the LEANWIND project. It gives a comprehensive analysis of the current challenges in the offshore wind sector. These challenges cover the fields of Regulation and Legislation, Health and Safety, Training, Environment, and Finance. Moreover, the deliverable analyses these challenges and offers a set of non-technical solutions.

The document is organised as follows: there are four sections, covering “Installation”, “Operation & Maintenance”, “On-land and port Infrastructures” and “Vessels”. Each chapter is subdivided in to two parts, covering specific challenges and solutions. Within each of the subchapters there are sections including each of the categories mentioned in the previous paragraph. Finally, there is a summary of the proposed recommendations in this deliverable.

This deliverable identifies key industry challenges related to offshore wind and the potential solutions identified within the LEANWIND project. These challenges have been divided into non-technical categories to determine the business and policy landscape required for the successful implementation of solutions. Considering the non-technical issues as well as finding technical solutions to challenges in various sectors can greatly increase the viability and potential industry up-take of project innovations. The recommendations proposed in this deliverable have been summarised in the following table.