

GUIDELINES IN THE USE OF MET OCEAN DATA THROUGH THE LIFECYCLE OF MARINE RENEWABLES PROJECTS (P2353)

The UK has committed to challenging targets for production of energy from renewable sources. In order to reach these targets it is expected that an increasing emphasis will be placed on production from sites located in offshore environments.

Presently wind energy has been the main focus of marine renewable energy, however, in time, wave and tidal energy will also be viable technologies which can be used to generate power. These wave and tidal projects will face many of the same challenges as offshore wind developments, but will also deliberately select sites that offer more energetic conditions. Design, construction, operation and eventual decommissioning of these offshore projects present challenges to the industry which are yet to be fully tested.

This project aims to identify and draw together "best practice" in the use of Met Ocean data for all marine renewables projects and develop a new guidance document for the industry, with CIRIA agreeing to provide route to publication due for March 2007. The adoption of such guidelines has the objective of standardising the provision and interpretation of Met Ocean data through a project lifecycle, leading to better project designs, reduction in risks and to improve both investor and insurer confidence.

Timetable

Work Package	Month						
	Sep	Oct	Nov	Dec	Jan	Feb	Mar
	1	2	3	4	5	6	7
WP01 Project Management							
WP02 Industry Engagement		BWEA28					
WP03 Life-Cycle Data Requirements							
WP04 Data & Formats							
WP05 Case Studies							
WP06 Reporting							
WP07 Dissemination							

The project schedule deliberately includes a period of industry engagement to draw in views and comment about the work, and invite contributions of best practice. This activity follows on from a previous invitation to comment on the project scope which drew in strong endorsement from a representative cross-section of the industry, including; oceanographic survey companies, project developers, installation contractors, design engineers, consultants, stakeholders, industry associations, insurers

The project is to be presented by Bill Cooper on Wednesday 11th October 2006 at the BWEA28 Annual Conference - Session B5: Offshore Consenting and Environmental Research.

Project Funders

The project is being funded by the following leading industry bodies:

The Crown Estate
E.ON UK
Scottish & Southern Energy
DONG energy

Research Contractor

ABPmer is the lead contractor, with support from SeaRoc UK and the Met Office.

Steering Group

The project steering group comprises of the following individuals:

Bill Cooper, ABPmer	project manager
Dr Andy Saulter, Met Office	
Peter Hodgetts, SeaRoc UK	
Prof Mike Cowling, The Crown Estate	chairman
James Doyle, E.ON UK	
Robin Burnett, Scottish and Southern Energy	
Mathilde Damsgaard, DONG energy	
Nick Bean, CIRIA	
Ed Frost, RES	independent peer reviewer

Project Contact

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