



# Renewable UK Offshore Wind 2010 Conference and Exhibition

## Side Event: Northern Wind Innovation Programme Seminar

**Date:** Wednesday 30th June 2010 - **Time:** 09:00-14.05 - **Location:** Hall 12, ACC, Liverpool

This seminar will help companies which are in the market for new and innovative technologies aiming to improve the reliability of offshore wind turbines targeting three technological areas; AC/DC electrical conversion, bearing quality improvement, foundation system optimisation and installation technologies.

09:00-09:20	Registration/Coffee
09:20-09:30	<b>Introduction – The Northern Way</b> Dr Ian Hanley, Energy Lead
09:30-09:50	<b>BEARinspect: Novel Integrated Condition Monitoring System for Wind Turbine components</b> Dr Slim Soua, Senior Project Leader, TWI
09:50-10:10	<b>IMPcoat: Improved Splash Zone Coatings for 40-Year Design Life</b> Dr Shiladitya Paul, Project Leader, TWI
10:10-10:30	<b>FABfound: Rapid Fabrication of Optimized Marine Wind Turbine Foundations</b> Dr Anita Buxton, Principal Project Leader, TWI
10:30-10:50	<b>MultiLife™ Bearing for Offshore Turbines</b> Jon Wheals, Chief Engineer Innovation/Technology, Ricardo
10:50-11:10	Break
11:10-11:30	<b>FASTWIND: Optimum North England Offshore Wind Turbine Assembly &amp; Installation Factory</b> Dr Lewis Lack, Managing Director, Xanthus Energy
11:30-11:50	<b>Understanding Bearing Reliability in Wind Turbine Permanent Magnet Generators</b> Dr John Coultate, Drivetrain Consultancy Team Leader, Romax
11:50-12:10	<b>Bearing Reliability Test Rig</b> Graham Penning, Group Technology Director, David Brown Gear Systems
12:10-12:30	<b>Wind-Power Permanent-Magnet Generation Systems of High Reliability, Efficiency and Power-Density</b> Professor Qiang Zhu, Head of Electrical Machines and Drives Research Group, Department of Electronic and Electrical Engineering, University of Sheffield
12.30-13:00	Break
13:00-13.15	<b>Predictive Maintenance for Wind Turbines</b> Juan A. Parrilla Ruiz, Business Development, Grupo Indra
13:15-13.30	<b>Development of Offshore Wind Energy Sector in Cantabria: Renewable energies cluster and IDERMAR PROJECT</b> Francisco Royano, CEO, IDERMAR
13:30-13.45	<b>Integrated Supply Chain Management</b> David Rodero, Corporate Development, ROS CASARES
13:45-14:00	<b>Martifer, a New Approach to Offshore Maritime Wind Generator Components</b> João Cardoso, Advisor to CEO, Martifer Energy Systems
14.00-14:05	Close

To register for this event please email [events@envirolinknorthwest.co.uk](mailto:events@envirolinknorthwest.co.uk)  
The seminar is free to attend for all delegates.



## About the Funders

### Moving Forward: The Northern Way



**The Northern Way** is a unique initiative, bringing together the cities and regions of the North of England to work together to improve the sustainable economic development of the North towards the level of more prosperous regions. Formed as a partnership between the three northern Regional Development Agencies (Yorkshire Forward, NWDA and One North East), it also works with local authorities, universities, the private sector and other partners to secure a strong coalition in support of this goal. The Northern Way has prioritised offshore wind as one of four investment areas to support innovation across the North.

[www.thenorthernway.co.uk](http://www.thenorthernway.co.uk)

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## About the Delivery Partners



**Narec**, providers of R&D, consultancy, test and demonstration facilities for the renewable and electrical power sectors, is a national centre dedicated to accelerating the deployment and grid integration of renewable energy and low carbon technologies, utilising wind, wave, tidal, solar PV and thermal power. Narec is creating a world-leading technology advancement hub for the offshore renewables industry in North East England, and works with global turbine, blade, electrical infrastructure manufacturers, project and device developers on their large turbine, blade and associated equipment development programmes.



**Envirolink Northwest** is a not-for-profit organisation, which supports the development and growth of the energy and environmental technologies and services (ETS) sector in England's Northwest. Funded by the Northwest Regional Development Agency (NWDA), the European Regional Development Fund, and the region's local authorities, Envirolink Northwest works to stimulate the market for ETS products and services and helps companies to commercialise and promote themselves in the market.

Tasked with improving the competitiveness of the region's ETS sector and encouraging businesses in the North West to take advantage of the growing market for environmental technologies, Envirolink Northwest provides

Provision of market intelligence and sharing of best practice;

Individual technical business support and

Promotion, networking and collaboration to create opportunities to develop technologies and engage with the market.