



# Quo Vadis 2010 Wind Energy Conference

**windpower**  
renewable solutions

Thursday, 18<sup>th</sup> November 2010

Met Office  
FitzRoy Road  
Exeter, Devon EX1 3PB

The FREE wind conference  
only for  
Owners and Operators

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## The Speakers



### Charles Hendry MP

Charles Hendry has been Member of Parliament for Wealden since 2001. He is currently Minister of State for Energy and Climate Change. Before this, Charles was Shadow Minister for Energy, Industry and Postal Affairs in the Business and Enterprise team and Energy Science and Technology in the former DTI team. He was the Deputy Chairman of the Conservative Party (2003-05) and Shadow Minister for Young People (2002-05) and Shadow Minister for Industry and Enterprise (May-December 2005).



### Clifford McSpadden, Conference Mediator

Clifford is the founder and CEO of CMS Global Ltd, an organisation dedicated to helping others engage and collaborate to "make change happen". The Global Wind Alliance represents the most recent and significant example of this, bringing together leading companies across Europe to offer Total Life Cycle Management of wind farms across the World.



### Sam Anderson, Managing Director, B9 Energy

Sam Anderson has been involved with the wind energy business since 1996, when he worked for the energy utility, Scottish Power, transferring from the operational hydro division to the wind energy group, to carry out a technical and operational role. During his period with Scottish Power he also held a senior operational management role within the wind energy business, before joining B9 Energy O&M Ltd in 2009, to take on the Managing Director's role.



### Tom McIlwaine, Senior Windfarm Consultant & Iain Ralston, Marine Business Manager, Met Office

Tom is responsible for the ongoing development and application of weather and climate related services to the renewables sector. He joined the Met Office in 1991 and worked as a weather observer and weather forecaster, at a number of sites (UK and overseas), before moving into the commercial sector in 2006. Iain joined the Met Office over 10 years ago and heads up the Marine Division based in Aberdeen. He is leading a team that supports the offshore oil, gas and renewable energy sectors with a wide range of services. In his role he has travelled widely throughout the world.



### Duka Kitaljevich, VP Business Development, GasTOPS

Duka is responsible for marketing and sales of GasTOPS' products and services across all markets and equipment platforms. He has a strong technical background as a mechanical engineer with almost 30 years of experience specifically in the development and application of condition monitoring technologies for critical rotating machinery; from gas turbines, aero engines, helicopter gearboxes, marine drive systems, and wind turbine gearboxes.



### Roman Thomassin, Vice President, LM Wind Power Service & Logistics

Roman Thomassin has 18+ years leadership experience, with a proven track record of building high performance teams across various industries (Automotive, Aerospace, Energy) in a global arena including East and West Europe, North and South America. He has in-depth knowledge of aftermarket organizations and driving operational processes, productivity, efficiency and bottom-line improvements for manufacturing organizations.



### Frank Van Rompaey, Head of Business Development - Wind Energy, Schaeffler (INA/FAG)

Frank Van Rompaey graduated in Mechanics and is an MBA degree holder who has worked for 18 years with the Schaeffler Group, covering a wide range of functions including sales, logistics, supply chain and technical training. He is currently Global Sector Manager - Wind Energy in the Industrial Aftermarket.



### David Moss, Sales Manager, Moventas Wind Oy

Davis has worked 3 1/2 years in the wind industry in Europe, 4 1/2 years as Marine Engineer in the Merchant Navy, 2 years as plant engineer and installation engineer in the bulk LPG industry and 20 years as sales engineer/manager in various industries.



### Jon Beresford, Scroby Sands Manager, E.ON Climate & Renewables

Jon Beresford joined the CEGB as an apprentice in 1982 before becoming an Electrical Engineer at a large coal fired power station. In the 24 years he spent at Ratcliffe on Soar Power Station, Jon had a number of electrical maintenance roles, before becoming a senior engineer in his department. In 2006 he joined the Renewables part of E.on, managing over 80MW of onshore and offshore wind, including Scroby Sands. Now out of warranty, Jon manages Scroby Sands for E.ON Climate and Renewables with his Operations and Maintenance Team, supported by a variety of sub contractors.



### Régis Decoret, Senior Wind Energy Engineer, GL Garrad Hassan

Régis is a mechanical engineer and has previously worked as O&M engineer for a wind turbine supplier and a wind farm operator. He is currently managing the wind turbine inspections department at GL-Garrad Hassan UK, providing inspection services to operators or lenders, using various condition monitoring techniques. He also works with operators to implement risk-based maintenance strategies where remote condition monitoring is used to allow early fault detection and cost effective repair.

## Agenda

### Wednesday, 17<sup>th</sup> November 2010

15.30h **Tour of the Met Office**

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19.15h **Get Together**

Lounge Bar, Mercure Southgate Hotel

20.00h **Pre-Event Dinner**

Seymour Suite, Mercure Southgate Hotel

### Thursday, 18<sup>th</sup> November 2010

08.30h **Registration of Delegates**

09.00h **Opening and Welcome**

09.15h **Safety - The Communication & Culture Challenge**

Sam Anderson, B9 Energy

With the wind energy business experiencing exponential growth, how effective are the lines of communication within organisations when considering safety related issues around design of equipment, maintainability and operability? And how good is the industry in dealing with the legacy issues of poor design around 'equipment maintainability' which can have many years of operating life remaining? Also, what are the barriers and challenges for any organisation to achieve an effective safety culture in an environment of growth and what are some of the specific challenges within the wind industry?

09.45h **Working with the Weather**

Tom McIlwaine & Iain Ralston, Met Office

The Met Office is one of the leading weather service providers in the world. This presentation will focus on how the Met Office works with the renewables sector and show two web based services that help the renewable industry operate and manage their assets. They have worked in close collaboration with some of the leading renewable providers and as a result of their requirements the Met Office has become a leading provider of services which help maximise 'windows of opportunity' in the weather systems both here and abroad. This helps keep windfarm operatives safe and allows managers to work effectively 365 days a year.

10.15h **Particles Matter**

Duka Kitaljevich, GasTOPS

Gearbox condition monitoring based upon on-line oil debris detection is now broadly accepted as an effective method for wind turbines particularly for damage to the slow moving planetary stages. Several thousand turbines are now in operation fitted with oil debris monitors leading to the accumulation of a significant experience base. Listen to Duka speak about this experience including his presentation of many operational gearbox case history events.

10.45h **Coffee Break**

11.15h **Blades are Wear Parts - How to maintain and improve the energy output**

Roman Thomassin, LM Wind Power

Blades are the motor in a wind turbine - it is the blades that extract the energy from the wind. Roman Thomassin of LM Wind Power Service & Logistics will address the impact erosion and turbulence have on the performance of your blades. How can service and maintenance make your blades last their twenty years' lifetime? Or even better, how can you continue to make the most out of their performance?

11.45h **Innovative solutions for the wind energy aftermarket**

Frank Van Rompaey, Schaeffler (INA/FAG)

Schaeffler Group is a leading supplier of bearings and services to the Wind Energy Market. As in other market sectors, Schaeffler does not simply replace bearings but functions as a Solutions Provider. This presentation will describe the Schaeffler Group's portfolio of support to the sector, the key areas of its activities and the benefits for the companies involved.

12.15h **Observations And Implications Of Best Practices From The Service And Repair Side Of The Drivetrain**

David Moss, Moventas Wind Oy

David will explain the intricacies of the wind turbine drive train and everything associated with that, from alignment and service management to contamination.

12.45h **Lunch Break**

13.45h **Weather Briefing**

14.00h **The Out of Warranty Journey**

Jon Beresford, E.ON Climate & Renewables

What do you do when one of the world's first offshore wind farms comes out of warranty, when there is no precedent to follow, when the OEM has the knowledge and skills and competition is very limited? Jon Beresford from E.ON Climate and Renewables talks about how the challenges were assessed and a strategy developed, how they researched the market to allow a full competitive tendering process for all of the maintenance activities for an offshore wind farm. Now and almost a year on, hear about how Jon and his Team are managing the wind farm O&M activities without the comfort of the OEM Warranty.

14.30h **Reliability Centered Maintenance: Optimizing CAPEX cost and improving wind farm productivity by using Failure Mode and Effect Critical Analysis (FMECA)**

Régis Decoret, GL Garrad Hassan

As wind turbines get larger and larger, operating costs are sky rocketing and lost profit due to downtime is becoming substantial. Therefore the old time-based maintenance strategy in use in the wind industry since its early age needs to be updated. Reliability Centered Maintenance (RCM) is a risk based approach focusing in identifying critical components of an asset and setting up mitigation strategies to reduce risks of breakdown. It heavily relies on FMECA to assess critical functions and related components, but also needs inputs from regular monitoring sources such as SCADA systems, Condition Monitoring or inspections. RCM is an ongoing process that needs to be reviewed on a regular basis in order to fine tune the mitigation strategy and optimize the operation costs. It also allows planning the maintenance at low wind speed and greater production at high wind speed.

15.00h **The Conservative View on Renewable Energy**

Charles Hendry MP

15.30h **Official Closing of Quo Vadis**

It would not be possible for us to offer our Quo Vadis Forum free of charge without the support of our Platinum Sponsors who contribute towards the costs of the event:



We would like to take this opportunity to say a big Thank You to the Met Office who have kindly offered us the use of their facilities in Exeter for this event.



Following companies booked exhibition space and will show their products and services:

- GL Garrad Hassan
- Global Wind Alliance
- Moventas Oy
- Schaeffler (INA/FAG)
- Stork Gears & Services
- Morgan Carbon
- Mid Kent Electrical
- Hove A/S
- Bonfiglioli



Founding Member windpower renewable solutions Ltd. are a founding member of the Global Wind Alliance, an association



of global experts in the operation and maintenance of wind farms which brings together some of the finest components manufacturers and experienced engineers from the wind industry and beyond.