

Book before October 1 &
save \$150



Tim Hertel
Senior Manager,
Performance Management
Horizon Wind Energy



Harm Toren
Managing Director -
Head of Operations Services
Iberdrola Renewables United States



Paul Haberlein
Director, SCADA Engineering
Clipper Windpower, Inc.



Paul Veers
Chief Engineer
**NREL's National
Wind Technology Center**



Bruce Hamilton
Director, Energy
Practice
Navigant Consulting Inc.



Gerald Curtin
Wind Services Program Manager
GE Wind Services



Marty Crotty
CEO
UpWind Solutions



Don Roberts
Senior Engineer
DNV



Melissa Valgardson
Performance Engineer,
Wind Operations
TransAlta



Tom Richardson
VP of Service
Repower USA



AnneMarie Graves
Senior Engineer,
Operational Services
**GL Garrard Hassan
America, Inc.**



Diarmaid Mulholland
General Manager
GE Wind Services



G. Michael (Mike) Curley
Manager, GADS Services
NERC

One-day debate &
networking forum
November 30, 2010

Pre-event evening
workshop
November 29, 2010

Crowne Plaza Hotel
Downtown Dallas,
Dallas, TX

WIND POWER

MONTHLY

Successfully interpret wind plant data to improve your O&M bottom line

Reduce downtime & make well-informed
business decisions based on real experience

Top 5 reasons to attend:

1. Identify the latest solutions available for collecting the most useful data
2. Understand exactly what aspects of performance you should monitor to get the best data
3. Hear from NERC and NREL on what plans are in the pipeline for standardization and the impact of potential changes to reporting standards on O&M
4. Explore strategic applications of Condition Monitoring data to ensure that your investment boosts ROI
5. Examine how Horizon Wind Energy, GE Wind Services and Garrard Hassan America, Inc are using collected data to assess and inform their O&M strategies

Join an interactive debate:

- Start the day with a networking discussion
- Participate in Q&A panels with experts
- Gain insight into your peers' O&M challenges through anonymous electronic surveys

PLUS

Pre-event evening networking workshop (separately bookable)
November 29, Crowne Plaza Hotel Downtown Dallas, Dallas, TX

**The increasing role of data in end
of warranty inspections**

www.windpowermonthlyusa.com

What are your wind turbines telling you

Properly collating and applying wind turbine data could be the key to improving the performance of your plants. So, join *Windpower Monthly* at our 2nd US event to explore the latest solutions available and find out how your peers are using data to improve their operations.

8.30am Registration & morning coffee

9.15am **Chair's opening remarks**

Bruce Hamilton
Director, Energy Practice
Navigant Consulting Inc.

NAVIGANT
CONSULTING

9.20am **Networking agenda-setting discussion**

What successes have you had using data within O&M? What are your main challenges? Do you have any particular questions you want to put to any of the speakers or delegates throughout the day?

DATA COLLECTION

9.50am **Identify the latest solutions & strategies available for collecting the most useful data**

- What solutions are out there? Look at the capabilities of a variety of systems, from SCADA to Condition Monitoring and beyond
- How can you improve the quality of the data you are collecting? What methods work best for data collation? What can be done to improve data flow?
- Explore the tools that are available to build the infrastructure for data acquisition

Tom Richardson
VP of Service
REpower USA

REpower
USA Corp.

Additional panelists to be announced

10.30am **Morning break & informal networking**

Name badges will be colored to identify areas of specialization among your peers. Use this opportunity to quickly identify the people you want to speak to and make new contacts.

Speaker confirmations & changes

Please note that speakers are sometimes prevented from attending. Although we do endeavor to find suitable replacements of a similar caliber, we cannot guarantee any specific case studies, speakers or sessions. Updates are regularly posted on the website.

WHAT DATA?

11.15am **Understand exactly what aspects of turbine performance you should be monitoring to get the best data**

- What level and how many different types of data are your peers collecting and assembling on a systematic and on a more ad hoc basis?
- What are the key performance indicators that you should be looking at, beyond availability?
- Identify what information you can gain about your wind plant from SCADA and what is actionable from that

Paul Haberlein
Director, SCADA Engineering
Clipper Windpower, Inc.

Clipper

Marty Crotty
CEO

UpWind Solutions

UPWIND SOLUTIONS

Melissa Valgardson
Performance Engineer,
Wind Operations

TransAlta

TransAlta

MULTIPLE TURBINES

12.00pm **Examine best-practice data collection techniques when reporting on different makes of wind turbines for a consistent approach to O&M**

- How do you effectively monitor a fleet of different turbines? Explore the challenges of collating data from more than one kind of turbine
- Understand how data from multiple makes of turbine can be used to inform and improve O&M across the fleet

Harm Toren
Managing Director - Head of
Operations Services

IBERDROLA RENEWABLES

Iberdrola Renewables United States

12.35pm **Lunch & informal networking**

STANDARDIZATION

1.45pm **Establish what plans are in the pipeline for standardization within the industry & how potential changes to reporting standards would affect your O&M**

- Examine the new metrics that have recently been defined by NERC and the IEC to aid standardization
- Explore what data reporting might become mandatory and how this will affect your data collection and interpretation

G. Michael (Mike) Curley
Manager, GADS Services

NERC

Paul Veers
Chief Engineer

NREL's National Wind Technology Center

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

www.windpowermonthlyusa.com

APPLYING CONDITION MONITORING DATA

2.30pm Explore strategic applications of Condition Monitoring data to ensure that your investment boosts ROI

- Look at the latest in Condition Monitoring systems to understand how they could aid your O&M through the monitoring of oil, vibrations, thermography and more
- Understand how you can apply Condition Monitoring technologies to optimally manage the output and expense of wind plants
- Assess the cost benefits of using the information gathered by these extra systems to understand how they impact your bottom line

Gerald Curtin

Wind Services Program Manager

GE Wind Services

Don Roberts

Senior Engineer

DNV

MANAGING RISK

Additional panelists to be announced



3.15pm Afternoon break & informal networking

USING DATA TO PLAN MAINTENANCE

3.45pm Examine how operators & owners are using collected data to assess & inform their O&M strategies **CASE STUDIES**

- Identify how your peers have used their SCADA and additional data to minimize asset management costs and maximize revenue
- How can you successfully manage collected data and apply the results to your wind plants? What maintenance activities can be determined from your data?
- Explore the business decisions that have been made based on results from SCADA and Condition Monitoring data: what differences have been seen in the efficiency of turbines?

Hear multiple case studies to gain insight into the ways in which different kinds of wind turbine data can inform your plant's performance and then have your questions answered by the panel of experts.

Tim Hertel

Senior Manager, Performance Management

Horizon Wind Energy

Diarmaid Mulholland

General Manager

GE Wind Services

GE will speak alongside a senior representative from a wind plant owner

AnneMarie Graves

Senior Engineer, Operational Services

Garrad Hassan America, Inc.



GL Garrad Hassan

5.05pm Chair's closing remarks & close of event

Pre-event evening workshop

The increasing role of data in end of warranty inspections

Pre-event networking workshop | November 29, 2010

Crowne Plaza Hotel Dallas Downtown, Dallas, TX

5.30pm Registration & evening refreshments

6.00pm Discussion & brainstorming begins

Assess the role of wind turbine data within end of warranty inspections

- How can you use data to your advantage when it comes to end of warranty inspections?
- What is the scope of the inspections? How can data reporting on specific components and general performance back up any claims you may want to make?

Hear feedback throughout the evening to find out the different ideas other groups have come up with for maximum learning.

Don Roberts

Senior Engineer

DNV



8.30pm Close of workshop



The last US event received a 96% satisfaction rate.

"Very informative with good speakers."

Mechanical Engineer, BP Wind - US O&M event, March 2010

"Successful. Intelligent and knowledgeable event."

Commercial Leader, Rexnord Industries - US O&M event, March 2010

"Interesting & worthwhile."

Project Manager, Trevi Energy - Offshore event London, January 2010

"Well organised, useful, good networking opportunity."

Research & Development Manager, Konear-Electrica ENG. Institute - Turbine data event Europe, November 2009

Sponsorship and exhibition opportunities

Would your organization benefit from positioning itself as a key preventive maintenance supplier? Would you like access to over 100 industry professionals at one focused, niche event that you can approach? If so, this event could be a great opportunity. For more information please contact **Meg McNeel** if you are based in the US or Canada on +1 646 638 6172 or email mm@windpowermonthly.com. If you are based in Europe or the rest of the world, please contact **Anne-Marie Sheedy** on +44 (0)20 8267 4002 or email ams@windpower-monthly.com.



3 WAYS TO BOOK

1. Book online at www.windpowermonthlyusa.com
 2. Fax this completed registration form to **+44 (0)20 8267 4486**
 3. Post the booking form with payment to FREEPOST (LON3727), Haymarket Events, 174 Hammersmith Road, London, W6 7JP, UK. Please complete one registration form for each delegate.
- If you have any queries please call us on **+1 877 360 9394** (toll free) or **+44 (0)20 8267 4011**

Name of person completing form if different from delegate:

Please register the following delegate (BLOCK CAPITALS)

Name (Mr/Mrs/Ms/Miss/Dr)

Position

Organization

Address

Zip Code

Tel Fax

Email (A valid email address is required to process your booking)

How did you hear about this event?

Industry type

Name of department head

Job title of department head

I agree to the terms and conditions as stated opposite.

Signed

Please indicate how you wish to pay:

Pre-payments to be made with booking form or, where agreed, payment to be made upon receipt of invoice. A receipted VAT invoice will be issued once payment has been received.

- ☐ Enclosed is a cheque for \$ _____
Cheques made payable to Haymarket Publishing Services Ltd
- ☐ I wish to be invoiced PO Number _____
N.B. Purchase order numbers will be required
- ☐ I wish to pay by credit card
Please charge my: ☐ AMEX ☐ Visa ☐ Mastercard

Cardholder's name

Card No.

Expiry Date Security Code

Card billing address (if different from above)

Cardholder's signature

Data protection

By registering for an event, Haymarket Events can provide you with information relating to your booking and other Haymarket related products or services via email, direct mail, fax or telephone. Please write to the Head of Marketing at the address stated above if you do not wish to receive this information. We may also make your details available to carefully screened companies (excluding email addresses) who have offers that may be of interest to you.

- ☐ Yes, I would like to receive carefully screened and work related emails from third parties.
- ☐ No, I specifically do not want my details to be made available to third parties.

Successfully interpret wind plant data to improve your O&M bottom line is produced by Haymarket Events

Price information	Book before October 1, 2010	Book before October 22, 2010	Book after October 22, 2010
One-day event only			
Event Rate*	<input type="checkbox"/> \$500 Save \$150	<input type="checkbox"/> \$600 Save \$50	<input type="checkbox"/> \$650
One-day event & end of warranty workshop			
Event Rate*	<input type="checkbox"/> \$650 Save \$150	<input type="checkbox"/> \$750 Save \$50	<input type="checkbox"/> \$800
End of warranty workshop only			
Event Rate*	<input type="checkbox"/> \$325		
Group discount**	<input type="checkbox"/> 3rd delegate receives 60% discount		
Speaker presentations	<input type="checkbox"/> \$199		

* Includes hard copy speaker notes at the event and online access to speaker notes post event.

** Only one discount can be used per registration.

Related events

Please send me more information about:

- ☐ Cost-effective, best-practice O&M strategies, September 9-10, 2010, Hamburg, Germany
www.windpowermonthlyevent.com
- ☐ Deliver cost-effective wind power stations further offshore, November 15-16, 2010, London
www.windpowermonthlyoffshoreevent.com

Further information for delegates

Accommodation

A limited number of rooms are available at the Crowne Plaza Hotel Downtown Dallas. Call **001 214 442 6263** or email leird@crowndallas.com and always quote booking reference 'GAI' for rates from \$139. All reservations must be made before October 31. After this date all rooms & rates are subject to availability. For a further selection of nearby hotels please visit www.booking.com/dallas.

Dietary requirements

A vegetarian lunch option is provided as standard. For any other dietary requirements, please contact the events team on **+1 877 360 9394** (toll free no) or **+44 (0)20 8267 4011** or email us on events@windpower-monthly.com.

Access requirements

We make every effort to ensure our events are accessible for all delegates. For any specific access requirements, please contact the events team (as above).

On the day

Please note that we may take photographs, video and audio footage of the event, which may include speakers and the delegation, and this may later be used in editorial features and/or in marketing and promotional material. Whilst in attendance at any Haymarket event, if your behaviour is deemed disruptive, offensive, dangerous, illegal, or if you are found to be distributing unauthorised material we reserve the right to eject you without any prior notice or refund. Audio and visual recordings or the distribution of commercial materials are not permitted without our prior consent. We nor the venue can accept no liability for damage to or loss of personal belongings at the event venue.

Speaker confirmation & changes

We arrange our events and speakers up to 6 months in advance and, as the date of the event approaches, sometimes speakers are prevented from attending for personal or business reasons. With the increasingly challenging market conditions, we cannot guarantee any particular case study or speakers, as our speakers themselves cannot guarantee their attendance to us. We appreciate your understanding. We endeavor to find suitable replacement speakers of the same caliber. Often, however, a direct replacement cannot be found or found with enough time for the replacement to prepare a quality presentation. Please visit the website for regular updates on the speaker faculty.

Terms and conditions

Confirmation procedure

Once we have received confirmation of your booking in writing (either online, fax or post) we will send you a confirmation email. If you request to be invoiced, payment terms will be 28 days from date of booking. An invoice will then be generated and sent out to you via post. If your company uses Purchase Order numbers, please supply this at the time of booking as failure to do so may cause problems with your booking. If you chose to pay by credit card you will receive an email confirmation from RBS WorldPay and later a VAT receipt from our accounts department. Please note that we must receive full payment prior to the event start date. Booking form submission (either online, by fax or by post) does not guarantee a place. The dispatch by us of an email confirmation constitutes a legally binding contract. If you have not received your confirmation email 7 working days after submission of your booking, please contact the Customer Services team on **+1 877 360 9394** (toll free no) or **+44 (0)20 8267 4011** as there may be a problem with your booking. Haymarket Events are unable to accept responsibility for the non-arrival of information. Haymarket Events reserves the right to decline any booking. Haymarket Events reserves the right to vary the content, timings, location and/or speakers of events and as such accept no liability for variations.

Cancellations

All cancellations must be made in writing to events@windpower-monthly.com and received by us no later than **November 9, 2010**. It is the booker's responsibility to ensure that we have received the cancellation. Such cancellations are subject to a handling and administration fee of \$125 per delegate, which will be deducted from any due refund or invoice, whichever is appropriate. We regret that no cancellations are accepted within 20 days of the event date due to the way in which we are in turn charged by our suppliers. However, a substitute delegate can always be nominated. Substitutions on the day of the event are made at the organiser's discretion only. Pre-payments will not be refunded and invoiced sums will be payable in full, except in cases where it has been possible to mitigate loss. Haymarket Events will not offer refunds to delegates due to a terrorist alert or incident unless the event is cancelled. In this instance, Haymarket Events will retain up to 50% of the event fee to cover marketing, administration and delegate registration costs.

Let us manage your event for you

Haymarket Events organises a variety of event formats on behalf of third-parties, including associations, not-for-profit organisations, the public sector and corporate clients. We work to the client's objectives to produce dynamic events that deliver exceptional results. For more information, please contact **Charlotte Williams** on **+44 (0)20 8267 4318**.

Sponsorship and exhibition opportunities

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