

INVITATION



ONSHORE WIND SEMINAR



SEMINAR IN EDINBURGH ON ONSHORE WIND - O&M, OPTIMISATION AND REPOWERING

26 October 2021

With more than 7,000 onshore turbines now installed in the UK, maintaining and optimisation existing assets has never been more important.

This seminar provides an opportunity for experts across the industry to come together and share knowledge, challenges and solutions to how we elevate and get the most out of the operating fleet of wind farms.

For the full programme and speakers please see page 2 and 3 of this invitation.

WHO SHOULD ATTEND?

Wind farm owners, operators and developers. Anyone actively looking to deliver or advice on optimizing onshore wind farms who are interested to learn and network with experts in the sector.

VENUE: Radisson Blu Hotel, 80 High Street, The Royal Mile, Edinburgh EH1 1TH

TIME: 26 October 2021 from 10:00-16:30 with registration starting at 9:30

REGISTRATION: The seminar is free to attend but spaces are limited and registration is essential.

To register reply to Senior Advisor Rasmus Leth Traberg at the Danish Embassy on rastra@um.dk or call 02073 330 232.

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PROGRAMME

- 09:30 Registration and Coffee
- 10:00 Welcome by the **Trade Council** and **DWEA**
- 10:10 **Onshore wind in Scotland**
George Baxter, Director of Development at **GreenPower International**
- 10:30 **Repowering in Scotland**
Neil Collar, Partner and Head of Planning Law at **Brodies LLP Solicitors**
- 10:50 **Developers perspective**
Derek Hastings - Head of Onshore Projects - **SSE Renewables**
- 11:10 **Is humidity an issue for onshore wind?**
Even in onshore wind, we see an increasing focus on humidity's costly issues like mold, corrosion and electrical failures. COTES has been supplying dehumidifiers for the wind industry for more than 20 years. We will present suggestions as to how dehumidifiers can protect your wind assets and share various business cases.
Mogens S. Nielsen, **COTES**

11:30 – 12:00 Coffee and networking

- 12:00 **Panel and audience discussion:**

Mechanical Applications – Up-tower repair

- **Extending life of brake systems**

Wind turbines can have a lifetime of between 20 - 30 years. To ensure an installation meets this time frame, it is critically important to use genuine and original spare parts in order to properly maintain the function of the rotor and yaw brake systems. To extend the life of the brake systems, service protocols and procedures are needed, and the use of application specific service tools all designed and developed to optimise up-tower service of the brake systems, by **Svendborg Brakes**

- **Up-tower recovery services**

In case of damage to a main component like a generator shaft or yaw ring, our on-site recovery services will help you cut costs and save time by bringing the workshop up-tower and getting the turbine back in operation right there. Get a quick introduction to our most demanded services, by **MAN PrimeServ On-site Recovery**



- **Optimised output through upgrades of lubricated wind turbine components**
Gearboxes, pitch- and yaw systems are major contributors to WTG down time. They are also all lubricated system and UWF's insight in tribo engineering has enabled us to make component up-grades to your wind turbines. We use the newest OEM technology and apply this to the legacy platforms. Our solutions are OEM approved and we also assist with field training and installation. Ulf Rye Bertelsen, **United Wind Force**

13:00 – 14:00 Lunch and networking

14:00 Panel and audience discussion:

Control and Power

- **Controller Retrofits: Unlock data, O&M Service and spare part alternatives**
An introduction to the commercial and technical benefits of WTG controller retrofits. Realise in-house maintenance strategies on previously locked down assets and discover remote access, control and AEP gains possible through some customer case studies. Alex Pucacco, **DEIF**
- **Controller Retrofits: Unlock data, O&M Service and spare part alternatives**
Jesper Kurt Nielsen, **Mita Teknik**

14:40 Panel and discussion:

Blades, leading edge erosion, aerodynamic upgrades and lightning

- **Lightning, rain and grid sensors**
By measuring the real impact of lightning strikes, a precise maintenance plan can be executed, using only the means necessary. By knowing when rain and hail strike the blades, rotational speed can be lowered localized and time constrained. Using the power sensor, transformer breakdowns can be avoided, and complicated fault scenarios efficiently solved. Peter Johansen, **Jomitek**
- **Optimising turbine performance through intelligent aerodynamic upgrade**
All wind turbines have the potential to generate more energy by improving baseline performance and recovering losses due to ageing blades. Power Curve applies industry-leading aerodynamic engineering techniques to design custom upgrade packages for any wind turbine. Our field-validated products include vortex generators, Gurney flaps, and trailing edge serrations. Nicholas Gaudern, **Power Curve**
- **ELLE™- Lifetime protection against leading edge erosion**
A forecast by the energy consultancy, Wood Mackenzie, projects that the money spent repairing leading edges will surpass one billion dollars per year by the end of the decade. ELLE™ is our solution to lifetime protection against leading edge erosion that puts an end to leading edge erosion and thereby enables OPEX savings and overall reduced LCOE. Claus Ahler, **PolyTech**

15:40 – 16:30 Beer and networking reception