



Global Wind Turbine Operations, Maintenance and Materials Forum

23-24 November 2023, Amsterdam, Netherlands

prima

INTRODUCTION:

Join us this November for the only Global Wind Turbine Operations, Maintenance and Materials Forum to latch onto all the opportunities the sector offers while unravelling the latest developments in asset optimisation and operation and maintenance of your onshore, offshore, and floating wind assets. Learn the latest trends in market prospects and materials development to stay on top of the competition and make a step toward the coal-free future.

The Forum will provide an ideal space for networking with the key industry players: senior managers, decision-makers, and practitioners operating in the industry and making the most of existing and developing wind technologies. Join us in Amsterdam or online for this must-attend global event.

OUR SPONSORS:



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DAY 1 – Thursday 23rd November 2023

09.00

Opening address from the Chair

KEYNOTE ADDRESS

09.10 – WindEnergy trend: index –mood and development of the wind industry worldwide

- Initial situation and framework conditions
- Status quo: Climate protection and expansion targets for offshore wind energy worldwide
- Market development
- Conclusion

Dirk Briese

Managing Director

wind:research, Germany

wind:research
powered by trend:research

09.40 – What is the ROI of maintenance 4.0?

- Overview of key innovations in maintenance 4.0
- Challenges in calculating the return of investment
- Selected use cases in offshore wind

Ursula Smolka

Head of Offshore Wind Asset Management Global Wind

Ramboll, Germany

Wouter Maas

Head of Wind

Ramboll, Netherlands

RAMBOLL

10.10 – Opportunity to learn about the sponsor solutions, interactive networking session and coffee break

10.40 Reserved for a sponsor

11.10 Topic TBA

Jan De Groof

Head Asset Management and Procurement

Engie, Belgium

ENGIE

11.40 An analysis of O&M prediction fault models

- An overview of the current state of the prediction models
- Implications for the predictive O&M
- Maximising value of existing assets

Marie Renner

Head Of Renewables Offshore Wind R&D project leader

EDF, France

edf

12.10 Lunch

DAY 1 – Thursday 23rd November 2023

13.10 A focus on the supply chain: How the Wind energy is set to develop and what are the risks and challenges that comes with it

- Analysing the major challenges in wind supply chain
- Finding potential solutions and optimising supply chain across your organisation

Muhammad Bilal

VP PM Wind Solutions

Rystard Energy, Norway



**Rystard
Energy**

13.40 Best practices in reducing costs and achieving operational efficiency

- Identifying the leading drivers in cost reduction
- The role of developing technologies in bringing down O&M costs
- Finding the most cost-effective strategies for O&M optimization

Amaury Neto

Asset Management Director

Voltalia, Brazil



14.10 Opportunity to learn about the sponsor solutions, interactive networking session and coffee break

14.40 The ENERTRAG Inspection-App saves Time & Money

Elena Piras

Powersystem Key Account Manager

ENERTRAG, Germany



15.10 Wind turbine drivetrain reliability from inherent to operational

- Reliability from two angles: inherent during product development and operational during O&M
- Inherent reliability: understanding loads and operational conditions, dynamics modeling approaches
- Operational reliability: gaps identification, performance and condition monitoring, and remaining useful life

Shawn Sheng

Senior Research Engineer

NREL, USA



15.40 Sustainability of wind blade manufacturing process

- The future of wind blades – a focus on existing and developing materials
- Structural health monitoring, an innovative methodology
- Does material sustainability equal sustainable manufacturing

Michele Damiano

CTO

Cartflow, Italy



16.10 Insourcing of digital competence: Optimization of in-house O&M by the provision of tailor-made information

- Overview of the implemented in-house designed data warehouse and infrastructure
- Introduction of implemented KPIs
- Application of KPIs to improve O&M performance

Martin Gruber

Performance Analyst

Verbund, Austria



16.40 End of the first day

DAY 2 – Friday 24th November 2023

09.00

Opening address from the Chair

OPENING ADDRESS**09.10 – Operating Wind Farms & Digitalisation: A Sprint or a Marathon?**

- A review of the main topics of focus for O&M digitalisation in wind
- Comparisons with other industries
- Typical challenges for digitalisation in an operations & maintenance business
- Mindsets for effective change and accelerated adoption

Clym Stock-Williams

Head of Operational Excellence, Offshore Wind

Vattenfall, Netherlands**VATTENFALL** **09.40 Advancements in O&M in Floating Offshore Wind****Adam Blake**

Head of Offshore Wind

Applus, UK**Applus** **10.10 Reserved for a sponsor****10.40 – Opportunity to learn about the sponsor solutions, interactive networking session and coffee break****11.10 Offer and demand: How to meet the targets?****Javier Torrijos**

Head of Procurement: Offshore Wind

Statkraft, Denmark **Statkraft****11.40 Available speaking slot****12.10 Lunch**

DAY 2 – Friday 24th November 2023

13.10 How multi-rotor systems and mass-production enables a disruptive O&M capability for offshore wind

Ole Heggheim

CEO & Co-Founder

Wind Catching Systems, Norway



13.40 Condition monitoring and digital twins of blades

- How will digital twin technology change our industry?
- Sensors and condition monitoring systems for blades
- Demonstration of digital twin monitoring damage growth in physical blade twin

Kim Branner

Head of Section Structural Design and Testing & Project Manager

DTU Wind, Denmark



14.10 Opportunity to learn about the sponsor solutions, interactive networking session and coffee break

14.40 Reserved for a sponsor

15.10 Latest research outputs on advanced leading edge erosion test methods developed during 2 Horizon projects Carbo4Power and AIRE

- Understanding of why the current rain erosion test method doesn't give realistic results for modern polymers (Carbo4Power)
- A focus on incorporate weathering with rain erosion (AIRE)

Peter Kinsley

R&D Engineer – New Materials

ORE Catapult, UK



15.40 Offshore O&M Excellence: Chances and challenges in a vast growing market

Friedrich von Storch

Manager Operations Offshore

Wind

EnBW, Germany



16.10 End of the second day