

The 4th Annual Wind Turbine Technical Symposium



📍 Denver, CO

📅 16 -18 September

✉ Networking dinner incl.

Engage with industry peers

Keep up to date with the latest reliability and O&M challenges

This is an **invite only** event for Asset Managers, Reliability Engineers and O&M Managers, interested in improving the industry. This closed door event is **purely technical with no sales pitches**. Share your issues, hear from others, educate your team. Event format is speakers, panel sessions and interaction.

Hear from industry O&M and reliability experts, including:

Ian MacRobbie, VP Operations
Bilen Ham, VP Project Development
Paul Veers, Chief Engineer
Yi Guo, Senior Research Scientist
Chris Blythe, Asset Manager
Aaron Greco, Group Leader
Manuel Muñoz, Maintenance Eng. Manager
Stanton Peterson, Wind Technology Engineer
Jeremy Tchou, Director Due Diligence Services
Curt Eliason, VP Specialty Services
Jed Van Sciver, President
Wind Turbine Engineering Team

Liberty Power
 BP Alternative Energy
 NREL
 NREL
 CD Arevon
 Argonne Nat. Laboratory
 Acciona Energy USA
 BP Alternative Energy
 UL Renewables
 Renew Energy Maintenance
 Harvest Energy Services
 ONYX InSight

2019 Symposium Themes:

- **Repowering:** How did it go? - Challenges experienced in delivery
- Reliability and **turbine failures** – Latest issues and mitigation
- **Managing aging assets:** pitch, yaw, gearbox, main bearing
- Due diligence and OPEX for **operating asset acquisitions**
- New developments in **predictive maintenance**
- **Latest national labs research** on bearing failures
- Achieving **scheduled maintenance cost reductions**



2018 NA Symposium, Golden, CO

Don't miss out This popular and growing event is capped at 80

“ Very informative, open conversations between SME, owners and operators ”

Byron Jesse, DUKE ENERGY

“ As advertised, no marketing or sales program ”

Dushyant Tank, PATTERN

“ In-depth technology-orientated sharing. I really enjoyed the openness from different parties. ”

Simon Bao, E.ON

REQUEST AN INVITATION

For more information, please contact Alex Tusia:

✉ Alex.tusia@onyxinsight.com

☎ +1 303 351 5418



Thank you to our sponsors for supporting this event



Join in our conversation

Monday - 16th September | Pre-Symposium Training & Demonstrations

2:30 - 3:00	Check In & Registration
3:00 - 3:20	ONYX InSight In 2019 - Ashley Crowther, ONYX InSight
3:20 - 3:50	Vibration basics/Technology Demonstration - Noah Myrent, ONYX InSight
3:50 - 4:10	Hands On Predictive Analytics - Jonathan Sharf, ONYX InSight
4:10 - 4:30	Coffee Break
4:30 - 5:00	Latest ONYX software product demonstration - liveREPORT reliability dashboard - Won Shin, ONYX
5:00 - 5:30	Digging Into Steel - Cameron Misegadis, ONYX InSight
5:30 - 6:30	Evening Reception: Happy Hour Drinks & Canapés

Tuesday - 17th September | Bearings, Aging Assets, & Repowering

7:30 - 9:00	Coffee Cart: Barista Serving Fresh Morning Beverages
8:00 - 8:45	Check In & Registration
8:45 - 9:00	Welcome: Introductions & Safety Minutes - Ashley Crowther, ONYX
9:00 - 9:45	Updates From The Latest ONYX RCAs - Jason Shapiro, ONYX InSight
9:45 - 10:15	Group Picture & Coffee Break
10:15 - 10:45	Bearings: Design Issues & What Is Life? - Cameron Misegadis, ONYX InSight
10:45 - 11:15	White Etch Cracks: Research Updates - Aaron Greco, Argonne National Laboratories
11:15 - 12:00	Panel & Participant Discussion I: Bearing Failures - Argonne National Laboratories, BP, NREL, & ONYX InSight
12:00 - 1:00	Lunch
1:00 - 1:30	Rotor vibration RCA results - Michael Hornemann, ONYX InSight
1:30 - 2:00	Managing Aging Assets - Noah Myrent, ONYX InSight
2:00 - 2:15	Coffee Break
2:15 - 3:00	Panel & Participant Discussion II: Impact of Data on O&M Decision Making - Liberty Power, Mistral, Castrol & ONYX InSight
3:00 - 3:30	Coffee Break
3:30 - 5:00	Panel Discussion III: Repowering, how did it go? - UL, BP, NREL & ONYX InSight
6:00 - 9:00	Evening Reception: Drinks & Appetisers

Wednesday - 18th September | Harnessing Technology To Reduce OPEX

7:30 - 9:00	Coffee Cart: Barista Serving Fresh Morning Beverages
9:00 - 9:45	Combining Machine Learning & Domain Expertise - Won Shin, ONYX InSight
9:45 - 10:15	Novel Uptower Repairs - Curt Eliason, Renew Energy
10:15 - 10:45	Coffee Break
10:45 - 11:30	Online Oil Sensor Performance: Laboratory & Field Research - Jesse Graeter, ONYX InSight
11:30 - 12:00	Benefits from Data Access - Evgenia Golyshova, ONYX InSight
12:00 - 1:00	Lunch
1:00 - 1:30	Life Extension - Zhiwei Zhang, ONYX InSight
1:30 - 3:00	Panel Discussion IV: In 2020 it is all about OPEX - Harvest, NAES, CD Averon & ONYX InSight
3:00 - 3:10	Closing Remarks - Ashley Crowther, ONYX InSight

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