

inspection workflow and by increasing the robustness of our products. We also continue to expand our product range, and we expect to launch our new offshore inspection solution later this year.”

MORE INFO www.sulzerschmid.ch

INNOVATION

Bazefield software manages 23 GW of renewable energy

Bazefield has had strong growth in the wind and solar domain.

Bazefield software manages 23 GW on installations across 23 countries. This includes sites in Europe, North America, South America, and Asia.

The system is in use by a range of notable clients including EDF Luminus, ReNew, Brookfield Renewables, ConEdison, Equinor, and more. Bazefield is the state-of-the-art product when digitalizing renewable energy O&M.

The Bazefield software is the most flexible and comprehensive off-the-shelf system in the market. The system is scalable from a single farm to large portfolios, and it captures real-time data, monitors and control assets and sites, includes several tools for visualization, predictions, and analysis based on machine learning and others. Bazefield further supports



The Bazefield software is the most flexible and comprehensive off-the-shelf system in the market. (Courtesy: Bazefield)

workflow and task management and provides overviews and operational real-time performance reporting. This also includes flexible dashboard design functionality and support for portable devices.

MORE INFO bazefield.com

INNOVATION

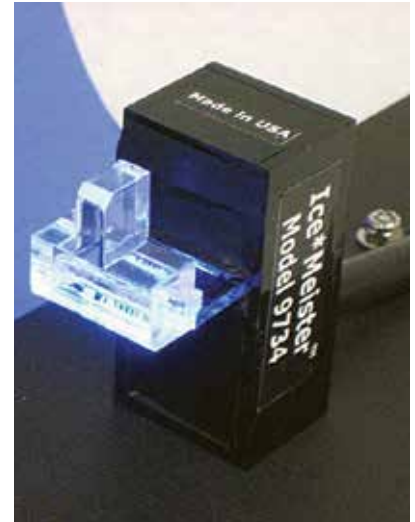
Global distributor, sensor maker modernize ice sensors

Wind Cluster ApS, global distributor of wind-turbine components and accessories, together with New Avionics Corp, leading maker of modern optical ice sensors for industry and aerospace, recently announced the two companies have signed a distribution agreement covering modern ice sensors for wind-turbine manufacturers, operators, and energy companies throughout Europe, China, and India.

In Europe and Asia, Wind Cluster is a one-stop shopping center for turbine manufacturers and operators, offering a wide variety of components and accessories to the global wind power industry. Wind Cluster operates through a network of offices in Denmark, China, and India.

In Florida, New Avionics has developed the Ice[®]Meister™ line of NASA-tested optical ice sensors for aerospace and industry, where the need is to sense hazardous ice and take corrective action. These are demonstrably the smallest, lightest, most-sensitive ice detectors for wind-power turbines, unmanned aerial vehicles, commercial refrigerators and heat pumps, HVAC cooling towers, radio and TV broadcast towers, autonomous commercial drones, vehicular bridges and overpasses, oil and gas sites, etc.

“Ice detection is a necessity for optimum power production and safety in many countries,” said Peter Nyegard Jensen, CEO of Wind Cluster. “Until now, solutions have been complex and expensive. Therefore, we are



New Avionics has developed the Ice[®]Meister™ line of NASA-tested optical ice sensors for aerospace and industry, where the need is to sense hazardous ice and take corrective action. (Courtesy: New Avionics)

happy to introduce the products and unique expertise of New Avionics to the industry.”

“New Avionics is extremely pleased to sign this agreement with Wind Cluster for distribution of our ice sensors,” said Richard Hackmeister, CEO of New Avionics Corp. “This pact helps turbine manufacturers and operators maximize operational efficiency during icing conditions, at the lowest possible sensor cost. We look forward to a long and productive relationship with the hardest-working distributor of wind-power components and accessories.”

MORE INFO www.newavionics.com

MAINTENANCE

U.K. wind firms push investment in masts and monitoring

Dulas, a leading renewable energy consultancy, recently announced its wind monitoring division saw an uptick in work from new and existing clients in 2018, as the business sup-



The bulk of the Dulas' work in 2018 came from meteorological mast installation, refurbishment, and decommissioning. (Courtesy: Dulas)

ported more than 30 wind companies in managing their meteorological mast and remote sensing services across their wind portfolios.

The bulk of the firm's work came from meteorological mast installation, refurbishment, and decommissioning, as clients either replace or upgrade their monitoring, or site new masts for future wind project development.

As highlighted in the recent Dulas report, *Enhanced Data and Enhanced Returns: Getting the Best From Wind Monitoring Technology*, wind speeds are directly proportional to project returns, a crucial factor continuing to drive investors planning post-subsidy wind projects.

Alongside onsite work undertaken by Dulas, asset owners increasingly turned to data services in 2018, allowing them to streamline resource reporting as well as anticipate and pre-empt operations and maintenance (O&M) costs. Dulas performed data services for nearly 30 percent of its wind-monitoring client-base.

"While recent U.K. government decisions on support for renewable energy – notably onshore wind – have significantly and negatively affected the pipeline for future development, it is encouraging that there are developers in the industry looking

carefully at how to make future project economics stack up," said Rachel Munday, commercial lead for Wind Monitoring at Dulas. "Key to this, of course, is the quality of data provided in early stage resource assessment by meteorological masts and remote sensing from Sodar and Lidar."

"Furthermore, the increase in volume of work we've seen at Dulas is likely testament to existing asset owners investing in securing their future returns, optimizing their projects using meteorological mast data," she said.

2018 additionally saw the expansion of Dulas' services into Europe, with the business undertaking remote sensing work for U.K.-based clients in Scandinavia.

MORE INFO www.dulas.org.uk

MAINTENANCE

Zero-Max tool offers pre-set torque value

The Zero-Max Torq-Tender™ is an enclosed device with no external adjustment features. It has a pre-set torque value and, once installed, cannot be changed. This feature safeguards

against improper or unauthorized torque adjustments.

Designed to avoid system damage, Zero-Max Torq-Tenders provide dependable overload protection. When a jam-up or excessive loading occurs, the built-in Torq-Tender will reliably and quickly release to prevent system damage. Proper torque setting ensures the machine operates and reacts the way it was intended. The Torq-Tender's pre-set torque with no external adjustment feature, ensures the proper torque setting is maintained.

Additional Zero-Max Torq-Tender features include:

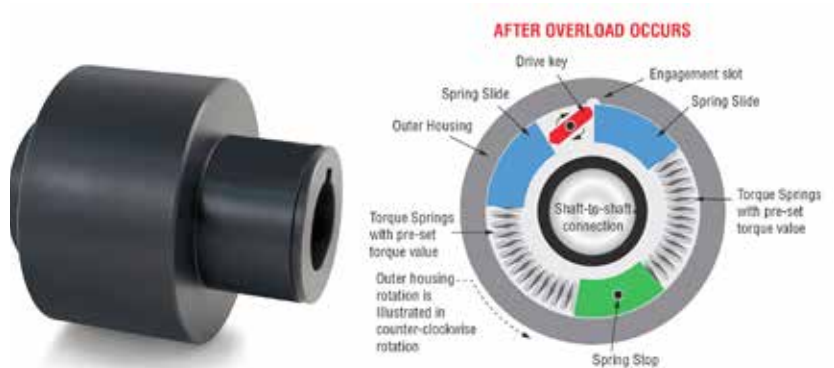
- Standard Torq-Tenders are bi-directional. Torque values remain the same regardless of rotation.

- If specified, the Torq-Tender can be configured at the factory to release at different torque ratings for different rotational directions.

- When used as a coupling, the Torq-Tender fulfills two functions: as a flexible shaft coupling and as a mechanical torque limiter.

- Designed with heat-treated steel, Zero-Max Torq-Tenders are manufactured and assembled to operate in a wide variety of demanding industrial environments. Special designs and finishes are available to withstand the most adverse operating conditions.

MORE INFO www.zero-max.com



Zero-Max Torq-Tender™ (left) have torque springs with pre-set torque value (right). When system jam up or overload occurs, the Torq-Tender releases at the pre-set torque value.