

Press Release



1 + 1 = 3 – Phoenix Contact and Wölfel Wind Systems combine their core competencies

Sometimes one and one add up to more than the mere addition of numbers.

Structural Health Monitoring (SHM) of rotor blades is a complex and demanding task that requires very good hardware as well as professional data analysis in order to be able to make really precise and early statements about structural damage to the rotor blade. For this reason, two specialists have now joined forces to offer wind farm operators the best possible combination of forces on the market.

Phoenix Contact offers innovative automation and connection technology for equipping your wind turbine or your entire wind farm. The products impress with their special robustness and clever functions. User-friendly operation and seamless interaction are a matter of course.

Wölfel Wind Systems is the European market leader in the field of structural monitoring of offshore wind farms and has built up a unique core competence in the market over decades, especially in data analysis today combined with AI.

The combination of these competencies generates significant added value for wind farm operators:

- They are informed about damage and structural changes at an early stage and are thus able to act proactively.
- Maintenance intervals become more predictable, "black sheep" in your wind farm can be identified and targeted accordingly. For inconspicuous turbines, you can extend the intervals accordingly.
- The costs for service calls as well as downtimes can thus be significantly reduced.

"We expect this cooperation to bring significant benefits for operators, because the interaction of professional hardware from Phoenix Contact with the high level of data analysis expertise from Wölfel Wind Systems will contribute to a noticeable optimization in operational management" says Dr. Bastian Ritter, Product Manager Monitoring Systems Wölfel.

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Vibrations, structural mechanics and acoustics - these are Wölfel's corporate fields.

Since 1971, Wölfel has been developing solutions for customers worldwide to meet the constantly new and diverse challenges in these fields. In order to be optimally positioned in all fields of competence, the Wölfel Group consists of three companies:

Wölfel Engineering is focused on engineering solutions around our central competence fields of vibration, structural mechanics and acoustics. Our services range from expert opinions to the delivery of complete systems for solving vibration problems.

Wölfel Monitoring Systems develops, produces and sells customized measurement and monitoring systems for vibrations, shocks and noise as well as software developed in-house, e.g. for immission control.

Wölfel Wind Systems focuses on the series production, delivery and installation of SHM and CMS systems as well as vibration and structure-borne noise reduction systems for wind turbines.

The Phoenix Contact Group

Phoenix Contact is a global market leader and innovator in connection technology, electrical engineering and automation. Today, the German family-owned company employs around 17,100 people worldwide and generated sales of 2.4 billion euros in 2020. For Phoenix Contact, social responsibility for a sustainably designed world is of outstanding importance as a key partner for future-oriented solutions in electrification, networking and automation.

Harsh environmental conditions and long life cycles

Wind turbines place high demands on electrical engineering. Phoenix Contact offers innovative and particularly reliable solutions for wind turbines.

Decades of experience and specially developed products are the basis for high-performance solutions, from lightning current measuring systems to wind farm management. The focus is always on maximum availability for efficient energy generation.