



Maintenance-free "fit and forget" Solutions for the Optimization of Wind Turbines

(Mynewsdesk) Based on robust and maintenance-free fiber optic measurement technology, fos4X develops durable "fit and forget" solutions for the optimization of wind turbines. This offers the customer maximum profitability and safety with minimum effort over the entire design life of the wind turbine.

Robust Against Wear and Lightning StrikesThe design service life of wind turbines is at least 20 years. Since additional maintenance work is cost-intensive, solutions for optimizing wind turbines must be maintenance-free over the entire service life of the turbine.

This is where fos4Xs fiber optic technology can fully exploit its potential. No moving parts, no electrical voltage in the sensors, no danger of lightning or strong electromagnetic fields. The developments of fos4X GmbH, which are focused on robustness, reliability, longevity and maintenance-free operation, show their effect in the field.

"Working together with our customers to achieve relevant additional yields without having to think about additional maintenance costs for the installed hardware is just a great thing?", says Bernd Kuhnle, CCO at fos4X.

Fit and forget Ice Detection SystemThe advantages of these solutions are illustrated by the example of the ice detection system Rotor Ice Control, which can represent the entire fos4X product range:

The hardware can be easily integrated as a "fit and forget" retrofit solution. Further expenditure is not to be expected due to the maintenance-free nature of the system over its entire service life. In addition, the customer is pleased about relevant additional yields through higher availability and reduces costs, for example through automatic restart after ice events.

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About fos4X

Founded in Munich in 2010, fos4X GmbH is a specialist for reliable, fiber-optic measurement technology and sensor technology as well as for innovative data analysis. It develops intelligent solutions for optimizing wind energy. These solutions are primarily used in wind turbines to optimize operation.

The fiber optic sensors and solutions are also used in the fields of electromobility, process measurement technology and railway technology.

Anlage: Bild

