

fos4X Ice detection: from 2019 in Enercon wind turbines

Rotor Ice Control available for Enercon turbines

Munich, November 2018 - Enercon is installing the ice detection system Rotor Ice Control from fos4X in its wind turbines. It will be available as a standardised series-product starting in 2019. With this development, Rotor Ice Control will be used by all three major German turbine manufacturers for new turbines or in retrofits.

Long-term partnership

fos4X and Enercon have been closely working together since 2013. Areas of cooperation include equipment for prototype validation and successful joint development projects. Beginning in 2019, it will be possible to retrofit the fos4X ice detection system directly through the turbine manufacturer. In a few months, the system will also be available in new Enercon turbines.

Rotor Ice Control based on fos4Blade

The ice detection system Rotor Ice Control reliably detects ice build-up directly on the rotor blade and autonomously stops and starts the system after defrosting. The system can also control the blade heating. Rotor Ice Control is based on the modular, fiber optic sensor platform fos4Blade, which can also be used for load measurement or structure monitoring.

Renuharan Neethirajah, Key Account Manager at fos4X:

"With Rotor Ice Control, we offer a certified rotor blade ice detection system based on our reliable fiber optic measurement technology. This was explicitly optimized for use in the cost-competitive "wind energy" environment.

Thanks to the modular design of the fos4Blade sensor platform, Rotor Ice Control can be retrofitted to existing wind turbines in less than one working day."

About fos4X GmbH

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.

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