retroX Digital Backbone for Existing Turbines

(Mynewsdesk) With retroX, fos4X offers a stand-alone retrofit solution for digitizing and improving the efficiency of existing turbines and supports operators for potential extended operation after the expiration of the EEG subsidy. retroX will be available for different turbine types (multi brand) from Q2 2019.

Transparency and Recommended Actions on Performance and ConditionretroX is a manufacturer-independent, stand-alone solution that works without direct integration into the turbine control system. Individual turbines, as well as entire wind farms, can be digitally integrated into a cloud-based IIoT environment. In addition to providing turbine data in the fos4X cloud platform, integration into existing management software is also possible.

?By transferring dynamic turbine data into our IIoT cloud and directly providing data, we provide transparency for our customers across all plants regarding the current performance and condition of their turbines.?

Dr. Lars Hoffmann, founder and CEO of fos4X GmbH.

Yield Optimization and OPEX Reduction - Fast Return on InvestmentBy using the standardized fos4Blade sensor platform, the initial investment for retroX is extremely low. Additional modular, digital optimization packages form a flexible and holistic solution. For the first time, an economically sensible retrofitting of existing turbines in their second decade of design-life is made possible.

Higher availability and more efficient operation of the turbine through retroX lead to a very fast amortization of the investment. At the same time, the real-time availability of operating and status data enables optimized maintenance and a reduction in operating costs.

Load Data Support Decision on Continued OperationretroX prepares operators of wind turbines optimally for the upcoming assessment of the extended service life of wind turbines. Through the long-term recording of load data and its extrapolation, a plant-specific load history is created over the entire operating life. Previous conservative load assumptions for the calculation of the remaining service life are supplemented by qualified and reliable data.

Diese Pressemitteilung wurde via Mynewsdesk versendet. Weitere Informationen finden Sie im fos4X

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About fos4X GmbH

Founded in Munich in 2010, fos4X GmbH is a specialist for reliable, fiber-optic measurement and sensor technology as well as for innovative data analysis. It develops IIoT and edge computing solutions and enables significant cost reductions and efficiency increases for the wind industry.

This technology is primarily used in wind turbine rotor blades. In addition, fiber-optic sensors and solutions are also used in the fields of electromobility, process measurement technology and railway technology.

Anlage: Bild


retroX - Multibrand Retrofit Solution
20+
Digitalization – Know your turbine
Optimization – Higher yield
Preparation – Continued Operation
fos4Blade Hardware
X4edge Apps
Cloud Data Access