

MANUFACTURING

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ACCIONA TO PILOT MOVENTAS' HIGH TORQUE DENSITY GEARBOX

Acciona Windpower has agreed with Moventas on prototype as well as serial deliveries of a 3 MW wind gearbox product based on Moventas's new Exceed series of high torque density gearboxes. Deliveries of the new technology will take place in 2015, adding to the on-going 3 MW deliveries Moventas has been making to Acciona since 2009.

The recently entered agreement concerns two Exceed prototype deliveries as well as serial production of the new Exceed gearbox, both of them expected to take place in 2015.

In 2012, Acciona Windpower and

Moventas agreed to together develop a new version of Acciona's very successful 3 MW turbine, with the objective of reducing size and increasing torque density. Outcome of this is the Exceed gearbox series, a 3 MW and up product platform with the best ratio price/nominal torque in the market that's now available to the industry.

Exceed provides 20 percent more torque density with 10 percent less size with 100 percent proven Moventas technology.

Our engineers took measured gearbox values of the technology we've been using for a decade, recalculated

them with new design methods and took them to a new level. As a result, with Exceed, Acciona gets more torque out of a smaller and more lightweight gearbox, explains Global Accounts Manager Pedro Figueiras from Moventas.

Acciona and Moventas already have a long-standing partnership. Deliveries of the existing gearbox concept will also run alongside the serial deliveries of the new Exceed technology in 2015. Over time, Exceed will replace the existing gearbox deliveries. The deliveries are made from Moventas' highly modern wind gear factory in Finland.

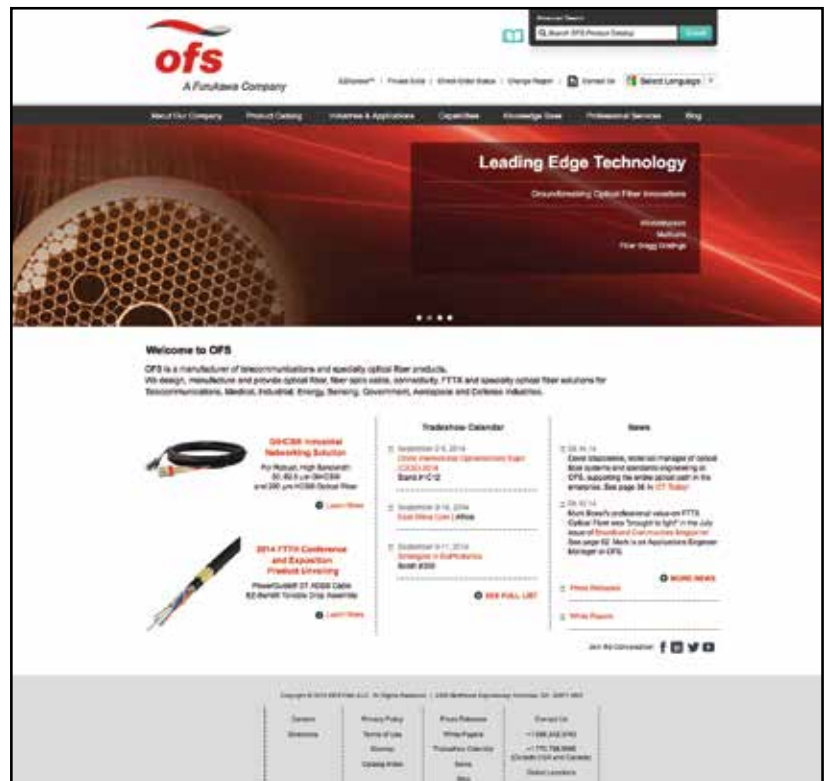
OFS ADDS NEW LOOK, INCREASED FUNCTIONALITY TO WEBSITE

OFS is recently announced the launch of its new website — www.ofsoptics.com — incorporating simpler navigation, a comprehensive product catalog and a fresh new look.

"We listened to our customers. We overhauled our website to enhance our customers' internet experience and to make it easier to do business with OFS," explained Michael Fortin, senior director of branding, content marketing, and communications for OFS.

The new website combines all the products, capabilities and published technical data offered by OFS. Customers will be able to navigate the site by product or by industry and application. The catalog is now fully searchable and will enable side-by-side comparisons of OFS products.

"We look forward to our customers' comments as we roll out this new website. Our ultimate goal is to make every interaction with OFS a high-quality one. This new website will help," Fortin concluded.



PRODUCT

ROEMHELD LAUNCHES MAINTENANCE-FREE ROTOR LOCKS



Roemheld has introduced new rotor locks that are designed to deliver increased availability and simplified maintenance to wind power plants. A new, special coating prevents the locking bolt from rusting when not in use for a long period and non-contact position monitoring avoids mechanical wear and extends the life of the component.

A permanently corrosion-free coating of the bushings prevents rusting between surface intervals and the need for regular greasing. As a result, the rotor lock is permanently ready for use, which also reduces the need for plant maintenance. The surface protection of all rotor lock components corresponds to DIN ISO 12944, C4, so that they can also be used in offshore operations.

Non-contact position monitoring has also been

introduced to offer longer life and high availability. A non-contact switch checks if the bolt is in stand-by position or if the rotor is locked. As there are no mechanical contacts to wear out, replacement is not necessary.

Roemheld manufactures hydraulically or electro-mechanically operated rotor locks to customer specifications and supplies to companies all over the world. The rotor lock resists side loads up to a maximum of 7,000 kN and can be used to lock the rotors of onshore and offshore wind power plants with up to 6.5 megawatts of power. The locking module, with its compact design, is adapted to the limited space in the nacelle. The use of standardized components makes it possible to produce complex special designs quickly and cost-effectively.