

WindEnergy Hamburg

Winergy in new line-up as system supplier

- **First drive manufacturer to combine the system expertise of gearboxes, generators, direct drive segments, couplings and digital solutions under one roof**
- **Presentation of the new HybridDrive at WindEnergy in Hamburg**
- **The expansion of the service portfolio includes multibrand after merger with Moventas**

The drive manufacturer Flender has expanded and newly positioned its Winergy brand as a system supplier. The new line-up will be presented to the public for the first time at WindEnergy Hamburg. Winergy is now the only brand in the wind drive market that combines more than 40 years of expertise for the entire drive train under one roof with gearboxes, generators, direct drive segments, couplings and digital solutions. By integrating the generators and direct drive segments for wind turbines, Winergy offers integrated drive systems for both gearbox and gearless wind turbines. Through the acquisition of the Finnish wind gearbox manufacturer and service provider Moventas, the wind brand is additionally expanding its service offering.

“Systems competence is our strength. Thanks to our experience and know-how from 250 gigawatts of gearbox capacity and more than 100 gigawatts of generator capacity delivered, we are able to supply our customers with integrated drive systems that are precisely tailored to the specific requirements of each wind turbine. This is not only increasing efficiency in supply chains at customers’ site, it is also boosting the efficiency of the turbines resulting in an increased energy output. Other drive manufacturers are not able to offer this system know-how over the entire life cycle, including service. This makes us the perfect partner for our customers,” says Martin Sasse, Vice President Sales Winergy.

New HybridDrive is the product milestone

At the leading international trade fair for the wind industry in Hamburg, Flender will reveal the advantages Winergy's systems competence will bring for wind turbine manufacturers, operators, and asset owners. The new HybridDrive is the product milestone of this development and will be on full display at the Winergy booth. The medium-speed drive concept, which combines a gearbox and generator in a single product, meets the requirements of the growing offshore industry. The HybridDrive benefits significantly from combining Winergy's engineering competence for gearboxes, generators and couplings in an integrated drive system.

"Our goal is to make energy generation from wind even more efficient. This is the only way the energy transition will succeed. The potential is particularly great in the offshore sector. To reduce the LCoE (Levelized Cost of Energy), we have to lower the investment and operating costs and at the same time make the turbines more efficient to ensure more energy output. All this can be achieved with the HybridDrive," says Martin Sasse, Vice President Sales Winergy.

Lower costs and increased energy output

Operating costs are of particular importance in the offshore segment. Thanks to the direct gearbox-generator connection, the HybridDrive reduces the maintenance effort while eliminating the helical stage and high-speed bearings in gearbox and generator. The absence of the helical stage also increases the efficiency of the gearbox. The permanent magnet excitation of the generator eliminates rotor losses. Both factors ensure that energy output of the wind turbine is significantly increased.

"Since the early days of wind industry in the 1980s, we have been working with our partners on new drive concepts for wind energy. Winergy products have always set the standard in drive technology with important innovations. The developments of the last two years have made us an even stronger partner for sustainable energy generation. The drive train is the heart of every wind turbine, and the heart of our newly established team beats for wind energy," says Ernst-Peter Weinmann, President Wind Generators.

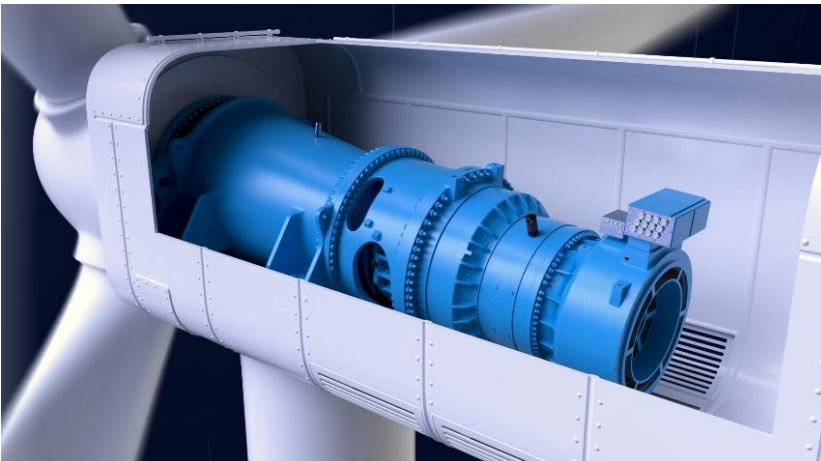
Expansion of the service portfolio

At WindEnergy in Hamburg, the focus will also be on the expanded Winergy service portfolio. As of today, Winergy already offers replacement gearboxes and generators, repairs, field service, original spare parts, digital services and training. This service competence is now further strengthened by the merger with Moventas

with an additional high installed base, a distinctive multi-brand know-how and a global production and service network.

Winergy products and solutions will be on display at WindEnergy Hamburg from September 27 to 30 at booth 130 in hall B5.

This press release and press pictures are available at www.flender.com/company/press.



Winergy is the only brand that combines the system expertise for the entire drive train consisting of gearbox, generator, couplings and digital solutions under one roof.





Gearbox (top) and generator (bottom) in the Winergy assembly halls.

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Flender headquartered in Bocholt, Germany, is a leading global supplier for mechanical and electrical drive systems and has the reputation for highest performance, innovation, quality, and reliability of drive components for more than 120 years. Flender offers a broad variety of gear units, couplings and generators and associated services, with a focus on key industries such as wind power, cement, mining, oil & gas, power generation, water and wastewater, marine, conveyor and crane technology. Flender products and services combine the latest technology with extremely high quality and have been reliably providing the optimal transmission of power for decades. Flender has around 8,700 employees globally. Further information is available on the Internet at www.flender.com.