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Press Release 4/2018

* **ROEMHELD: “Rotorlock” locking system now rated for transverse forces of up to 7,500 kN and wind turbines up to 7 MW**
* **Solid system for maintenance work on onshore and offshore stations**

*Hilchenbach, 27 of march 2018*. ROEMHELD has improved the performance of its modular locking system “Rotorlock” for the inspection and maintenance of wind power stations. With a transverse force absorption of up to 7,500 kN, the systems reliably and safely lock rotors with a maximum capacity of 7 MW. Customer-specific variants with higher values are also possible. Due to their design and special coating, they are maintenance-free and corrosion-free through the entire service life of onshore and offshore stations.

The core of Rotorlock is a double-action, hydraulically or electromechanically driven pin that quickly and reliably locks the rotor disc. Non-contact position monitoring transmits the end positions “rotor disc locked” and “rotor released” to the system control and hence provides for extra safety for the operator.

At present, great interest for the locking system developed by ROEMHELD is shown by the offshore industry. Adverse weather conditions, temperatures between -30°C and +70°C and air with a high salt content are easily managed by Rotorlock. All components meet the corrosion protection requirements for offshore stations with a surface coating pursuant to DIN ISO 12944.

**Special coating for long-term corrosion protection**

A special coating provides long-term protection for the sleeve where the locking pin rests during wind power station operation. ROEMHELD warrants continuous corrosion protection for a period of 25 years and hence the typical service life of a wind power station. Regreasing as for other models is not necessary, either. The element is therefore practically maintenance-free and ready to use at any time.

Since only restricted space is available in most gondolas, the locking system has a specially compact design. As stated by ROEMHELD, the standard modular systems allows for offering special designs on the short term and at reasonable cost.

**About ROEMHELD:**

Whether aircraft, automobiles, machine tools or smartphone casings: The ROEMHELD Group technologies and products have been used in the manufacture of a variety of industrial goods and products for end consumers for over 60 years.

Efficient clamping technology solutions for workpieces as well as for forming tools and plastics processing are the core of the continuously growing portfolio. It is supplemented by components and systems for installation and handling technology, drive system technology, as well as locking systems for the rotors of wind power stations.

Apart from a broad range of about 20,000 catalogue items, the ROEMHELD Group specialised in the development and manufacture of customised solutions and is recognised as a worldwide market and quality leader.

Innovation by tradition: ROEMHELD have their origin in the Friedrichshütte foundry established in 1707; it is still part of the ROEMHELD Group and one of the oldest active industrial enterprises in Germany.

The owner-managed group of companies has about 560 employees at the three locations Laubach, Hilchenbach and Rankweil/Austria, and is represented by service and distribution companies in over 50 countries. With customers primarily in the mechanical, automotive, aerospace and agricultural industry, the ROEMHELD Group generates sales of over EUR 100 million annually.

**Photograph:**



The Rotorlock locking system has been developed for application in wind power stations with a nominal capacity of up to 7 MW. It absorbs transverse forces of up to 7,500 kN (photograph: ROEMHELD).

**You can also download the jpg images in print quality and the press text as a Word document together with the photo captions here:**

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