SIEMENS

Press

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Large Drive Applications

Siemens and Schaeffler to cooperate on intelligent diagnostics for drive systems

- **Automated bearing diagnostics to enable informed maintenance decisions**
- **Integration of the bearing condition's analysis into overall motor health status**
- **Scalable through integration with IIoT platform Sidrive IQ**

Siemens and the automotive and industrial supplier Schaeffler cooperate on intelligent diagnostics for drive systems. Through this collaboration Siemens combines its IIoT platform Sidrive IQ with Schaeffler's decades of experience and expertise in designing, manufacturing, and servicing bearings. Sidrive IQ integrates a number of functionalities into one seamless solution and augments drive systems with AI-based analytics and digital content.

For the customer, this means the ability to make better decisions when it comes to operation, maintenance, and maintenance measures for drive systems. Electric motors drive our core industrial processes, and the rolling bearing is their central mechanical component. Bearings experience all the loads and stresses that occur in the electric motor. Therefore, bearing diagnostics provide a crucial indicator of the overall condition and reliability of a motor.

The integration of Schaeffler's analysis service for automated bearing diagnostics in Sidrive IQ makes it possible to determine the bearing condition with greater certainty and precision.

"This cooperation and automated exchange of algorithm-based diagnostic data is one of the first of its kind in the industrial IoT. It's a great example of a new dimension of cooperation among established technology companies," says Hermann Kleinod, CEO of Siemens Large Drives Applications.

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“This partnership between Schaeffler and Siemens is based on a solid foundation of product knowledge and specific expertise. Both companies are playing an instrumental role in driving forward digitalization in the industry with their entire focus on customer value,” adds Dr. Stefan Spindler, CEO Industrial at Schaeffler AG.

With the help of well-founded insights and specific information, operators can quickly determine whether the drive system can continue to operate or whether, in the event of impending damage, the bearing needs to be replaced at the next maintenance interval or if it should be replaced immediately. This reduces the effort and cost of maintenance and most importantly: Unplanned and costly downtime can be prevented.

This press release and a press picture is available at https://sie.ag/2R6rxV6
For further information on Sidrive IQ, please see www.siemens.com/sidrive-iq
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Siemens Large Drives Applications (LDA) engineers and produces heavy-duty electrical drive systems for the medium- and high-voltage ranges: electrical motors, converters, and generators. LDA is one of Siemens' Portfolio Companies. These units are agile, flexible, and decentralized and offer fast decision-making and reaction times. This allows them to be more competitive in their respective markets with a greater focus on their customers in different industries.

Schaeffler Group is a leading global supplier to the automotive and industrial sectors. The technology company manufactures high-precision components and systems for powertrain and chassis applications as well as rolling and plain bearing solutions for a large number of industrial applications. With more than 1,900 patent applications in 2020, Schaeffler is Germany's second most innovative company according to the DPMA (German Patent and Trademark Office).