

Press Release

Schaeffler at maintenance in Dortmund, Booth 4-C30

## **The future of maintenance: Schaeffler showcases combination of digital and personal service**

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- Schaeffler Virtual Fitter for simple and quick remote mounting service
- Additional safety and energy monitoring through analysis of electrical signals using solutions from ECO-Adapt
- Reduced lifecycle costs and resources through remanufacturing of bearings

From February 21 to 22, 2024, maintenance in Dortmund, Germany's leading trade show for industrial maintenance, will offer its audience an insight into the entire spectrum of industrial maintenance under the main motto "Predictive Maintenance: Next Generation". Schaeffler is showcasing its comprehensive range of products, services, and solutions in the fields of mounting, condition monitoring, and bearing remanufacturing with its Lifetime Solutions portfolio at Booth 4-C30. The focus is on services for customers who wish to ensure the functional capability and increase the operating life of their bearings and machines.

"Maintenance teams face a variety of challenges in ensuring the smooth operation of their machines", says Sebastian Mergler, Head of Product Marketing Schaeffler Lifetime Solutions, and adds: "Digitalization and Artificial Intelligence are important tools for modern maintenance, but our customers still want to have a 'real' partner at their side. At maintenance, we are therefore showing our wide-ranging service portfolio and focusing on a combination of digital solutions and personal consultation with, for example, our Virtual Fitter."

### **New remote assembly service for maintenance work**

Around ten to 20 percent of all bearing failures are caused by incorrect assembly and dismounting, so accurate maintenance work is essential. For this reason, Schaeffler added the Virtual Fitter to its Mounting Service portfolio at the end of 2023. With the aid of augmented reality glasses, Schaeffler's global experts can provide assistance in the mounting of rolling bearings in real time without the need to be on site. If necessary, customers can decide whether they want to use the remote mounting service instead of on-site services and immediately receive AR glasses on loan, which they can wear during the inspection of their machine.

A Schaeffler mounting technician receives a comprehensive picture of the machine's condition via a live stream and can give specific instructions and display

important information in the customer's field of view. The remote mounting service saves up to 50 percent of the costs compared to an on-site service and enables a faster knowledge transfer to the customer.

### **ECO-Adapt solutions supplement OPTIME range**

At its booth, Schaeffler is also presenting the ECO-Adapt product range, which allows customers to monitor their electric powertrain and its energy consumption. In addition to OPTIME condition monitoring, which enables predictive maintenance based on the signal analysis of vibration and temperature data, the product PredictAdapt provides condition-related information based on the analysis of electrical signals. In this way, Schaeffler has expanded its range of monitoring services to include electrical condition monitoring and minimized the risk of failure of electric components. PowerAdapt also provides information about energy consumption, not only on rotating electrical machinery.

### **Sustainable and cost-effective maintenance through remanufacturing**

The condition of rolling bearings has a significant influence on the entire production process. Condition monitoring solutions therefore play a central role. At the trade show booth, interested parties can learn all about the services provided by Schaeffler experts in the field of condition monitoring, from remote diagnosis to determining the cause of machine problems using various measurement methods directly on the machine and using endoscopes. Visitors to the booth can also find out about the numerous advantages of bearing reconditioning through remanufacturing services. The remanufacturing of existing bearings allows CO<sub>2</sub> emissions to be reduced by up to 95 percent compared to new bearings as well as savings in terms of material and energy and enables a high degree of flexibility to be achieved through short delivery times. Andreas Krieg, Product Manager Schaeffler Remanufacturing Services, will be discussing these and further advantages in a presentation on the remanufacturing of rolling bearings on Thursday, February 22 (SolutionCenter, Hall 4, 02:00 p.m. – 02:30 p.m.).

Further information on maintenance in various sectors and Schaeffler's maintenance services can be found in the new edition of "[Maintenance Insider](#)" magazine at the trade show.

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Schaeffler Group – We pioneer motion The Schaeffler Group has been driving forward groundbreaking inventions and developments in the field of motion technology for over 75 years. With innovative technologies, products, and services for electric mobility, CO<sub>2</sub>-efficient drives, chassis solutions, Industry 4.0, digitalization, and renewable energies, the company is a reliable partner for making motion more efficient, intelligent, and sustainable – over the entire life cycle. The Motion Technology Company manufactures high-precision components and systems for drive train and chassis applications as well

as rolling and plain bearing solutions for a large number of industrial applications. The Schaeffler Group generated sales of EUR 16.3 billion in 2023. With around 83,400 employees, Schaeffler is one of the world's largest family-owned companies and one of Germany's most innovative companies.

Auf der maintenance Dortmund können Interessierte den Virtual Fitter am Messestand ausprobieren. Bild: Schaeffler

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ECO-Adapt products complement the existing OPTIME range with innovative solutions for predictive maintenance of industrial machinery. Image: Schaeffler

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