

Media Release

Voith Group

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Voith introduces OnCare.Health IOLIS digital monitoring solution for variable speed couplings

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- Easy-to-install and use digital monitoring solution for industrial fan and pump drive trains
- Increased system availability through smart sensors and data-assisted optimization
- IoT-ready to enable predictive maintenance and cloud-based data transfer

CRAILSHEIM, GERMANY. Voith extends its range of OnCare.Health monitoring solutions to include an easy-to-use system for industrial fan and pump drive trains. It employs state-of-the-art sensor technology and connected components to increase the system's availability. Further, it allows for easy and reliable monitoring of operating data as well as use in advanced IoT applications such as predictive maintenance.

Voith's OnCare.Health family of monitoring systems has long been established as a sustainable way to increase the productivity of plants and equipment. The latest iteration was developed to boost efficiency in industry applications.

Data-driven optimization

Combining the company's long-standing mechanical expertise and its ever-increasing digital know-how, Voith's data-assisted systems are designed with specific customer and industry requirements in mind. OnCare.Health IOLIS (IO-Link Instrumentation System) offers operators of pumps and fan drive trains an easy and reliable way to facilitate equipment handling along the drive train while laying the foundation for additional functionalities afforded by the Industrial Internet of Things (IIoT).

Maintenance 4.0

It achieves this by means of a system of smart sensors. They allow for precise and quick data transfer, as the signal is output digitally with no need for conversion. A robust smart display is used for advanced data

visualization. Operators gather valuable insights into the machine status and maintenance requirements. By basing decisions on real-time data, they can proactively initiate maintenance operations and prevent errors and downtimes before they occur. This results in increased uptime and reduced repair and maintenance costs, thus lowering the drive train's total cost of ownership (TCO).

Quick and simple integration

Given its smart and simple design as well as its use of standard bus protocols, OnCare.Health IOLIS is easily integrated into existing bus-controlled drive trains. Since it only requires a single signal line, minimum wiring is needed from the master module to the control room and within.

Easy maintenance, maximum compatibility

OnCare.Health IOLIS includes self-teaching devices, making it an easy-to-handle, low-maintenance option. Its interfaces are standardized to ensure the highest compatibility and maintenance without the need for special training.

Additionally, with OnCare.Health IOLIS, operators benefit from Voith's global service network that ensures local support as well as quick delivery of spare parts if and when replacement is needed.

About the Voith Group

The Voith Group is a global technology company. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, the company today has more than 19,000 employees, sales of € 4.3 billion and locations in over 60 countries worldwide and is thus one of the larger family-owned companies in Europe.

The Group Division Voith Turbo is part of the Voith Group and a specialist for intelligent drive technology, systems as well as tailor-made services. With its innovative and smart products, Voith offers highest efficiency and reliability. Customers from highly diverse industries such as oil and gas, energy, mining and mechanical engineering, ship technology, rail and commercial vehicles rely on the advanced technologies and digital applications of Voith.

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Voith's IoT-ready OnCare.Health IOLIS is an easy-to-install and use digital monitoring solution for variable speed couplings.

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