EagleBurgmann®

RELY ON EXCELLENCE

Smart Condition Monitoring by EagleBurgmann

Remote Condition Monitoring Services for Your Mechanical Seals and Applications

myeagleburgmann.com
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Data Collection

Measurement points close to and inside the mechanical seal indicate the seal health, process trends and improvement potential.

Data Aggregation & Upload

The aggregated data is transmitted wirelessly from the gateway to the myEagleBurgmann cloud. The gateway allows several connections to provide data.

Data Storage

The myEagleBurgmann Cloud, developed in collaboration with trusted partners, facilitates secure and wireless transmission of measurement data.

Monitoring & Optimization

Here, the data is continuously monitored and analysed by EagleBurgmann experts, providing valuable insights and improvement potential. Together with various internal data such as test rig data, service history and calculations you get the complete data stack for your systems. This is the beginning of predictive maintenance.

Optimization

Sensors at the Seal

IoT Gateway

Ethernet (via OPC UA)

myEagleBurgmann Cloud

Your DCS

EB Smart Product (Data Visualization App)

Smart Condition Monitoring by EagleBurgmann offers Significant Benefits:

Stay Focused

View live and historical performance data for critical machines and seals in one place.

Better Planning

Get smart alerts to prevent potential issues and save time and costs when planning maintenance.

Secure and Low Risk

Secure, encrypted, and low-risk system setup to minimise disruption to operations.

Reliability Partnership

Benefit from our technical and data expertise to boost performance and reliability together.

The Key Components

Our Experts are Your Partner

Rely on decades of sealing expertise and new digital solutions. We analyse your sensor data and provide recommendations to help improve the performance of your system. As your smart condition monitoring partner, we want to extend service intervals. The beginning of predictive maintenance.

EB Smart Seal

- 6-in-1-measuring points
- Measurement directly in the Seal
- Secured Wireless Data Transmission

EB Smart Seal Sensor

- 3-in-1-measuring points
- Retrofit in the supply chain
- Secured Wireless Data Transmission
- Award-Winning Solution:

PRO·CESS

IoT Gateway

- No IT integration necessary
- Usable for multiple Sensors

#SmartConditionMonitoring

Prevention of Major Damage and Costly Production Downtime

Case Study

The value of using the Smart Condition Monitoring System by EagleBurgmann is demonstrated by the case of long-time EagleBurgmann customer, Leuna Carboxylation Plant GmbH (LCP). EB Smart Seal Sensors were installed on a paddle dryer in 2022. „Our goal was to protect the high-quality component of this process-critical system and to guarantee safe operation for as long as possible," explains Robert Tulaszewski, Operations Engineer at LCP.
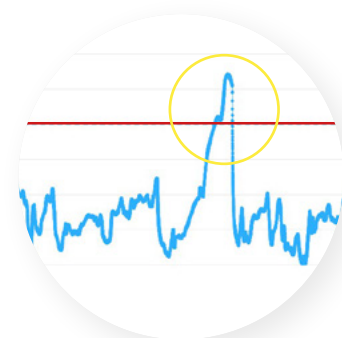
Challenge

The temperature in the dryer's supply system suddenly rose to unusually high levels, which leads to seal damage or even seal failures with production downtime.

Solution

If a parameter exceeds a predefined limit, an alarm is triggered, and the customer is notified. Smart Condition Monitoring detected the temperature rise early. An alarm was triggered and LCP and EagleBurgmann experts were notified of the sudden temperature rise in the system. LCP found the problem in the cooling system, fixed the issue and major damage was prevented.

LOCATION
Leuna, Germany

INDUSTRY
Chemical Industry

Detailed Analysis and Alarm Output

Contact:
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EagleBurgmann – Leading Innovation in Sustainable Sealing Solutions

We are your leading international specialist in industrial sealing technology. We combine innovative technologies, digital solutions and our passion and enthusiasm to create sophisticated and reliable sealing systems. Our products help make entire industries safer and more sustainable. 6,000 employees create added value for our customers around the world with their enthusiasm and competence. EagleBurgmann is a joint venture between the German Freudenberg Group and the Japanese Eagle Industry Group.

Rely on excellence.

More than 100 service centers worldwide

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