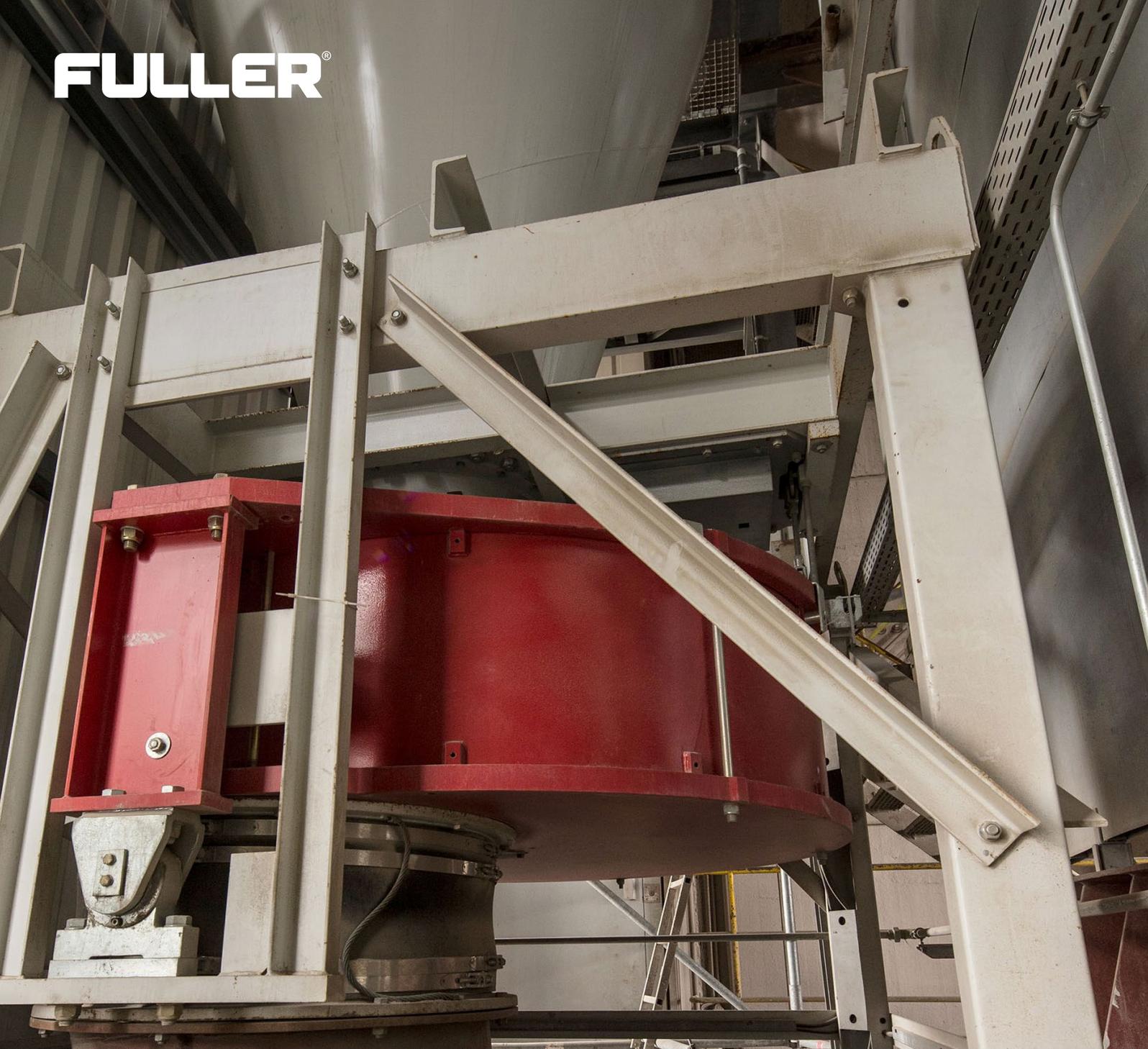


FULLER[®]



ONLINE RELIABILITY SERVICES

FOR PFISTER™ ROTOR WEIGHFEEDERS

MONITORING AND EXPERTISE TO IMPROVE ROTOR WEIGHFEEDER PERFORMANCE AND AVOID UNPLANNED DOWNTIME

Offering accurate, consistent fuel dosing, PFISTER rotor weighfeeders are critical to ensuring optimum combustion and process efficiency. These robust and reliable machines are designed for long life and low maintenance. However, if an issue does arise, it's essential to identify and address it promptly. That's the job of our online reliability services (ORS).

Our Online Reliability Service for rotor weighfeeders enables early identification of potential issues before they escalate. Multiple sensors installed on your weighfeeder transmit real-time data to our Global Remote Service Centre, where specialists continuously monitor the equipment for process abnormalities, component failures, and other operational deviations. By applying early-warning analysis techniques, including Rule Based methods, Condition Based monitoring, Artificial Intelligence and Machine Learning (AI/ML), and custom-created models, we identify when equipment failures may occur and recommend the appropriate corrective actions to optimize your weighfeeder's performance.

KEY BENEFITS

01

Increase uptime and output.

02

Lower labor costs by transforming unplanned shutdowns into planned ones.

03

Extend equipment lifespan with improved preventive maintenance.

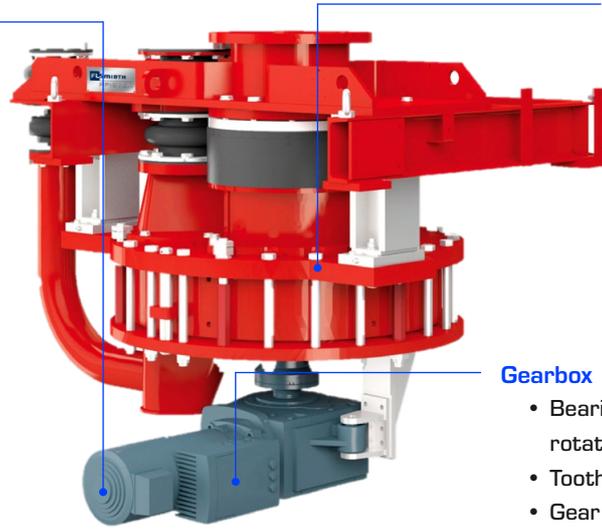
04

Reduce premium costs and services by having the right spares on site at the right time.

PFISTER ROTOR WEIGHFEEDERS

Motor

- Rotor failure: broken/cracked rotor bar, rotor imbalance, loose rotor, rotor bow
- Bearing failure: subcomponent, rotational looseness, lubrication problems, cocked bearing, structural looseness
- Stator failure: voltage imbalance, eccentricity, soft foot, phase loss, insulation and windings problems
- Misalignment
- High/low bearing temperature



Impeller

- Imbalance and wear
- Broken/missing vane
- Bearing failure
- Wear

Gearbox

- Bearing failure: subcomponent, rotational looseness
- Tooth wear (cracked or broken)
- Gear or motor misalignment
- Eccentricity and backlash
- Bearings: high tank/supply oil temperature, lack of cooling

Performance

- Short time accuracy
- Long time accuracy
- Speed distribution

The OEM expert advantage

Many providers offer to monitor your equipment, but do they truly understand your rotor weighfeeder? We have decades of experience installing, troubleshooting, maintaining, and optimising rotor weighfeeder. We have integrated that OEM experience and insight into our ORS. So, while others tell you what to worry about, we tell you how to solve recurring problems and enhance reliability. This includes extensive root cause analysis to prevent minor issues from escalating into major problems.

After all, your success is our success. Our OEM expert advisors support and coach your maintenance personnel to achieve excellence, delivering optimised maintenance planning and effective maintenance procedures.

A comprehensive monitoring package

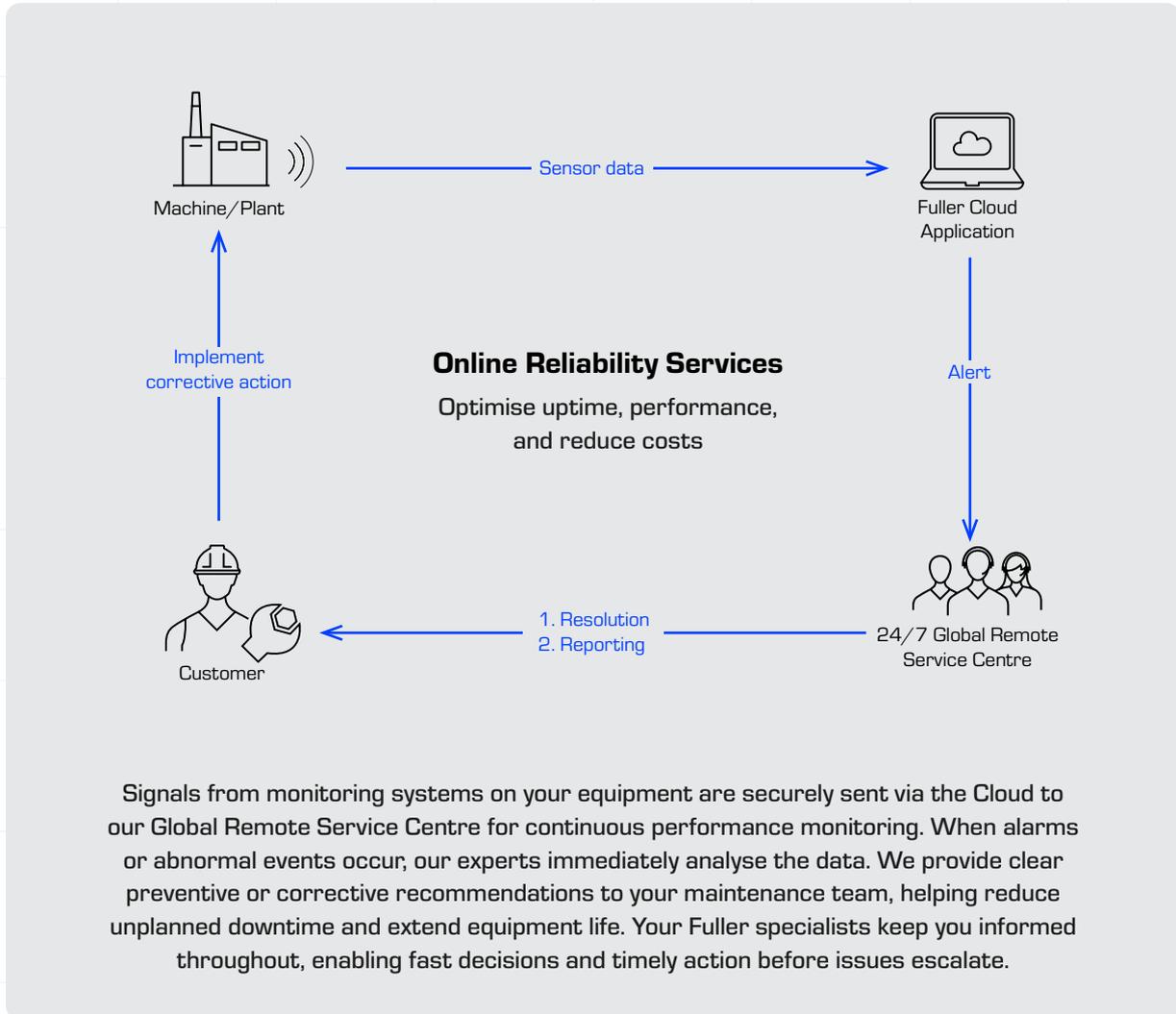
Our ORS use existing control system signals to identify common issues and overall system

performance. Additional monitoring systems, such as vibration, optics, image processing, electromagnetic, ultrasonic, and oil analysis, detect a broader range of abnormal conditions and component failures, delivering continuous insight into your rotor weighfeeder's status.

Implementing ORS

A Fuller project manager will oversee the delivery of any hardware required to provide the service. Your maintenance team will usually be able to install the sensors themselves; however, we can offer installation as an optional extra. After the Health and Usage Monitoring System (HUMS) is installed, we will come to you and commission the systems. Once commissioning is complete, the project manager will hand over to a dedicated service account manager, whose job is to support your maintenance department as their go-to contact whenever assistance is needed. The service account manager will initiate and drive the service to deliver on your KPIs, ensuring that you receive optimal value.

HOW DOES ORS WORK?



Signals from monitoring systems on your equipment are securely sent via the Cloud to our Global Remote Service Centre for continuous performance monitoring. When alarms or abnormal events occur, our experts immediately analyse the data. We provide clear preventive or corrective recommendations to your maintenance team, helping reduce unplanned downtime and extend equipment life. Your Fuller specialists keep you informed throughout, enabling fast decisions and timely action before issues escalate.