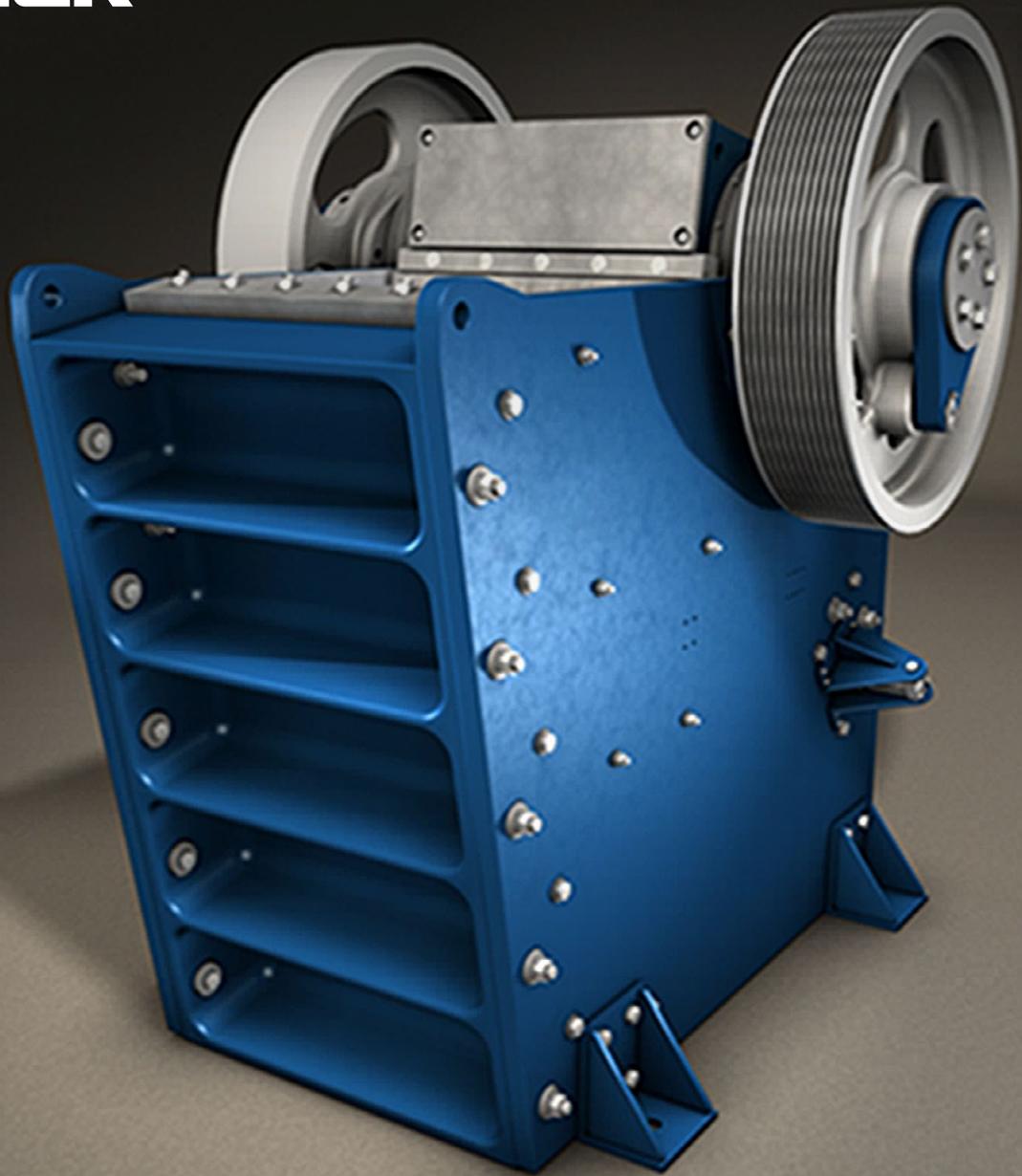


**FULLER<sup>®</sup>**



# **ONLINE RELIABILITY SERVICES**

**FOR JAW CRUSHERS**

# MONITORING AND EXPERTISE TO IMPROVE JAW CRUSHER PERFORMANCE AND **AVOID UNPLANNED DOWNTIME**

Many things demand focus during cement production. Your jaw crusher shouldn't be one of them. Despite harsh operating conditions, crushing variable raw materials to a constant output size for onward processing, your crusher should run reliably and consistently—a dependable workhorse. Failure to do so means product delays, increased costs, and quality issues, taking attention away from other critical equipment and processes.

Our Online Reliability Service for jaw crushers enables early identification of potential issues before they escalate.

Multiple sensors installed on your crusher 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 crusher's performance.

## KEY BENEFITS

**01**

Increase uptime  
and output.

**02**

Gain fuel and  
power savings.

**03**

Lower labor costs by  
transforming unplanned shutdowns  
into planned ones.

**04**

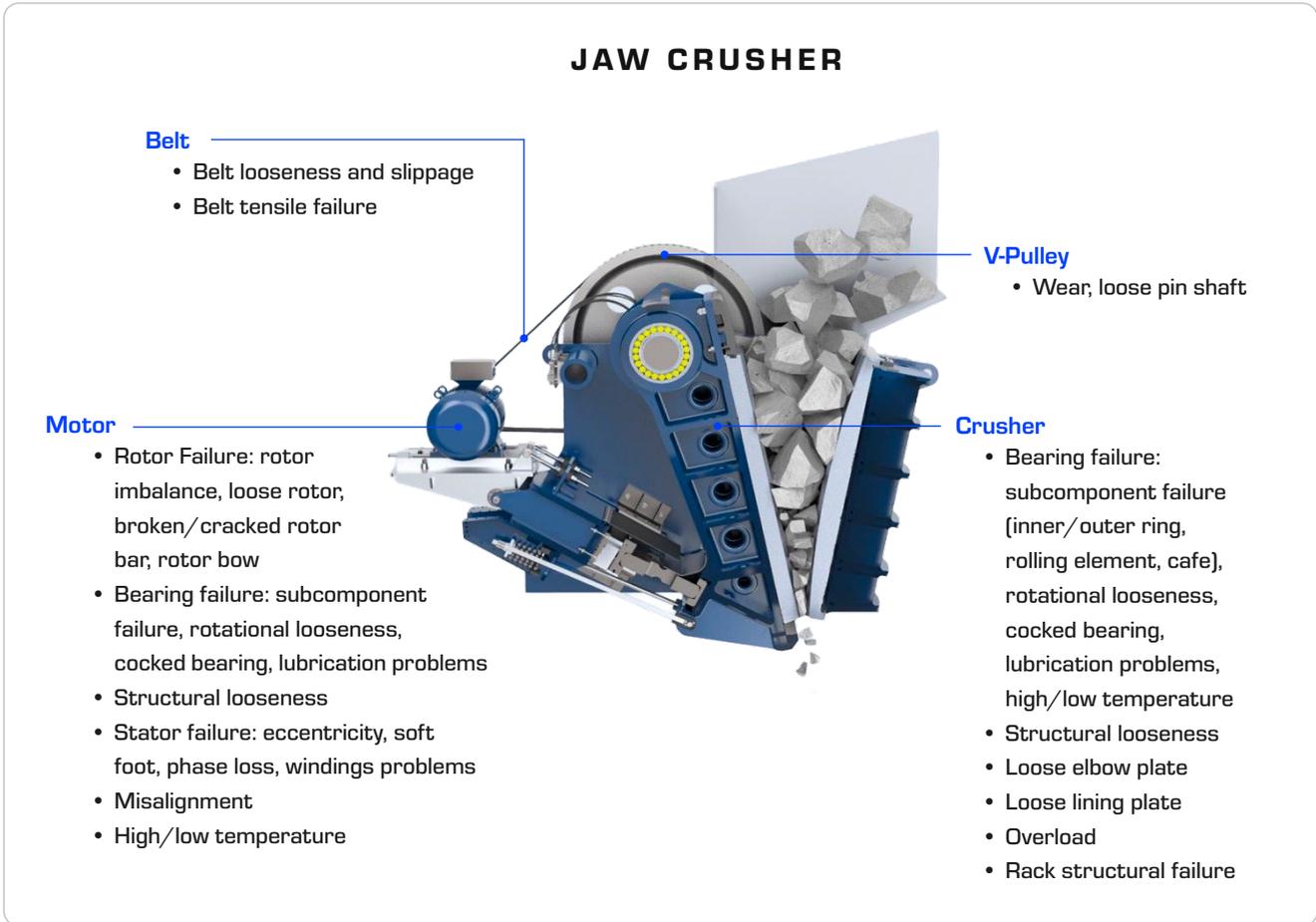
Extend equipment lifespan with  
improved preventive maintenance.

**05**

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

**06**

Return of investment:  
3 months



### The OEM expert advantage

Many providers offer to monitor your equipment, but do they truly understand your jaw crusher? We have decades of experience installing, troubleshooting, maintaining, and optimising our jaw crushers. 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

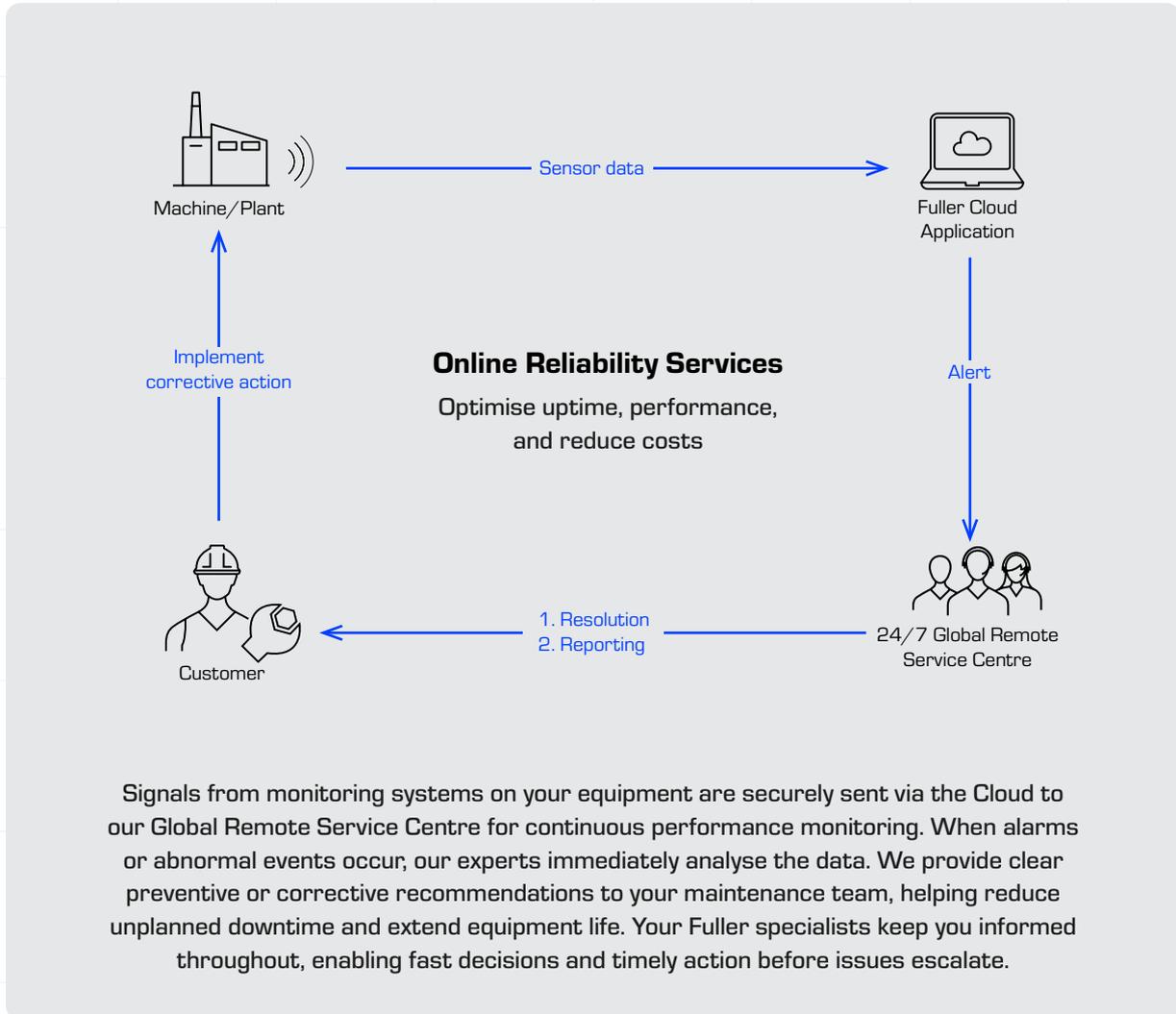
Our ORS use existing control system signals to identify common issues, such as overloading, uneven or underfilling, critical component damage and wear, bearing and drive failure, and overheating

gears and bearings. On top of this, we provide additional monitoring systems, such as vibration, electromagnetic, ultrasonic, and oil analysis, to detect a broader range of abnormal conditions and component failures, delivering continuous insight into your jaw crusher'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.