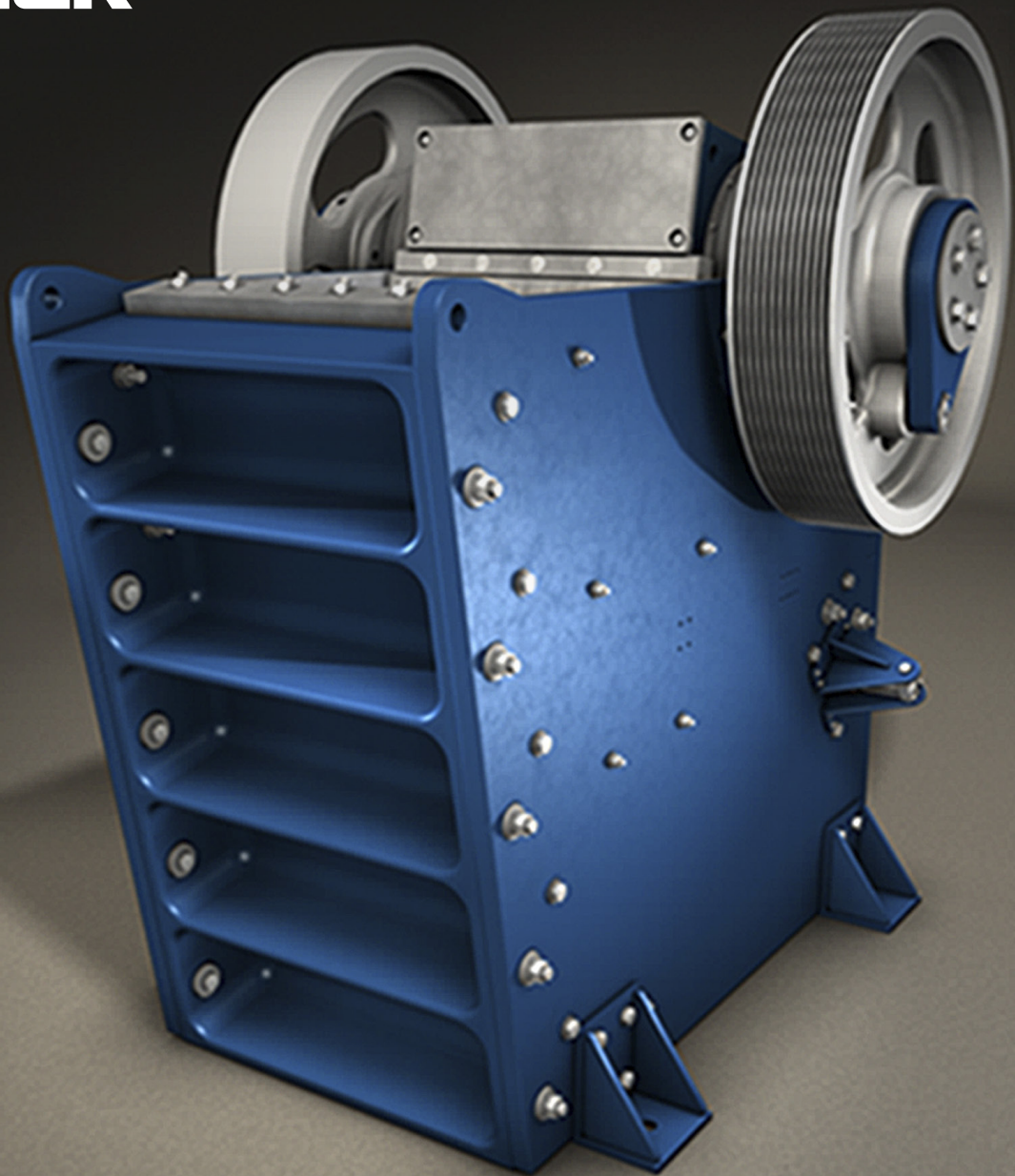


**FULLER®**



# ONLINE CONDITION MONITORING 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.

This makes it essential to address any issues with your jaw crusher promptly. Our online condition monitoring services (OCMS) for jaw crushers help you do just that, highlighting issues before they become a problem. Multiple sensors installed on your jaw crusher send information to our Global Remote Service Centre. We continuously monitor the equipment for process abnormalities, part failures, and other issues, with specialists always on hand to recommend corrective action and help optimise your jaw 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.

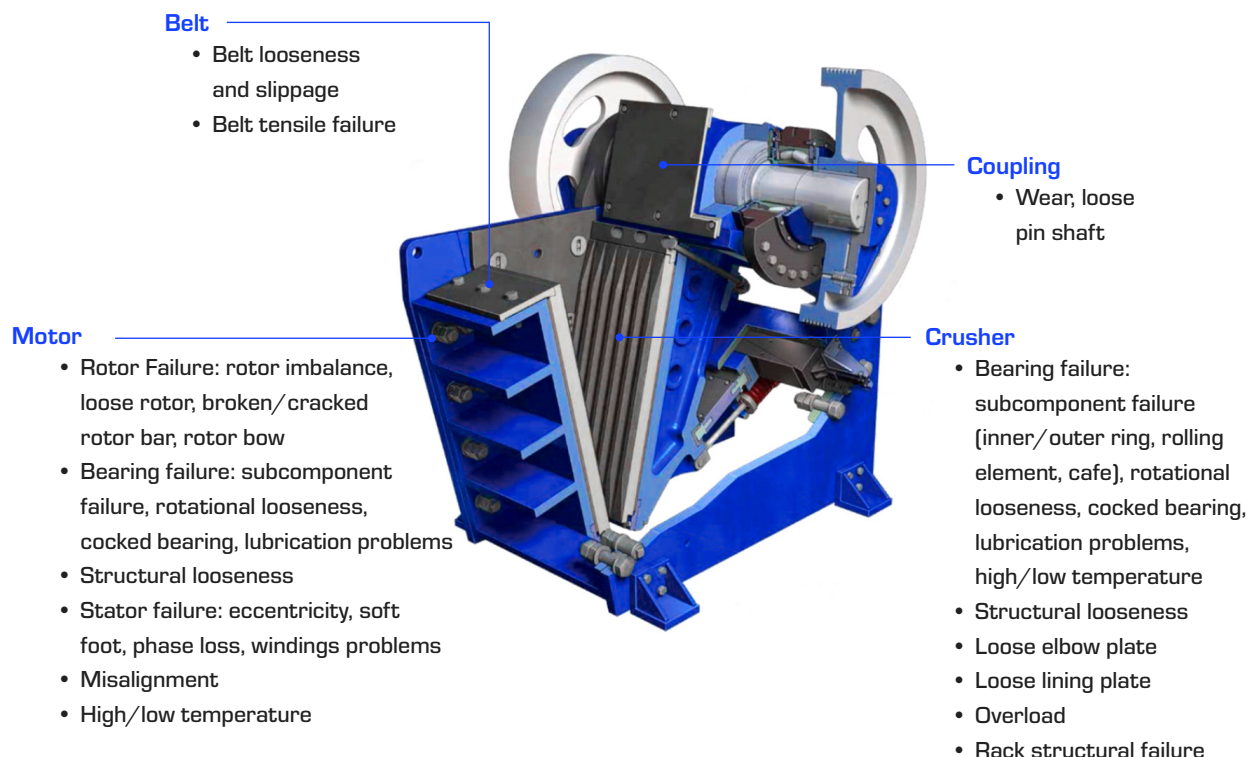
**05**

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

**06**

Return of investment:  
3 months

## JAW CRUSHER



### 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 OCMS. 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

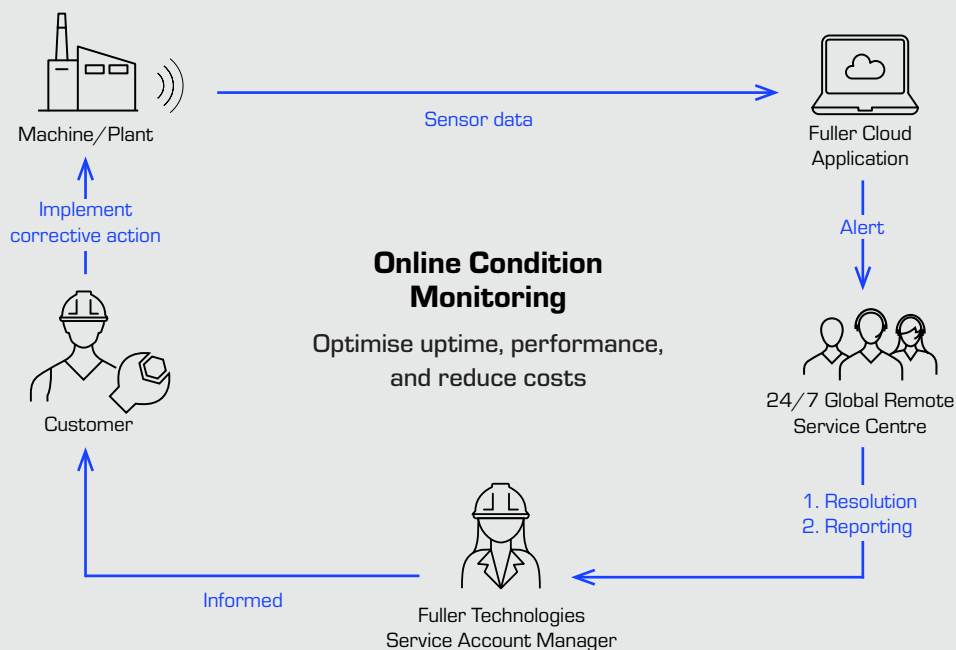
Our OCMS use existing control system signals to identify common issues, such as overloading, uneven or underfilling, critical component damage and wear, bearing and drive failure, and overheating

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 OCMS

A Fuller Technologies project manager will oversee the delivery of any additional hardware required for OCMS to your site. 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) are installed, we will come to and perform commissioning of the HUMS. Then the project manager hands over to a dedicated service account manager, whose job is to be your maintenance department's best friend: the person they go to when they need help. They will initiate and drive your OCMS to deliver your KPIs, ensuring you receive optimal value.

# HOW DOES OCMS WORK?



Signals from monitoring systems installed on your equipment are sent securely via the Cloud to our Global Remote Service Centre. Here, your equipment is monitored continuously, and our expert advisors are notified of any alarms/events. These experts will further analyse the data and relay our recommended preventive or corrective actions to your maintenance team. Your customer success manager will always keep you informed, ensuring a timely response to any abnormalities to avoid escalating problems.