

FULLER[®]



ONLINE RELIABILITY SERVICES

FOR KILNLOQ[®] KILN INLET/CALCINER
OUTLET GAS ANALYSERS

MONITORING AND EXPERTISE TO IMPROVE KILNLOQ GAS ANALYSER PERFORMANCE AND AVOID UNPLANNED DOWNTIME

High temperatures, high dust loads, and high sulphur concentrations—KilnLoq gas analysers must survive harsh operating conditions while delivering reliable gas monitoring. But what monitors the monitor? That's the job of our online reliability services (ORS).

Our Online Reliability Service for KilnLoq gas analysers enables early identification of potential issues before they escalate. Multiple sensors installed on your gas analyser 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 gas analyser's performance.

KEY BENEFITS

01

Increase uptime
and output.

02

Lower labor costs by
transforming unplanned shutdowns
into planned ones.

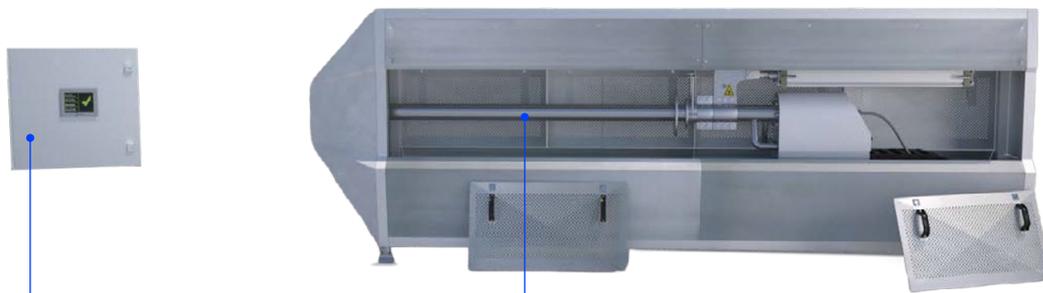
03

Extend equipment lifespan with
improved preventive maintenance.

04

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

KILNLOQ GAS ANALYSER



Gas Monitoring Unit (GMU)

- High/low sample hose temperature
- Gas detector alarm
- Sample gas flow alarm (low)
- Gas analyser alarm
- No/low water flow
- High water temperature

Extraction device (EXD)

- Air supply: high/low air pressure
- Incorrect probe position
- Low suction pressure
- Shutter not opening
- High EXD temperature
- High/low filter temperature
- High/low sample pipe temperature

The OEM expert advantage

Many providers offer to monitor your equipment, but do they truly understand your analyser? We have decades of experience installing, troubleshooting, maintaining, and optimising analyser. 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 detect a range of abnormal conditions and component failures, delivering continuous insight

into your analyser's status. Your ORS journey is supported by 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 ORS to deliver your KPIs, ensuring you receive optimal value.

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?

