Condition Monitoring
Plant monitoring for the waste and recycling industry

Condition Monitoring:
Data transparency increases availability.

Data analysis and trend forecasting
Diagrams present measurement data and the status of all devices in your plant in a clear and understandable way within the dashboard.

High plant availability
Early fault detection reduces unplanned downtimes and ensures your analyzers run smoothly.

Quick response
Automatic alerts in e-mails or text messages enable timely action when anomalies or deviations are detected. Solutions and recommended actions are displayed directly.

Predictive maintenance
Verification and evaluation of historical data make it possible to schedule maintenance work and optimize the lifetime of spare and wear parts. This saves time and money.

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Know today what will happen tomorrow

Gas analysis systems in the waste and recycling industry are crucial tools, for example for optimizing the combustion process, reducing residues, and cutting emissions. Downtimes can often result in high costs. These can be avoided by monitoring condition data in real time. Condi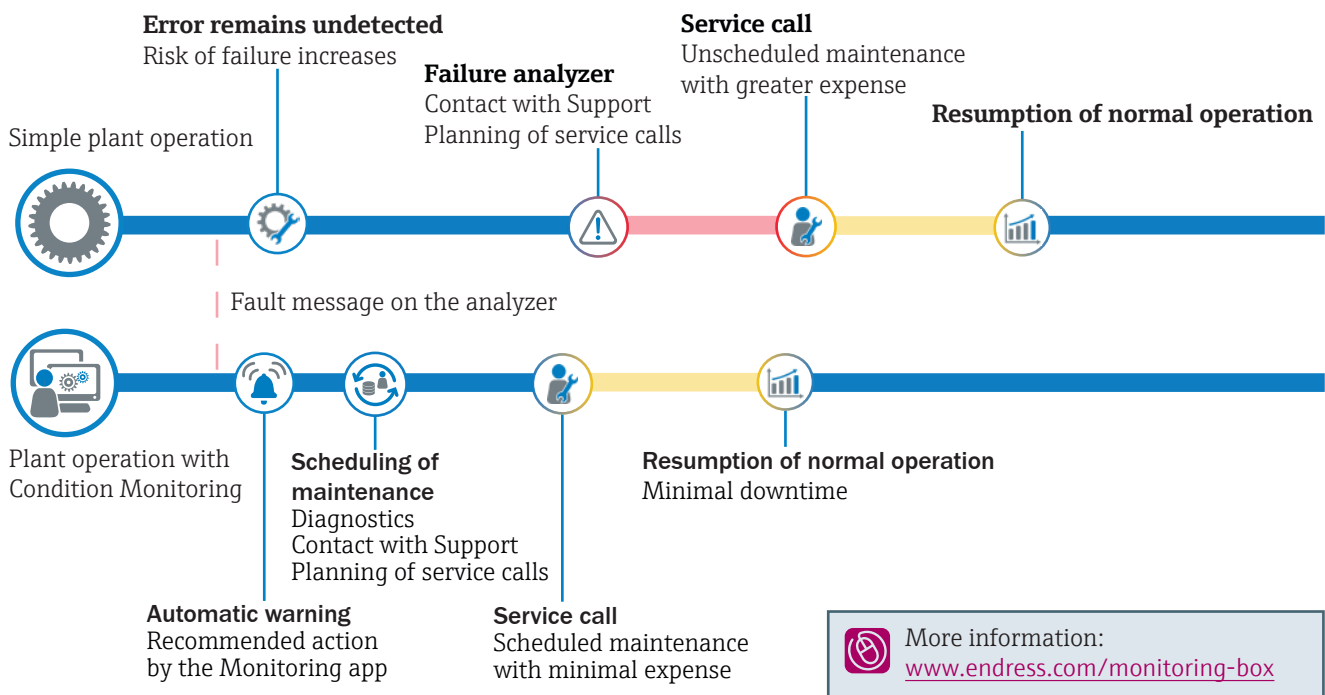tion Monitoring gives you the ability to evaluate and visualize the condition data of sensors and systems on a regular basis. Any irregularities are thereby detected early. This makes it possible to respond in a preventive and location-independent way. Benefit from early detection and recommended actions and increase the efficiency of your plant.

Smart Service + Monitoring app + Internet connection = Condition Monitoring

The sensors are connected to a Smart Service Gateway via standard interfaces. The data is collected and pre-processed in the gateway.

▶ The Smart Service Gateway is the connection to the Cloud. It encrypts the data and then uploads it.

▶ The data is loaded from the cloud into a browser-based application. The app handles analysis and visualization of this data for the user.

Error remains undetected
Risk of failure increases

Service call
Unscheduled maintenance with greater expense

Simple plant operation

Failure analyzer
Contact with Support
Planning of service calls

Resumption of normal operation

Fault message on the analyzer

Plant operation with Condition Monitoring

Scheduling of maintenance
Diagnostics
Contact with Support
Planning of service calls

Resumption of normal operation
Minimal downtime

Automatic warning
Recommended action by the Monitoring app

Service call
Scheduled maintenance with minimal expense

More information:
www.endress.com/monitoring-box

www.addresses.endress.com

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