



# SICK CONDITION MONITORING

## PLANT MONITORING FOR THE WASTE AND RECYCLING INDUSTRY

Data transparency increases availability

**SICK**  
Sensor Intelligence.

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. Condition Monitoring from SICK 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.

### GET MORE FROM YOUR PLANT



#### 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 machine and 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.

### STEP BY STEP TO A DIGITAL OVERVIEW

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 SICK Cloud. It encrypts the data and then uploads it.

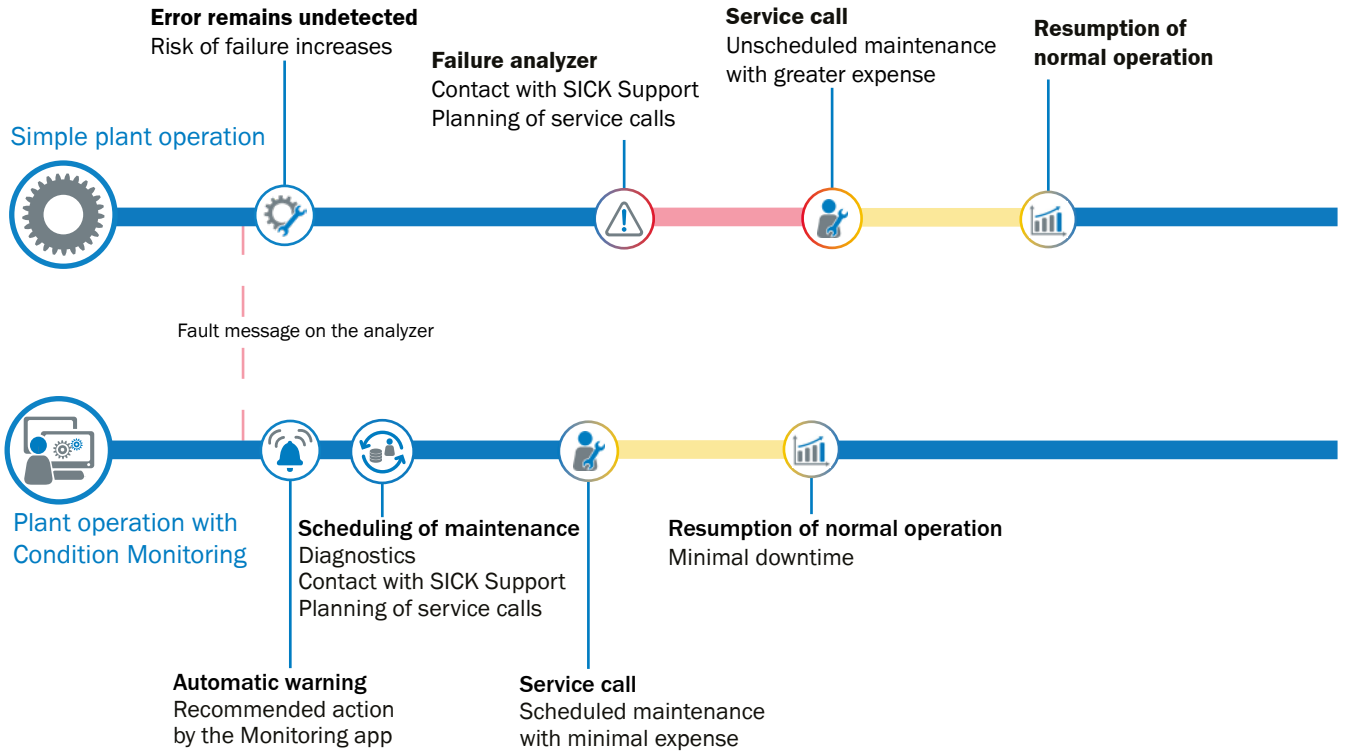


The data is loaded from the cloud into a browser-based application (app). The app handles analysis and visualization of this data for the user.

# CONDITION MONITORING MAINTAIN AN OVERVIEW

## KNOW TODAY WHAT WILL HAPPEN TOMORROW

To help users to schedule maintenance in a more targeted manner and respond efficiently to potential failures, Condition Monitoring provides information at an early stage and reveals critical changes in condition quickly and with foresight. This means that service technicians are on site early on and with the right spare parts, thus reducing downtimes to a minimum.



## LEAVE THE MONITORING TO THE EXPERTS – MONITORING SERVICES FROM SICK

With monitoring services, service experts from SICK take care of your devices.



### Your benefits:

- High availability through early detection of unplanned downtimes
- Notification in case of irregularities, including initial diagnostics and recommendations for action
- Regular reports on the condition of your devices
- Quick event and device analysis by SICK experts

