

# Predictive maintenance

Prediction of machine downtimes thanks to intelligent analysis

**SMART SERVICES**

**SICK**  
Sensor Intelligence.

### Product description

Predictive maintenance from SICK makes it possible to detect and prevent machine and plant failures early on and in a proactive manner. This is done on the basis of current and already-evaluated data from which future advancement in sensor, machine and plant states can be predicted using intelligent algorithms and logic. Predictive maintenance therefore ensures regulated operational processes. Intervening in ongoing machine or plant processes is only necessary in the event of faults. Fixed maintenance schedules are therefore a thing of the past and only damaged and faulty device components need replacing. This saves money and improves operational processes.

### At a glance

- Specific prediction of the probability of occurrence of defined events
- Algorithms which make predictions based the comparison of current and historical data
- Notifications of future machine and plant events on various end devices
- Integration of sensor, machine and peripheral data

### Your benefits

- Unplanned machine failures and therefore downtimes are prevented
- Enables very good planning of maintenance schedules and service work
- Increases productivity and machine performance due to improved machine knowledge thanks to extended data analysis
- Considerably reduces failure and service costs since operating staff can intervene in machine and plant processes early on and in a targeted manner
- Reduces costs in spare parts inventory and management since the probability of device component failure is predicted in advance

### Ordering information

Additional services → [www.sick.com/Predictive\\_maintenance](http://www.sick.com/Predictive_maintenance)

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)