Identify potential –
with OEE Analytics

Data-based equipment analysis

How can you identify and maximize the potential of your equipment? One of the essential factors for increasing productivity is the optimization of overall equipment effectiveness (OEE). This is made possible by the cloud- or edge-based solution OEE Analytics, which allows you to record and analyze your equipment data and acquire production-specific knowledge. In addition, you can view the current status of standard OEE KPIs and add your specific KPIs at any time.

High transparency for greater OEE

In many sectors – for example, the automotive, food and beverage industries – a company's output depends in large part on the availability and performance of its machines and equipment. With OEE Analytics we support you to detect inefficient production areas and imminent equipment failures early on. You can systematically increase productivity thanks to greater transparency and efficient maintenance activities.

siemens.com/oee-analytics
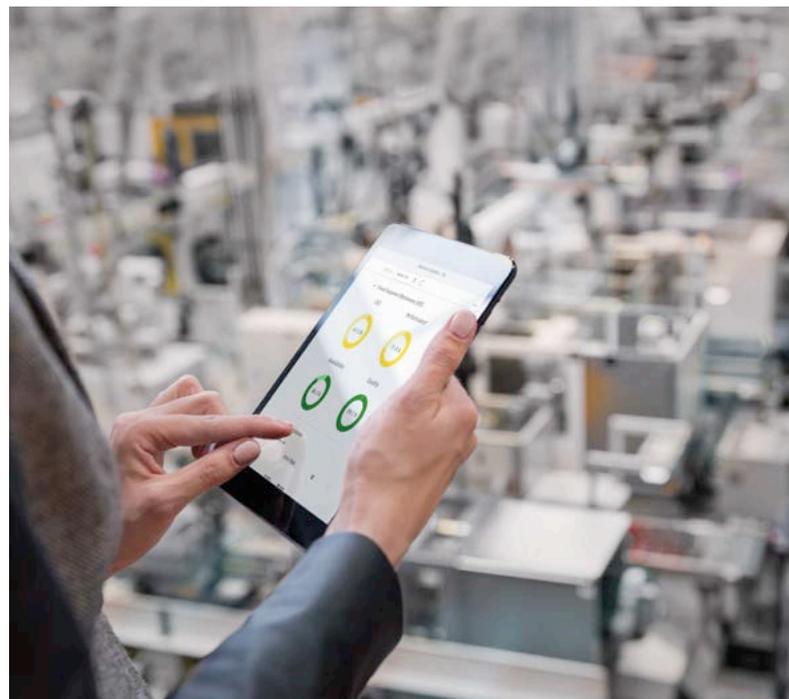
Your benefits

Acquire new knowledge about the quality, availability, and performance of your production lines and machines
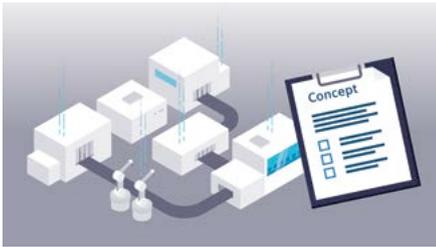
Identify additional potential and improve overall equipment effectiveness

Plan your production scheduling and machine optimization based on specific KPIs

OEE Analytics – three steps to identify potential

Connectivity

In the Connectivity phase we support you in identifying the relevant KPIs and machine data. We collect and connect the data to MindSphere or Industrial Edge and design it according to the specific structure of your equipment and plant.

Once the necessary hardware and software have been installed in your system by our product and service experts, the data is quickly and securely transferred to your preferred platform.

Transparency

The analysis begins with data processing to match the data to your company's KPIs including OEE. The specific machine data is then assigned to applications and visualized on suitable dashboards, including performance, availability, and quality of a machine or line over a specified time period. That gives you the additional possibilities to monitor and compare machines, lines and plants on shop floor level.

Monitoring your assets and sending notifications right to your staff's pocket ensure the reduction of reaction times and downtimes.

Analytics

Our domain experts support you in analyzing the data using different approaches, defining measures that for example maximize the output of your equipment, identify bottlenecks and give you recommendations to improve production output and your Overall Equipment Effectiveness.