Maximize output – with OEE Analytics

Data-based equipment analysis

How can you maximize the value 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-based solution OEE Analytics, which allows you to record and analyze your equipment data and acquire company-specific knowledge. Using the OEE Monitor MindApp, you can view the current status of your OEE KPIs at any time.

High transparency for greater OEE

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

Your benefits

More transparent
Acquire new knowledge about the quality, availability, and performance of your production lines and machines

New potential
Identify additional potential and improve overall equipment effectiveness

Greater production reliability
Plan your production scheduling and machine optimization based on specific KPIs

siemens.com/oee-analytics

OEE Analytics –
three steps to higher output
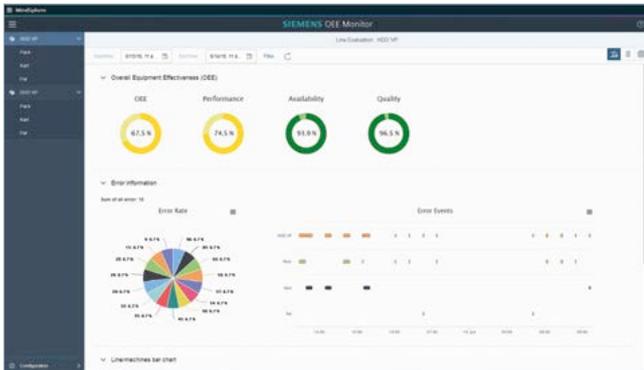
OEE Monitor's straightforward dashboard shows the OEE KPIs of production lines and machines.
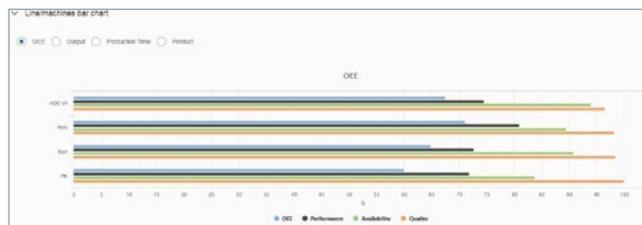
The MindApp functionalities deliver a completely customized analysis of the overall effectiveness of your equipment.

Data-based recommendations for action simplify your decisions about actions to increase the output of your production lines and machines.

1. Concept definition and MindSphere Connectivity

Data acquisition and a connection to the cloud are designed according to the specific structure of your equipment and plant. Once the necessary hardware and software have been installed in your system, the data is quickly and securely transferred to MindSphere, the cloud-based, open IoT operating system.

2. OEE Visualization from production line to machine level

The analysis begins with data processing to match the data to your company's KPIs. The machine data is then assigned to the OEE Monitor MindApp so that you can view all relevant data on the OEE Dashboard, including the performance, availability, and quality of a machine or line over a specified time period.

3. Expert Analytics for OEE diagnostics

OEE trend analysis and comparisons with similar equipment over time yield clear recommendations for increasing OEE value at the machine or line level. You perform the recommended actions by implementing modernization and retrofit measures, by ordering the necessary spare parts and, optionally, by outsourcing maintenance work – for example, to Siemens.