



Opera MES

# FIELD system



CONNECT



MONITOR



THINK



DRIVE

## OPERA SMART OEE

### DESCRIPTION

OPERA SMART OEE is an **industrial web-based app for the device monitoring** (CNCs, robots or other production equipment), developed for FIELD system platform.

The application is **bidirectionally connected to FIELD system**, in order to automatically gather in real time all the devices variables and to send part-programs and instructions to be dispatched from the MES to the machines. OPERA SMART OEE uses **cutting-edge technology to get visibility into your production**. It enables to **visualise in one single web-based dashboard** real time data about the **productivity & the efficiency (OEE)** of your machines and their **process variables**. In case of variables out of control that could have a negative impact on the machine health status and/or on the quality of the output, an **alarm message** will be displayed in real time on the machine dashboard and/or sent to **mobile messaging apps** installed on to the mobile device of the right user.

OPERA SMART OEE is perfectly integrated into the complete **OPERA MES Platform**, international MES to implement the **'Digital & Smart Factory 4.0'**, across any company size, connecting any device and managing any operation (Production, Material, Quality, Maintenance). OPERA MES is a product by Open Data Srl.

### KEY BENEFITS

- Increase productivity and improve efficiency
- Gain real time shop floor visibility
- Engage production operators to meet and exceed their goals with real time visibility of machine efficiency and jobs running on it
- Detect in real time device performance or process issues, to prevent unplanned downtimes/failures and increase asset utilization
- Take actions with real time alarms & notifications
- Support decision making process
- Understand the reasons of your OEE Values. Detect the problem solve it and increase the OEE

### KEY FEATURES

- **Bidirectional communication with FIELD system**  
Gather machine data in real time and send part-programs and instructions
- **Real Time Machine Monitoring**  
Visualise in real time the part-program and the tasks running on the machine
- **Machine Efficiency/OEE**  
Calculate & Visualise Machine OEE in real time
- **Real Time Process Monitorin**
- **Real time SPC Charts**  
Visualize process variables in real time SPC Charts (vibrations, temperatures, pressures etc.)
- **Visualisation & Management of Alarms & Notifications**  
Visualise alarm messages on the machine dashboard & send them to third party mobile messaging apps (e.g. Telegram)
- **Native integration into OPERA MES Platform**  
Implement Industry 4.0 Projects

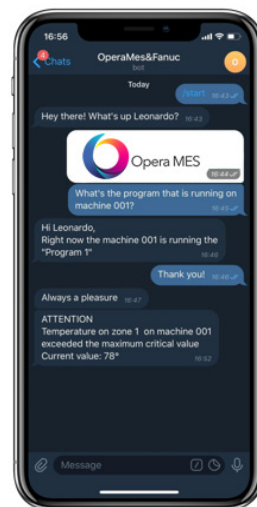
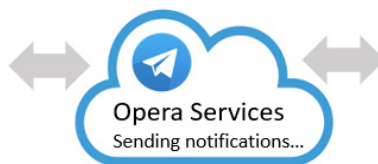


# FIELD system

## OPERA SMART OEE



### APP PREVIEW



## FIELD system



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