



## OPERA MES V6

**OPERA MES (Manufacturing Execution System)** delivers information that enables the optimization of production activities from orders launch to finished goods. It is a complete, flexible and modular MES solution that covers four functional areas: **Production, Material Management, Quality Control and Maintenance.**



**OPERA MES main task is to manage and monitor the factory in real time,** by providing all information regarding production progress, the efficiency of each department, work center, operator, the controls executed on the production line, traceability of lots, process data, maintenance activities, finite capacity scheduling, etc.



**OPERA MES integrates any ERP system that could be present in a company.** The integration with ERP is an important aspect because it allows a bidirectional communication between the two systems. In the same way, OPERA MES can be integrated with SCADA, PLC, and automation systems for the automatic acquisition of data and the complete monitoring of processes.

**OPERA MES allows any company's requirement to be satisfied, for both SMB to multinationals or multi-plant companies.** Nowadays our customers portfolio counts more than 300 companies that have implemented successfully MES projects with OPERA MES.

### **NEW GENERATION Software**

Microsoft .NET framework, DB SQL Server, web-based technologies HTML5

## MODULAR STRUCTURE

OPERA is a complete, flexible and modular MES solution that covers four key functional areas: Production Control, Material Management, Quality Control and Maintenance.

OPERA modular structure allows companies to implement tailored projects, by activating the needed functionalities and by giving customers the opportunity to extend the project when the needs change. OPERA is a dynamic and performing system that represent the plant operating system.



### PRODUCTION

It allows all activities performed in the shop floor to be managed, tracked and monitored, to supervise and analyze production operations in real time.

The main features of this area are:

- **Production Data Acquisition & Monitoring**
- **Machines Data Acquisition (PLC/IO Cards)**
- **Planning and Scheduling FCS/APS**
- **KPI – Performance Analysis (OEE)**
- **Production Orders Management**

### MAINTENANCE

It manages and monitors all maintenance activities carried out by operators, aiming at reducing maintenance costs, reducing downtimes, improving the availability of all companies' assets and improving products quality.

- **Assets Management**
- **Preventive & Breakdown Maintenance**
- **KPI – Performance Analysis (MTBF, MTF, MTR, MTD)**

### MATERIAL

It manages all inflows and outflows of materials, and allows the user to have access to updated information on the availability of the materials that need to be used in production.

The main features of this area are:

- **Material Automatic Identification**
- **Data Acquisition (Material Picking)**
- **Material Movements Management**
- **Stock Levels Monitoring and Analysis**

### QUALITY

It automatically manages, tracks and monitors quality control parameters detected during manufacturing operations to guarantee products compliance.

The main features of this area are:

- **Quality Tests Management**
- **Process Control**
- **Traceability & Genealogy**

