MES
Manufacturing Execution System
Digital Industry
WHAT ARE THE BENEFITS?
Understanding the shop floor in real time permits a thorough control of all the elements involved in production process.

MES is a tool for the decision makers to improve production output.
Complement your **management systems** and **production control** with **MES** for planning job orders on time, monitoring real-time production processes according to the preset routing, controlling the movement of materials and hence making a production control more efficient.

**MES FOR A SUSTAINABLE PRODUCTION**
Data collection points are installed to receive data from machines or production lines Registered by barcode or touch.
JOB ORDERS
OPERATIONS
MATERIALS
MACHINE
OPERATOR

PRODUCTION DATA COLLECTION

- Start/end of job order, operation
- Employee assigned for machine
- Materials for incorporation in machine
- Production records
- Quality control tests
PRODUCTION DATA COLLECTION

Functional machine status
Instantaneous & average speed
Produced quantity
Setup and production time
Downtime reasons
Consumed quantity

DIRECT DATA ACQUISITION THROUGH SENSING EQUIPMENT

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SCADA – INDUSTRIAL SUPERVISION

PROCESS MONITORING THROUGH SYNOPTIC PANELS

Local or remote supervision, multi-factory
Produced and rejected quantities
Real-time machine speed
Profitability analysis
Productive vs. unproductive time analysis
Efficiency per machine
ANALYSIS

PRODUCTION DOWNTIME EVENTS
OVERALL EQUIPMENT EFFECTIVENESS (O.E.E.)
MES SOLUTION FOR INDUSTRY 4.0

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