OPERA MES BENEFITS

A Global Industrial Scenario

In the manufacturing sector, gains come from Production. Therefore, in a productive market that becomes more and more global, manufacturing companies are required to reduce product prices, increase efficiency, ensure on-time deliveries of high-quality products and flexibility to satisfy the continuous variations of customers requests.

The actual scenario requires manufacturing companies to reach **Operational Excellence**, by adopting strategies and IT systems able to ensure efficient resources, processes and operations.

It is essential to rely on an advanced information systems for the management and real time control of manufacturing operations, in order to establish a direct communication between the business planning level and the executive one where machines and operators intervene to carry out their tasks.

A lean and efficient production process, under control.

OPERA, Manufacturing Execution System

Opera is an advanced MES product developed according to the international industrial standards, with New Generation Technologies and with a modular and flexible structure that covers all the MES Functional Areas: Production, Material, Quality & Maintenance Management.

Opera manages complex production information and transforms it into a comprehensible "language" to operators, machines and control systems. It gathers real time data coming directly from the production lines and transforms it into the needed information to take correct decisions, towards productivity and efficiency improvement.

Production Costs Reduction & Increase in Productivity

The total real time visibility of the shop floor enables to promptly react to the events when production is in progress, by reducing waiting times, machine downtimes and all those kind of activities that do not generate production value. The analysis of complete, precise and integrated information that Opera MES is able to provide enables the Management to measure resources productivity, efficiency, main reasons of losses etc, in order to take the suitable actions towards times & costs reduction and increase productivity and efficiency.

Increase in Efficiency (OEE)

The real time control of the status of each resource, its tasks, times, quantities etc, enables to improve the global efficiency of equipment, machines, operators and processes, through the calculation and analysis of the main performance indicators internationally used (OEE, OPE, OLE, MTBF, MTTF etc), Pareto charts displaying main reasons of losses, failures analysis per department/machine etc... in order to take the corrective actions towards the continuous improvement of the process.

Stock Reduction, Materials Control & Lots Traceability

Opera manages and monitors in real time the movement of materials, their consumption and the stock levels. Opera provides a complete genealogy and traceability of each production lot, in order to ensure product compliance, according to legal & customer requirements, thus ensuring the customer satisfaction.

Products Quality & Process Improvement

The quality management and control links production operations to quality ones, in order to reduce scraps production and to ensure the delivery of products that comply legal requirements and parameters requested by the customer. The direct connection to machines allows the process values to be gathered in real time, thus, to promptly react to process deviations and take corrective actions to avoid the production of defective products & scraps.

Opera MES, the value of the information

The value of information that Opera MES is able to provide leads the manufacturing company to reach its ROI in a very short time. The manufacturing companies that have decided to rely on Opera MES to control and optimize their production processes, have obtained a return on investment between 3-6 months starting from the system implementation.

OPENDATA
IT SOLUTIONS FOR MANUFACTURING

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