

REFERENCE SOLUTION FOR MANAGING PACKAGING LINES



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PROJECT DESCRIPTION

SMITEC SWM is a modular and configurable Industry 4.0 IT suite based on AggreGate SCADA/HMI, aimed for supervision of packaging or other manufacturing line types, with its features including monitoring, data collection, production tracking and management, as well as KPI calculation (OEE). Being easy to install, launch and use, SWM enables continuous performance and profitability improvement for a line or entire plant. It boasts dozens of deployments.

The system can be used by control room operators for process monitoring, by technicians for machine state analysis, as well

as by financial officers or other executives for business process and staff performance analysis.

HARDWARE / DEVICES

A packaging line is an organized set of machines, devices and control units that, when combined, output final packaged products using various input elements. Typically, every single machine and device is controlled by a PLC or PAC system able to exchange operational data with an external system. The data exchange interface forms the basis of IT solutions that ensure continuous monitoring of line operations and provide useful insights that drive the ongoing performance improvement.

Currently, Ethernet is typically used as the interface, with protocols like MODBUS/TCP or OPC running on top of it.

BENEFITS

- Efficient analysis of equipment performance
- Evaluation of cost-efficiency and process optimization
- Mobile and web access to the monitoring system
- Integration with MES and ERP systems
- System scalability driven by a distributed architecture

SOLUTION

Industrial Automation

