

JAG MMS Maintenance Management System



Summary

A Maintenance Management System enables plant owners to operate and maintain their infrastructure and production facilities in an efficient, cost effective and compliant way.

The JAG MMS is suitable for managing periodical maintenance tasks as well as for predictive maintenance based on operational data.

It allows triggering of maintenance tasks based on multiple criterias, scheduling of interventions, SOP-based guidance of maintenance personnel during execution and documentation of maintenance activities.

Typical applications include

- maintaining cleanrooms and other important infrastructure in a compliant state
- optimizing the maintenance intervals of elements based on operational data, e.g. replacing valve gaskets after a certain number of switching cycles while ensuring a maximum interval for valves with low activity

Features of the JAG MMS

- Paperless, SOP-based workflows
- Preventive Maintenance
- Predictive Maintenance
- Calibration Management
- Spare Parts Management
- Work Order Management
- Scheduling of Interventions
- Service History Tracking (Logbook)
- Access Control
- Audit Trail
- Data Analysis
- Data Export

Functional overview / topology

MMS Console in the office for administrative purpose

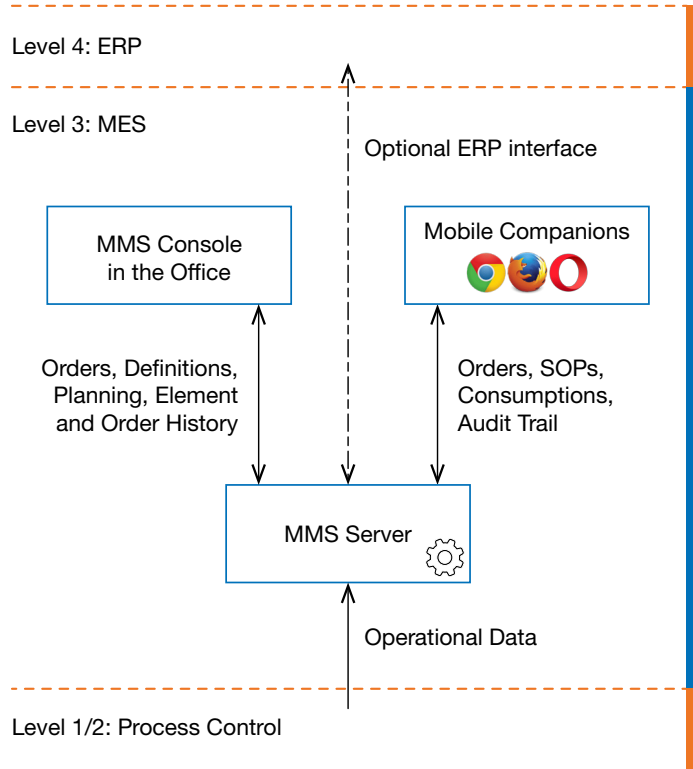
- Versatile element import
- Hierarchical viewing based on physical S95/S88 model
- Definition of trigger rules and Standard Operating Procedures (SOPs) for categories of elements
- Optional scheduling of the interventions

Mobile Companions

- Maintenance order overview
- SOP-based guidance of the maintenance personnel during the intervention
- Audit trail for executed maintenance tasks and spare parts consumption

MMS Server (windows service)

- Capture of operational data (e.g. accumulated power-on time and no. of switching cycles)
- Automatic monitoring of the trigger rules and generation of maintenance orders
- Optional ERP interface for spare part management



System requirements

Component	Requirements
Client PCs for the MMS Console	One or several PCs with Windows 7/8/10
Devices for maintenance personnel	Using mobile devices (tablet or mobile PC) is recommended, since the maintenance personnel is interactively guided through the process. Device with up to date webbrowser (preferably Chrome, Firefox or Opera). Minimum screen size and resolution: 10 inch, 1680x1050 px Live connection to the MMS Service (typically via WLAN).
Server for MMS Service	Windows 7/8/10 machine. Live connection to the SQL Server and the desktop/mobile clients.
SQL Server	MS SQL Server 2014 or later

Licensing

The license model is based on the maximum number of elements handled by an MMS Server.

The number of desktop clients and web-based companions is not considered for the licensing.

License	Order number
1 Server, up to 500 Elements	M022.200.110.005
1 Server, up to 1000 Elements	M022.200.110.010
1 Server, up to 2000 Elements	M022.200.110.020
1 Server with an unlimited number of Elements	M022.200.110.088