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 criteria, 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

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**System requirements**

<table>
<thead>
<tr>
<th>Component</th>
<th>Requirements</th>
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</thead>
<tbody>
<tr>
<td>Client PCs for the MMS Console</td>
<td>One or several PCs with Windows 7/8/10</td>
</tr>
<tr>
<td>Devices for maintenance personnel</td>
<td>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 Firefox or Chrome). Minimum screen size and resolution: 10 inch, 1680×1050 px Live connection to the MMS Service (typically via WLAN).</td>
</tr>
<tr>
<td>SQL Server</td>
<td>MS SQL Server 2014 or later</td>
</tr>
</tbody>
</table>

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**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.

<table>
<thead>
<tr>
<th>License</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Server, up to 200 Elements</td>
<td>M022.200.110.002</td>
</tr>
<tr>
<td>1 Server, up to 500 Elements</td>
<td>M022.200.110.005</td>
</tr>
<tr>
<td>1 Server, up to 1000 Elements</td>
<td>M022.200.110.010</td>
</tr>
<tr>
<td>1 Server, up to 2000 Elements</td>
<td>M022.200.110.020</td>
</tr>
<tr>
<td>1 Server with an unlimited number of Elements</td>
<td>M022.200.110.088</td>
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