Our solution

Our CMMS Assessment is a Technical Consultancy product and its goal is to review your maintenance strategies and work flows using worldwide Siemens O&M experience. Our target is to understand your CMMS and propose recommendations in order to reduce system complexity, increase transparency and flexibility. A complex CMMS that is not adaptable to changing requirements will end being side-stepped or bypassed. CMMS should be understood and used at every level in the organization, therefore it is important to be simple and easy to use.

From our global O&M experience, a suitable CMMS system has to excel on each of the following aspects:

- Functionality (good interaction between product features)
- Ergonomic (easy usability)
- Flexibility (flexible for users to handle special situations)
- Adaptability (able to easily handle modifications to adapt to changing project conditions)
- Maintainability (easy for administrators to maintain the system).

Therefore these aspects are considered as keys drivers in our CMMS Assessment.

Your benefit

CMMS Assessment analyses and evaluates the performance of your maintenance management.

Our analysis of your CMMS can help you determine how to:

- Optimize Enhance processes and streamline workflows
- Reduce data management issues
- Enhance the interaction with operation, HSE, accounting and invoicing
- Reduce planning effort
- Reduce duplication of work

In addition to the typical functionalities, we will also look for other functionalities that should work in a smooth interaction with the CMMS (see table 1). Our objective is to provide practical recommendations in order to make an easy and reliable work between the departments where those functionalities belong.

The evaluation will be captured in a confidential report, which contains recommended actions in order to help you enhance your performance and profitability.
### Pre-evaluation phase
- Preparation and pre-analysis of preliminary information
- Power plant specific preparation
- Evaluation of preliminary information (CMS data, procedures)

### On-site execution phase
- Interviews and analysis
- Interviews with employees in relevant departments
- Access to relevant systems and documents

### Evaluation phase
- Evaluation
- Conclusion and report
- Preparation of presentation
- Preparation of improvement areas

### TIMELINE
- 1 week
- 2 days minimum
- 1 week

### ACTIONS

#### Example

**Table 1: CMMS functionalities**

<table>
<thead>
<tr>
<th>Areas of evaluation</th>
<th>Details</th>
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| **Plant Data Management**                | Plant data structure
|                                          | Accessibility of documents                                              |
| **Dashboard and KPIs**                   | System audits and data analysis                                         |
|                                          | Maintenance measures                                                    |
| **Maintenance Strategy and Execution**   | Fault / failure behavior                                                |
|                                          | Maintenance cost analysis                                               |
| **Inventory Management**                 | Strategic and spare parts                                               |
|                                          | Consumables / tooling management                                        |
| **Procurement – Purchase / Material Requisition Management** | Requisition / purchase workflow |
|                                          | Interface with maintenance strategy                                     |
| **Project and Outage Management**        | Major / minor maintenance planification                                 |
|                                          | Schedules and cost information                                          |
| **Shift Log Management**                 | Shift planning flexibility                                              |
|                                          | Critical shift events                                                   |
|                                          | Acknowledgement and execution of activities                            |
| **Occupational and Operational Safety**  | Maintenance safety                                                      |
|                                          | Accident risk analysis                                                  |
| **Accounting / Invoicing**               | Interface between CMMS and accounting / Invoicing tool                 |
|                                          | Workflow interactions                                                   |

### CMMS areas of evaluation

- Project and Outage Management
- Maintenance Strategy and Execution
- Plant Data Management
- Dashboards and KPIs
- Shift Log Management
- Purchase / Material Requisition Management
- Occupational and Operational Safety
- Accounting and Invoicing

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