Computerized Maintenance Management with Siemens PowerMaster™ based on SAP

Last year, we - the municipality of Flensburg GmbH - decided to use SAP R/3 for computerized maintenance management for our Power Generation main department. After an extensive requirements and market study we made the decision to execute this project with Siemens. In addition to Siemens' competence in power plants, the availability of the pre-configured SAP R/3 **PowerMaster** business applications was a key decision criterion. **PowerMaster** is solely based on SAP native features such as customization of catalogs and the ABAP workbench.

At the beginning of the project we installed the following **PowerMaster** components:

- Plant Maintenance (customized templates and catalogs)
- Equipment Isolation / Work Clearance Management (customized template)
- Shift Management (add-on component)

The installation of the components was completed without problems on our SAP server (version 4.6C). The Plant Maintenance and Work Clearance Management components were stable with SAP release upgrade installations. We expect only minor adjustments to Shift Management during upgrades.

In the course of the project execution the **PowerMaster** system was customized to our specific business needs, and integrated with the other SAP modules (Material Management MM, Controlling CO, Financials FI, and others).

Currently, we are on-line with the applications Plant Maintenance, Work Clearance, and Shift Management, and in retrospect we can say that the Project has fully proven itself worthwhile. The preconfigured **PowerMaster** solution components resulted in significant time savings. Most catalogs were usable with small adjustments. Also, the cooperation with Siemens was smooth. Especially noteworthy is the comprehensive competence of Siemens regarding all aspects of such a project. This expertise spanned from SAP programming know-how to knowledge of plant maintenance and generation processes to the extensive collection and structuring of power plant data.

Additionally important to emphasize is that this SAP project implementation was executed according to the project schedule fully on-time.

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