WHY DON'T YOU INVEST IN IMMS® TOO?

Improve your maintenance processes and increase your plant availability while reducing life-cycle costs!

Use IMMS® for your entire works complex or start step by step with individual plants or even assemblies.

Select your IMMS® as a complete package, or start with the basic package and flexibly add further options later.

Interested? Turn the page!
An important factor for surviving in spite of the pressure generated by a strong competition due to globalization and international presence is to increase production while maintaining high quality standards. You as a steel producer have to respond to the market developments with increasing speed and flexibility. More and more, time and money become factors which increase the pressure for efficient production.

This means that you must be able to trust in the permanent and unrestricted operation of your plants without having to deal with unnecessary down-times, since the availability of your production facilities is worth its weight in gold.

Furthermore, efficient maintenance is an absolute must for those who pursue this objective in a consistent manner. But this maintenance must be able to be planned, be efficient and require only a short time. Facing intensive plant utilization, growing demands on environmental protection, different degrees of wear of the plant components and varying quality requirements, ensuring a favorable maintenance routine is a difficult task. Transparency and efficiency are the keywords here.
To achieve professional maintenance while simultaneously pursuing a continuous improvement process (CIP), the introduction of computer-aided maintenance (CMMS) is an innovative solution, disburdening the affected areas, such as purchasing, stockkeeping and customer service. Computer-aided maintenance comprises software integration for computer-aided maintenance planning using intelligent tools. In this way, interactions can be linked, sequences can be simplified and even automated to a certain degree. However, experience shows that it requires large efforts to act according to the concept of computer-aided maintenance. One reason for this is the fact that standard software does not contain any plant data and thus cannot take into account the plant process. Creating reasonable structures and providing the system with the required information requires a lot of time and effort. In order to optimally use the system, not only the tasks described here are of importance, but also the required level of competence of the plant owner or producer.
To enable you to concentrate on your core business, we as a competent partner would like to undertake the task of providing a maintenance system for this purpose. With our Integrated Maintenance Management System (IMMS®) we combine computer-aided maintenance with valuable data and thereby create a plant- and customer-specific all-inclusive package.

If the computer-aided software is already installed, instead of an IMMS® all-inclusive package, we will prepare and set up an IMMS® data package. Based on the operating and maintenance instructions already prepared, an IMMS® can be provided even for new plants.
Maximum efficiency and performance increase of the maintenance routine thanks to:

- **Complete supply and integration of the basic data required for maintenance.**
  
  In a compact package, the entire plant is reflected by the software and the technical data available are implemented. In this way, a reliable basis is created for effective maintenance organization. Every component to be maintained is clearly identified and coded in order to ensure target-oriented and purposeful maintenance (equipment tree).

- **Achieving stable and reliable production conditions by means of preventive and planned maintenance downtimes.**

  This objective is achieved by the mutual harmonization of the implemented software functions.

The result is a practical and service-oriented maintenance engineering which is based on the general principles of reliability centered maintenance (RCM) and a corresponding mix of maintenance strategies in accordance with the rules of the failure mode effects and criticality analysis (FMECA). In this way, individual and optimal maintenance processes (best practices) can be achieved, resulting in maintenance engineering based on the principles of reliability centered maintenance (ME-RCM) by SMS Siemag.
- Professional spare parts management from purchasing to utilization.

The careful coding of the parts allows detailed examination of the frequency of stock turnover as well as the rapid identification of identically designed parts and a systematic analysis of the storage history. This opens up a simple approach to optimizing the stock-keeping and the consumption-oriented ordering process and thereby makes it possible to minimize high stock-keeping costs and spare-parts costs.
HOW IS THE PROJECT IMPLEMENTED?

Preparation and introduction of the package
Integrated management for maintenance

- Project start-up (kick-off meeting) on the construction site, detailed discussion of data sheets, cost center numbering and structure, general rules and requirements, etc.
- Preparation of the IMMS® data package
- Upload and integration of data to the selected software
- Training courses

After commissioning of the IMMS®

The duration of IMMS® development and introduction may differ according to the plant scope and the intensity of customer participation. Upon completion of the project, the software licenses are transferred to the customer, unless the customer is using software that already exists.
SUMMARY

By the continuous improvement of flexibility, efficiency, effectiveness and transparency in professional spare parts and maintenance management, long-term potential is generated for:

- A significant increase in plant availability
- The reduction of maintenance costs and tied-up stock capital
- Improvement of the products and thus of the customer satisfaction
- Long-term reduction of the currently growing market-related pressure to perform
- Additionally, for new plants the run-up curve of the maintenance organization can be speeded up.
SHORT-TERM OBJECTIVES ACHIEVED WITH IMMS®:

- Structured and complete compilation of data
- Identification of resources and synergies
- Reduced plant wear
- Improvement of work sequences and processes
- Increased safety
- Faster integration into a new system
- Continuous improvement process

AS OUR CUSTOMER, YOU WILL DIRECTLY DIATE IMPROVEMENTS PROVIDED BY

ME-RCM EVALUATION CRITERIA

Severity Detection rate
MEDIUM-TERM AND LONG-TERM OBJECTIVES

ACHIEVED WITH IMMS®:

- Optimal utilization of the available workforce
- Promotion of cooperation and company culture
- Significant time savings as regards planning and implementation of maintenance work
- Reduced reject due to defects
- Compliance with new environmental regulations
- Reduction of insurance contributions