

## SAP PLM – Product Life Cycle Management

### Description:

PLM in SAP stands for Product Lifecycle Management. It is one of the parts for SAP Business One software and based on NetWeaver architecture. Hence it is also known as SAP NetWeaver PLM. It contains collections of solutions for handling the complete product related processes. It handles from the initial idea about product to the distribution of that product. It handles the entire Lifecycle of a product.

### SAP PLM Contents

#### 1. Overview of my SAP PLM with the key functional areas:

Program and project management

Life-Cycle Data Management

Life-Cycle Collaboration

Enterprise asset management

Quality management

Environment, Health & Safety

#### 2. Document Management Functions:

Using the document info record

Object links to other SAP R/3 objects

Managing original files

Storage of Original files in secure areas

CAD-integration

Document distribution

Customizing

Internet Scenarios

#### 3. Configuring, maintaining and using the system to classify objects:

Characteristics maintenance

Class maintenance

Object classification

Options for using the classification system to find objects

Class hierarchies and characteristic inheritance

Object dependencies in classification

Customizing, including maintaining class types and classifiable object types

Applications of classification

#### 4. Complex Plant Maintenance projects (such as shutdowns or revisions) in Enterprise Asset Management:

Course Content Planning & budgeting Scheduling & capacity planning

Execution Response to changes Completion and analysis Notes

## **5. Plant Maintenance in Enterprise Asset Management and SAP solution portfolio:**

Organization of Plant Maintenance

Technical objects

Breakdown maintenance

Corrective maintenance

Spare parts

Preventive maintenance (maintenance plan)

Project-oriented maintenance (short overview)

Work clearance management (short overview)

Mobile solutions (short overview)

Reporting and analysis

## **6. Structuring and Managing Technical Objects:**

Structuring of Functional Locations

Using, Classifying and Customizing Equipment

Usage of Maintenance Bills of Materials

Customizing for Bills of Material

Working with and customizing Serial Numbers

Measuring Points and Counters

Object Services

Partners and Addresses

Status Management

Warranties

## **7. Schedule Work and Maintenance Planning**

Task List Management & Customizing

Single Cycle Maintenance Planning

Maintenance Planning with Strategy: Time-Based Maintenance Strategy

Strategy Plan Scheduling (Time-Based)

Maintenance Planning with Strategy: Performance-Based

Maintenance Plan Scheduling (Performance-Based)

Maintenance Planning with Cycles of Different Dimensions

Maintenance-Plan-Based Sales of Services

Condition-Based Maintenance

Maintenance-Plan-Based Test Equipment Management

## **8. Customizing settings for Maintenance Processing.**

User Interface: SAP GUI, Enterprise Portal, Mobile Solutions

Notification Category and Type

Configuration of the Notification Interface

Priorities, Field Selection and Object Information

Catalogs and Catalog Profiles

Setting up an Order Type, Work Center, Capacity Planning

Scheduling, Permits, Workflows, Printing

Material Availability Check

Completion Confirmation

CATS

## **9. Integration between Maintenance Order Processes and Financial and Management Accounting**

Cost flow in the maintenance process (estimated costs, planned costs, actual costs)

Period end closing process for maintenance orders including settlement

Budgeting and cost planning (individual budgets, maintenance projects, investments, maintenance budgets)

Plant Maintenance Information System (info structure, update)

Key figures and queries in Business Information Warehouse (BW) relevant to Plant Maintenance

## **10. Work Clearance Management:**

Overview of Work Clearance Management

Asset Structuring

Work Clearance Management Architecture

Approval and Permit Process

Lockout / Tagout Process

Integration of WCM with Maintenance Processing

Further functions

Customizing