

€ TRAINING

Advanced Maintenance Management



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Introduction:

This course focuses on comprehensively structuring the maintenance management environment. The key elements of maintenance management strategy, organization, maintenance program development, work planning, and control, decision models, maintenance auditing and performance measurement, continuous improvement, and other techniques required to implement a world-class maintenance practice will be covered. These key tools can be used to ensure the core disciplines are maintained, to drive improvement, identify best practices, and assist with the formulation of strategies

Course Objectives:

At the end of this course the participants will be able to:

- Identify planning best practices and key Elements for taking action on them
- Understand how world-class organizations solve common planning problems
- Evaluate their practices compared to those of others
- Improve the use of their information and communication tools
- Improve productivity through the use of better, more timely information
- Create and preserve lead-time in work management and use it for planning and scheduling resources
- Improve consistency and reliability of asset information
- Optimize preventive and predictive maintenance strategies
- Audit their maintenance operations
- Use the results to develop an improvement strategy
- Establish Auditing and Performance Indicators as a key element of the maintenance strategy

Targeted Audience:

- All professionals involved in Maintenance Management
- Professionals involved in work planning & control
- Maintenance supervisors
- Maintenance engineers
- Maintenance team leaders and managers
- Operations team leaders and managers

Course Outlines:

Unit 1: Maintenance Management Strategy:

- Maintenance in the Business Process
- Evolution in Maintenance Management
- The Maintenance Management Environment and the need for improvement
- An overview of various approaches to maintenance improvement
- The Maintenance Benchmarking Process
- Maintenance Benchmarking Methodology
- World-Class Maintenance Management
- Structure and content of the Maintenance Management Strategy

Unit 2: Maintenance Plan: Define the Workload:

- Risk Priority Number
- The Criticality Matrix
- Failure Modes and Effects Analysis FMEA
- Consequences of Failure
- Failure Management Policies
- The application of RCM in the Development of Failure Management Policies
- Implementing Failure Management Policies
- Corrective Maintenance Planning
- Maintenance Logistics Planning
- Maintenance Task Detail Planning
- Maintenance Work Estimating

Unit 3: Maintenance Management Systems:

- Maintenance Work Prioritisation
- Maintenance Work Flow
- Notifications
- Weekly Master Schedule
- Backlog Management

Unit 4: Maintenance Auditing and Improvement:

- Introduction to Maintenance Auditing and Benchmarking
- Using Auditing and Benchmarking to drive improvement
- The Maintenance Auditing Process
- Maintenance Auditing Methodology
- Conducting a Maintenance Audit
- Interpreting Audit Results
- Using Auditing to Drive Improvement

Unit 5: Performance Indicators and Management Reporting:

- Managing and Measuring Progress to Excellence
- Information and Control
- Management Levels and Information
- Maintenance Performance Indicators
- Management Reports
- Continuous Improvement in Maintenance