

Techniques for Assets Maintenance Management - Advanced

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Energy Milestones Corporation Advancing Professionals to the next level

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Techniques for Assets Maintenance Management - Advanced



Overview

This course focuses on comprehensively structuring the maintenance management environment. The key elements of a maintenance management strategy, including organisation, 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

- Identify planning best practices and key Elements for taking action on them
- Understand how world-class organisations 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 the consistency and reliability of asset information
- Optimise 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

Course Content

1. Maintenance Management Strategy

- Maintenance in the Business Process
- Evolution in Maintenance Management
- The Maintenance Management Environment and the need 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



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Course Content

2. Maintenance Plan: Define the Workload

- 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

3. Maintenance Management Systems

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

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

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



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Targeted Audience

- Maintenance Planners
- Maintenance Supervisors
- Maintenance Engineers
- Operations and Process Team Leaders
- Maintenance team leaders and managers

Course Methodology

Facilitated by an experienced professional trainer, this training course will be conducted as a highly interactive workshop session. A variety of training methodologies and facilitation techniques will be employed before and during the course, as applicable. These methods are aimed at enhancing individual and group interaction while maximising learning. Some of these methods are:

- Online Pre-post Test
- Colourful Visual Aids
- Gamification
- Self-Assessment Instruments
- Simulations
- Case Studies
- Videos
- Group Exercises & Discussions
- Role plays
- Indoor & Outdoor games

