

# Advanced Maintenance Management

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## Energy Milestones Corporation Advancing Professionals to the next level

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# Advanced Maintenance Management



## Overview

This training course is focused on comprehensively structuring the maintenance management environment. It will cover the key elements of maintenance management strategy, organisation, maintenance programme 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. These key tools can be used to ensure the core disciplines are maintained, drive improvement, identify best practices, and support the formulation of effective strategies.

## Course Objectives

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

- Demonstrate the latest concepts and techniques required for managing or supervising a maintenance unit.
- Examine the organisational and managerial considerations for practical maintenance work.
- Evaluate your practices compared to those of others
- Apply techniques to measure Overall Equipment Effectiveness (OEE)
- Optimise preventive and predictive maintenance strategies
- Audit your maintenance operations
- Identify standard maintenance Key Performance Indicators (KPIs) and
- Develop the maintenance department scorecard
- Use the results to develop and improve a strategy

## Course Content

### 1. Introduction

- Objectives of maintenance management
- Evolution in Maintenance Management
- Common maintenance management problems
- Typical responsibilities of a maintenance manager



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## Course Content



### 2. Continuous improvement practices in maintenance

- Maintenance strategies
- Overall Equipment Effectiveness
- Equipment failures and patterns
- Failure modes and effects analysis
- Emergency and preventive maintenance
- Common preventive maintenance tasks
- Predictive maintenance

### 3. Management of maintenance

- Maintenance workflow process
- Work requests and work orders
- Work planning and scheduling
- Backlog management
- Resource management
- Spare parts management
- Maintenance master budget
- Maintenance initiatives
- Replacement analysis of assets
- Maintenance operating budget
- Innovation and creativity

### 4. Maintenance planning and control

- Introduction to Maintenance Auditing and Benchmarking
- The Maintenance Auditing Process
- Using Auditing and Benchmarking to Drive Improvement

### 5. Maintenance Auditing and Improvement

- Measuring and evaluating maintenance performance
- Common maintenance Key Performance Indicators (KPIs) and targets
- The maintenance balanced scorecard



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## Targeted Audience

- Maintenance team leaders and managers
- Maintenance and Reliability Engineers
- Maintenance supervisors
- Maintenance engineers
- Planning engineers
- Operations 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

