

Fundamentals of Maintenance Management Best Practice

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Energy Milestones Corporation Advancing Professionals to the next level

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Fundamentals of Maintenance Management Best Practice



Overview

This comprehensive training course has been designed to benefit both qualified new professionals and experienced professionals who may need to refresh their skills. It covers the fundamentals of Maintenance Management Best Practice required to ensure that plant and equipment are reliable and cost-effectively maintained.

Course Objectives

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

- Understand Maintenance as a Key Business Function
- Understand The Objectives and Purpose of Pro-Active Failure Management
- Learn How Reliability Influences Not Only Plant Output, But Also Improves Health, Safety and Environmental Performance, Resource Optimisation and Cost Improvement
- Identify Planning and Scheduling Best Practices and How This Contributes to Work Quality and Reliability Improvement
- Use Suitable Performance Indicators and Management Reports to Perform Regular Analysis of Maintenance Performance, Control Maintenance Resources and Costs, and Drive Continuous Improvement
- Establish Continuous Improvement as a Permanent Process

Course Content

1. An Overview of Key Maintenance Work Processes

- Introduction to Maintenance Management
- Definitions of key terms
- Types of Maintenance - Reactive, Planned Improvement jobs, Preventive and Proactive



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Course Content

2. Maintenance Management Systems

- Maintenance Planning and Scheduling
- Computerised Maintenance Management Systems
- Developing Maintenance Key Performance Indicators

3. Preventive Maintenance and Maintenance Strategy

- Maintenance Organisation Structure and Policies
- Developing and Implementing a Preventive Maintenance Program
- Applying Reliability-Based Principles to Maintenance Strategy Development

4. Maintenance Logistics and Cost Control

- Managing Maintenance Spare Parts and Logistics
- Optimising Spare Parts Inventory Levels
- Maintenance Budgeting
- Controlling Maintenance Costs
- Introduction to Life Cycle Cost Concepts

5. Maintenance Team Work

- Engineering, Production & Maintenance Teams
- Benefits of Integrated Teams
- Motivation and empowerment
- Total Productive Maintenance Concepts
- Implementing Team-Based Continuous Improvement in Maintenance



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Targeted Audience

- Maintenance and Operations Professionals
- Maintenance Engineers and Supervisors
- Maintenance Planners, Schedulers and Work Preparers
- Key Operations Supervisors

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 aim to enhance 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

