Implementing Effective Preventive and Predictive Maintenance Programmes

Venue Information

Venue: London UK

Place:

Start Date: 2026-12-22

End Date: 2026-12-26

Course Details

Net Fee: £4750.00

Duration: 1 week

Category ID: METC

Course Code: METC-16

Syllabus

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Introduction

In today's industrial landscape, effective Planned & Predictive Maintenance are pivotal for organizational success. This comprehensive 5-day program is meticulously designed to cater to both new professionals and seasoned experts involved in developing or auditing maintenance systems. From system development to operational implementation, it covers all aspects essential for a successful Maintenance program.

Objectives

Industrial organizations are shifting towards predictive, proactive maintenance strategies for improved productivity and reliability. This courses aims to:

4. Improve consistency and reliability of asset information.
5. Optimize preventive and predictive maintenance strategies.

The Contents

Day 1 - The Need for Maintenance

- Failure Mode Effect & Criticality Analysis (FMECA)
- Causes of Failures and Risk Analysis
- Reliability Centred Maintenance (RCM) and Failure Pattern Identification
- Statistical Analysis and Zero Base Budgeting

Day 2 - Developing the CMMS

- Database Construction and Hierarchical Structure
- Procedures, Plans, and Resource Allocation
- Maintenance Strategies: Centralised/Decentralised, Planned & Predictive

Day 3 - The Planning Function

- Roles & Responsibilities in Maintenance Planning
- Job Planning, Integration with Procedures, and Resource Levelling
- Scheduling: Long Term, Medium & Short Term, and Production Integration

Day 4 - Predictive Maintenance

- Potential Failure Analysis (PFA) and Integration with RCM
- Understanding the P-F Interval and Selecting Technologies
- Vibration Analysis, Infrared Thermography, and Oil Analysis

Day 5 - Control of the Maintenance Process

- CMMS Integration and Predictive Maintenance Interface
- Operational Planning, Reporting, and Financial Feedback
- Key Performance Indicators and Work Request Backlog Analysis

Enroll now to master the essentials of effective Planned & Predictive Maintenance and propel your career forward.