

# Implementing Effective Preventive and Predictive Maintenance Programmes

## Venue Information

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**Venue:** London UK

**Place:**

**Start Date:** 2026-03-17

**End Date:** 2026-03-21

## Course Details

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**Net Fee:** £4750.00

**Duration:** 1 week

**Category ID:** METC

**Course Code:** METC-16

## Syllabus

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### **courses Syllabus**

#### **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.