

# Maintenance and Reliability Best Practices

## Venue Information

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**Venue:** London UK

**Place:**

**Start Date:** 2025-12-22

**End Date:** 2025-12-26

## Course Details

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**Net Fee:** £4750.00

**Duration:** 1 week

**Category ID:** METC

**Course Code:** METC-18

## Syllabus

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### **courses Syllabus**

#### **Introduction**

Discover the importance of Maintenance & Reliability Best Practices for individual and organizational success. This workshop offers practical insights and tools for optimizing maintenance and reliability. Join Skilllinx for the Maintenance and Reliability Best Practices courses in Maintenance Engineering Training.

#### **Objectives**

- Evaluate maintenance programs based on Value = Benefit – Cost.
- Apply Life Cycle cost and risk planning to facility assets.
- Target Maintainability and/or Reliability in maintenance plans.
- Learn the PLAN, DO, REVIEW cycle of continuous improvement.
- Practice improvement techniques using practical case studies.

- Definitions of reliability, maintenance & asset management
- Total cost of maintenance
- Best practice reliability and maintenance processes
- Elements of asset management best practice
- Auditing performance
- Overview of TPM, RCM, BCM, QCM, and other asset management buzzwords
- Open discussion sessions

## **Day 2 – Laying the Groundwork**

- Team-work maintenance, operations, stores
- Importance of standards such as PAS 55, JA1011
- Corporate asset management expectations
- Asset performance expectations
- Forms of asset failure and degradation
- Causes and nature of asset failure and degradation
- Effects, cost, and risks of asset degradation
- Practical Application and Open Discussion sessions

## **Day 3 – Applying the Value-based Process**

- Breaking the cycle of failure and degradation
- Select PM tactics based on costs and risks
- Determining PM intervals
- Condition-based maintenance types and the PF-curve
- Four important reliability functions
- Implementing best practice maintenance programs
- Optimizing spares to support maintenance
- Maintenance program cost and risk-based justification
- Practical Application and Open Discussion Sessions

## **Day 4 – Ensuring the Continuity of the Value-based Process**

- Completing the PLAN, DO, REVIEW Improvement cycle with FRACAS
- Failure Reporting, Analysis and Corrective Action System requirements
- Structure and code data collection to support reliability analysis
- Quantifying chronic failures and losses
- Using Pareto analysis and stratification for focus
- Quantifying losses in life cycle terms
- Hypothesizing root causes of failure and verification

- Planning and scheduling best practice
- Cost-effective manpower and skills deployment
- Performance indicators for continuous improvement
- Overall review of concepts learned

### **Closing Remarks**

Enhance your maintenance and reliability strategies with Skilllinx's Maintenance and Reliability Best Practices courses. Acquire practical tools and techniques to optimize asset management and drive continuous improvement in your organization. Join us to unlock the full potential of your maintenance programs.