



Consulting and Training | Reach New Heights

Course Name

Preventive and Predictive Maintenance Excellence

Sector Name

Maintenance & Reliability Management

Document Type

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Preventive and Predictive Maintenance Excellence

Course Introduction

Effective Planned & Predictive Maintenance is critical for a successful company and an integral part of maintenance management strategies. This comprehensive **5-day** course has been designed to benefit both qualified new professionals as well as experienced professionals who may be involved in the rollout of a comprehensive maintenance system or auditing an existing system. It covers all the steps required in developing a successful planning & predictive maintenance programme from system development until a well-managed Maintenance system is in place and operational.

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Preventive and Predictive Maintenance Excellence

Target Audience

- ✓ Facilities Engineer
- ✓ Facilities Engineering Manager
- ✓ Facilities Manager
- ✓ Facilities Specialist / Coordinator
- ✓ Health and Safety Engineer
- ✓ Maintenance Group Leader
- ✓ Maintenance Helper / Assistant
- ✓ Maintenance Manager
- ✓ Maintenance Superintendent
- ✓ Maintenance Supervisor
- ✓ Mechanical Reliability Engineer
- ✓ Network Reliability Engineer
- ✓ Operations and Maintenance Specialist
- ✓ Reliability Engineer

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Learning Objectives

- ✓ Understanding how world-class organizations solve common planning problems
- ✓ Improving productivity through the use of better, more timely information
- ✓ Implementing a practical and effective predictive maintenance effort
- ✓ Improving the consistency and reliability of asset information
- ✓ Achieving more productive turnarounds
- ✓ Optimizing preventive and predictive maintenance strategies

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Course Outline

✓ **01 DAY ONE**

Introduction to Maintenance Management & Reliability

- ✓ Maintenance Management Fundamentals
- ✓ Managing Equipment Reliability
- ✓ Failure Mode Effects & Criticality Analysis
- ✓ Optimizing Maintenance Decisions

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Course Outline

✓ 02 DAY TWO

Effective Maintenance Strategies

- ✓ Introduction to Maintenance Strategies
- ✓ Preventive Maintenance Strategy, selection and implementation
- ✓ Predictive Maintenance Strategy, selection, and implementation
- ✓ Resources and Roles in Maintenance: Dedicated Manpower, Contractors, and Specialist Tools

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Course Outline

✓ **03 DAY THREE**

Maintenance Management Leadership, Planning & Scheduling

- ✓ Roles & Responsibilities
- ✓ Job Planning
- ✓ Scheduling

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Course Outline

✓ **04 DAY FOUR**

Failure Management & Achieving Excellence

- ✓ Potential Failure Analysis (PFA): Integration of PFA with FMECA & RCM, Understanding the P-F Interval, and Deciding which Technologies to Apply
- ✓ Vibration Analysis: Detectable Faults, Setup Parameters, Monitoring & Protection, and On-Line or Off-Line
- ✓ Supporting Technologies: Infrared Thermography, Passive Ultrasonics, and Oil Analysis
- ✓ Steps For Achieving Maintenance Excellence

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✓ 05 DAY FIVE

Maintenance Benchmarking and Performance Measurement

- ✓ Best Practice Maintenance Management
- ✓ CMMS Integration & Reporting
- ✓ Key Performance Indicators
- ✓ Review the course

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Preventive and Predictive Maintenance Excellence

Confirmed Sessions

| FROM | TO | DURATION | FEES | LOCATION |
|---------------|---------------|----------|------------|------------------|
| July 20, 2026 | July 24, 2026 | 5 days | 4950.00 \$ | England , London |
| Nov. 22, 2026 | Nov. 26, 2026 | 5 days | 4250.00 \$ | Oman , Muscat |
| Jan. 31, 2027 | Feb. 4, 2027 | 5 days | 4250.00 \$ | KSA , Riyadh |
| June 22, 2026 | June 26, 2026 | 5 days | 4250.00 \$ | UAE , Dubai |
| Nov. 23, 2026 | Nov. 27, 2026 | 5 days | 4250.00 \$ | UAE , Dubai |

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info@boostuae.com info@boostorg.com

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