

## MAINTENANCE PERFORMANCE MANAGEMENT

*“Driving Maintenance Excellence through KPIs, Strategy, and Continuous Improvement”*

### Schedule

Date	Venue	Fees (Face-to-Face)
15 - 19 Jun 2026	Istanbul, Turkey	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

### Introduction

Effective maintenance performance management is critical to maximizing equipment availability, minimizing downtime, and aligning maintenance with business goals. This course offers a comprehensive roadmap to develop, measure, and improve maintenance performance using internationally recognized best practices.

Participants will explore the core elements of maintenance strategy, performance indicators (KPIs), planning and scheduling, cost control, and continuous improvement. Practical workshops and benchmarking activities will reinforce learning and drive real-world application.

### Objectives

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

- Define key maintenance performance metrics and benchmarks
- Align maintenance strategy with reliability and business objectives
- Implement effective planning, scheduling, and execution models
- Analyze maintenance data to drive improvement and decision-making
- Develop performance dashboards and reporting structures
- Apply continuous improvement techniques to optimize maintenance processes

## Why Attend

- Learn how to set and measure maintenance KPIs effectively
- Improve maintenance productivity, cost-efficiency, and asset reliability
- Understand the link between maintenance strategy and operational goals
- Gain hands-on experience in performance assessment tools and techniques
- Benchmark your maintenance practices against world-class standards

## Target Audience

This program is designed for:

- Maintenance and reliability engineers
- Maintenance planners and supervisors
- Engineering and technical managers
- Asset and plant managers
- Operations professionals responsible for maintenance oversight

## Individual Benefits

Key competencies that will be developed include:

- Proficiency in setting, tracking, and analyzing maintenance KPIs
- Skills in planning, execution, and continuous performance monitoring
- Capability to drive cost-effective maintenance strategies
- Understanding of industry benchmarks and best practices
- Confidence in leading performance improvement initiatives

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Better control of maintenance costs and resource use
- Improved equipment reliability and availability
- Enhanced integration of maintenance within operational goals
- Reliable reporting for decision support and performance tracking
- Implementation of sustainable maintenance improvement programs

## Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Maintenance maturity models and KPI systems
- Case Studies - Performance improvement from global industries
- Workshops - KPI selection, dashboard creation, RCA tools
- Peer Exchange - Group benchmarking and experience sharing
- Tools - CMMS reports, scorecards, root cause analysis templates

## Course Outline

**Training Hours: 7:30 AM - 3:30 PM** Daily Format: 3-4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

### Day 1: Strategic Foundations of Maintenance Performance

- Module 1: Introduction to Maintenance Performance (07:30 - 09:30) • Maintenance roles in asset lifecycle management • Drivers of maintenance effectiveness
- Module 2: Maintenance Strategies and Best Practices (09:45 - 11:15) • Corrective, preventive, predictive, and proactive strategies • Aligning strategy with business goals
- Module 3: Key Performance Indicators (KPIs) Overview (11:30 - 01:00) • Defining SMART KPIs for maintenance • Input, process, and output measures
- Module 4: Workshop - Assess Your Maintenance Maturity (02:00 - 03:30) • Evaluate current practices using maturity models

### Day 2: Performance Measurement and Benchmarking

- Module 5: Common KPIs in Maintenance (07:30 - 09:30) • MTTR, MTBF, OEE, schedule compliance, backlog
- Module 6: World-Class Benchmarks and Targets (09:45 - 11:15) • Using global benchmarks to set performance goals
- Module 7: Data Collection and Analysis Techniques (11:30 - 01:00) • Using CMMS, Excel, and manual systems
- Module 8: Workshop - Build a Maintenance KPI Dashboard (02:00 - 03:30) • Create and interpret performance dashboards

### Day 3: Planning, Scheduling, and Execution Excellence

- Module 9: Planning and Scheduling Fundamentals (07:30 - 09:30) • Work order lifecycle and job preparation
- Module 10: Schedule Compliance and Wrench Time (09:45 - 11:15) • Optimizing execution efficiency
- Module 11: Resource and Materials Coordination (11:30 - 01:00) • Spare parts, contractor use, and logistics
- Module 12: Workshop - Analyze Planning Efficiency (02:00 - 03:30) • Identify planning and scheduling performance gaps

### Day 4: Cost Control and Performance Optimization

- Module 13: Maintenance Budgeting and Cost Metrics (07:30 - 09:30) • Cost per unit, cost per failure, and budget variance
- Module 14: Reliability and Root Cause Analysis (09:45 - 11:15) • Pareto analysis, 5 Whys, FMEA
- Module 15: Linking Maintenance to Asset Management (11:30 - 01:00) • ISO 55000 principles and performance indicators
- Module 16: Workshop - Perform a Cost & Reliability Review (02:00 - 03:30) • Analyze costs and reliability KPIs for a sample plant

### Day 5: Continuous Improvement and Reporting

- Module 17: Lean Maintenance and Continuous Improvement (07:30 - 09:30) • Kaizen, 5S, TPM, and Six Sigma in maintenance
- Module 18: Maintenance Reporting and Communication (09:45 - 11:15) • Scorecards, dashboards, reports for executives
- Module 19: Final Simulation - Maintenance Performance Case Study (11:30 - 01:00) • Solve a real-world challenge using performance tools
- Module 20: Wrap-up, Action Plans, and Certification (02:00 - 03:30) • Develop personal improvement plans and final Q&A

## Certification

Participants will receive a Certificate of Completion in Maintenance Performance Management, validating their expertise in designing and executing maintenance performance systems aligned with global best practices and organizational objectives.

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