

MAINTENANCE & RELIABILITY KPIS DASHBOARDS

“Transforming Maintenance Data into Strategic Insights through Performance Metrics and Visual Dashboards”

Schedule

Date	Venue	Fees (Face-to-Face)
03 - 05 Mar 2026	Manama, Bahrain	USD 2495 per delegate

Introduction

Maintenance and reliability professionals face growing pressure to demonstrate performance, justify investments, and contribute to asset uptime and business continuity. Key Performance Indicators (KPIs) and dashboards offer a powerful way to communicate results, identify inefficiencies, and drive continuous improvement.

This 3-day course is designed to help participants define, measure, and visualize maintenance and reliability KPIs through practical tools, global benchmarks, and digital dashboard platforms. It emphasizes data-driven decision-making and alignment with strategic maintenance objectives such as availability, cost control, safety, and asset longevity.

Objectives

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

- Identify and define meaningful maintenance and reliability KPIs
- Align performance indicators with organizational and asset management goals
- Design and build interactive dashboards for operational visibility
- Interpret trends, diagnose variances, and drive performance actions
- Use KPIs to support maintenance planning, budgeting, and continuous improvement

Why Attend

- Learn how to move from raw maintenance data to actionable insights
- Strengthen your ability to track and improve maintenance performance
- Gain hands-on experience with KPI frameworks and visual dashboard tools
- Benchmark your current maintenance function using international standards
- Support asset management, OEE, and reliability strategies with real-time indicators

Target Audience

This program is designed for:

- Maintenance and reliability engineers/managers
- CMMS and maintenance planners
- Asset management professionals
- Operations, plant, and production leaders
- Performance analysts and dashboard developers

Individual Benefits

Key competencies that will be developed include:

- KPI selection, hierarchy, and alignment
- Dashboard layout and performance visualization
- Failure analysis and mean time metrics (MTBF, MTTR)
- Decision-making based on trends and KPI drill-downs
- Maintenance budgeting and reporting using data

Organizational Benefits

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Instructional Methodology

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

- Strategy Briefings - KPI frameworks, global benchmarks, and digital integration
- Case Studies - Dashboards and scorecards from leading reliability teams
- Workshops - KPI selection, data structuring, and dashboard building
- Peer Exchange - Comparing industry metrics and reporting structures
- Tools - KPI dictionaries, scorecard templates, Excel-based dashboard models

Course Outline

Training Hours: 07:30 AM - 03:30 PM Daily Format: 3-4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Break: 01:00 - 02:00

Day 1: Foundations of Maintenance KPIs

- Module 1: Maintenance Performance Framework (07:30 - 09:30) • Goals of maintenance: uptime, cost, risk, compliance • Defining KPI types: leading vs lagging
- Module 2: Selecting the Right KPIs (09:45 - 11:15) • KPI categories: cost, availability, responsiveness, quality • MTBF, MTTR, schedule compliance, wrench time
- Module 3: Workshop - KPI Gap Analysis (11:30 - 01:00) • Evaluate current KPI usage and identify improvement areas

Day 2: Dashboard Design and Data Structure

- Module 4: Building Maintenance Dashboards (07:30 - 09:30) • Dashboard types: operational vs strategic • Visual hierarchy, colors, and storytelling
- Module 5: Structuring Maintenance Data (09:45 - 11:15) • Linking CMMS, Excel, and external data sources • Organizing data for consistency and automation
- Module 6: Workshop - Designing Your First Dashboard (11:30 - 01:00) • Create a sample layout for maintenance performance reporting

Day 3: Analysis, Communication & Continuous Improvement

- Module 7: KPI Interpretation and Decision-Making (07:30 - 09:30) • Understanding trends, correlations, and red flags • Root cause analysis based on KPI shifts
- Module 8: Communicating KPI Results (09:45 - 11:15) • Audience-specific reports: executives, technicians, planners • Visual reports for team meetings and reviews
- Module 9: Workshop - Presenting a KPI Story (11:30 - 01:00) • Simulate a performance review presentation using dashboards

Certification

Participants will receive a Certificate of Completion in Maintenance & Reliability KPIs Dashboards, confirming their expertise in building and using performance metrics and dashboards to optimize maintenance outcomes.

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