

EFFECTIVE COST CONTROL MAINTENANCE

“Reducing Maintenance Costs Without Compromising Reliability or Performance”

Schedule

Date	Venue	Fees
10 – 12 Feb 2026	Dubai, UAE	USD 2495 per delegate

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

Introduction

Maintenance departments are often challenged to reduce costs while maintaining or improving equipment reliability. Achieving this balance requires a structured approach to cost control that includes accurate budgeting, performance monitoring, optimized resource use, and data-driven decision-making.

This intensive 3-day course provides maintenance professionals with the knowledge and practical tools needed to plan, monitor, and control maintenance costs effectively. Participants will learn how to analyze cost drivers, implement proactive maintenance strategies, and align maintenance budgets with operational priorities—without sacrificing asset performance or safety.

Objectives

- By the end of this course, participants will be able to:
- Identify key cost drivers in maintenance activities
 - Develop cost-effective maintenance strategies and plans
 - Implement preventive and predictive maintenance to reduce unplanned costs
 - Apply budgeting, forecasting, and KPI tracking for maintenance performance
 - Utilize CMMS data for cost analysis and decision support

Why Attend

- Learn how to reduce unnecessary maintenance expenses
- Improve budgeting accuracy and cost transparency
- Shift from reactive to proactive maintenance approaches
- Strengthen asset reliability while controlling costs
- Gain practical tools to manage maintenance spending effectively

Target Audience

This program is designed for:

- Maintenance managers, engineers, and supervisors
- Plant and facility engineers
- Reliability and asset management professionals
- Maintenance planners and schedulers
- Finance and cost control professionals in technical environments

Individual Benefits

Key competencies that will be developed include:

- Ability to develop and manage cost-conscious maintenance plans
- Skill in analyzing maintenance costs and budgets
- Knowledge of cost-saving strategies in maintenance execution
- Greater control over spare parts, labor, and contractor expenses
- Confidence in presenting cost performance to senior management

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced maintenance operating costs through optimization
- Better financial planning and cost visibility across departments
- Improved asset availability and lifespan
- More accurate forecasting and resource allocation
- Stronger alignment of maintenance goals with business objectives

Instructional Methodology

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

- Strategy Briefings – Cost control models, budgeting techniques, and financial KPIs
- Case Studies – Industry examples of maintenance cost reduction
- Workshops – Interactive exercises on maintenance budgeting and cost tracking
- Peer Exchange – Discussions on challenges and solutions in cost control
- Tools – Budget templates, KPI dashboards, and CMMS cost tracking examples

Course Outline

DETAILED 3-DAY COURSE OUTLINE

Training Hours: 07:30 AM – 03:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Maintenance Cost Control

- Module 1: Understanding Maintenance Cost Structures (07:30 – 09:30) • Fixed vs. variable costs in maintenance • Types of maintenance costs: labor, materials, downtime, contractors • Linking cost categories to work types and CMMS
- Module 2: Budgeting and Forecasting (09:45 – 11:15) • Building an annual maintenance budget • Forecasting tools and methods • Variance analysis and cost tracking
- Module 3: Identifying and Analyzing Cost Drivers (11:30 – 01:00) • Root causes of high maintenance costs • Use of Pareto analysis and historical data • Key performance indicators and benchmarking
- Module 4: Workshop – Analyzing Maintenance Budgets (02:00 – 03:30) • Hands-on case study using sample maintenance budgets • Group cost-saving recommendations • Discussion of quick wins and long-term strategies

Day 2: Strategies for Reducing Maintenance Costs

- Module 1: Preventive and Predictive Maintenance (07:30 – 09:30) • Shifting from reactive to planned maintenance • Cost savings from condition-based monitoring • Predictive tools and ROI
- Module 2: Work Planning and Scheduling Efficiency (09:45 – 11:15) • Planning vs. scheduling—what’s the difference? • Optimizing manpower, tools, and shutdowns • Impact of planning on cost reduction
- Module 3: Spare Parts and Inventory Cost Control (11:30 – 01:00) • Inventory analysis and optimization • ABC classification and reorder strategies • Balancing availability with cost
- Module 4: Outsourcing and Contractor Cost Management (02:00 – 03:30) • Make-or-buy decisions • Managing contractor scope, quality, and cost • Performance-based contracting models

Day 3: Performance Monitoring and Continuous Improvement

- Module 1: Cost KPIs and Financial Dashboards (07:30 – 09:30) • Key metrics: maintenance cost per unit, % planned work, MTTR, MTBF • Designing a dashboard for real-time tracking • Reporting to management and continuous monitoring
- Module 2: Using CMMS for Cost Tracking (09:45 – 11:15) • How to capture accurate cost data in CMMS • Work order cost breakdowns and analysis • Integration with ERP and finance systems
- Module 3: Continuous Improvement in Cost Control (11:30 – 01:00) • Lean maintenance concepts and waste elimination • Lessons learned from cost control audits • Sustaining results through periodic reviews
- Module 4: Final Workshop – Building a Cost Control Action Plan (02:00 – 03:30) • Teams develop and present a cost reduction plan • Trainer feedback and discussion • Personal action plans and course conclusion

Certification

Participants will receive a Certificate of Completion in Effective Maintenance Cost Control, confirming their skills in budgeting, analyzing, and optimizing maintenance costs while maintaining high standards of reliability and operational efficiency.

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