

STRATEGIES FOR MAINTENANCE PLANNING

“Optimizing Asset Performance through Effective Maintenance Planning and Control”

Schedule

Date	Venue	Fees (Face-to-Face)
20 - 21 Jul 2026	Doha - Qatar	USD 1995 per delegate

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

Introduction

Effective maintenance planning is essential for ensuring asset reliability, operational efficiency, and cost control. Poorly planned maintenance activities often result in unplanned downtime, increased costs, and reduced equipment life. A structured and proactive maintenance planning strategy enables organizations to optimize resources, improve equipment availability, and support business objectives.

This intensive 2-day course provides participants with practical knowledge and proven strategies for maintenance planning and scheduling. The program focuses on aligning maintenance activities with operational priorities, improving work control, and implementing best practices that enhance reliability and performance.

Objectives

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

- Understand the principles and importance of maintenance planning
- Develop effective maintenance strategies aligned with business goals
- Plan, schedule, and control maintenance activities
- Optimize maintenance resources, materials, and manpower
- Improve maintenance backlog and work order management
- Reduce unplanned downtime and maintenance costs

Why Attend

- Learn practical maintenance planning and scheduling techniques
- Improve asset reliability and availability
- Enhance coordination between maintenance and operations
- Reduce maintenance costs and reactive work
- Strengthen maintenance performance measurement

Target Audience

This program is designed for:

- Maintenance planners and schedulers
- Maintenance and reliability engineers
- Maintenance supervisors and managers
- Asset and facilities management professionals
- Operations engineers involved in maintenance planning

Individual Benefits

Key competencies that will be developed include:

- Strong understanding of maintenance planning concepts
- Ability to create realistic maintenance schedules
- Improved backlog and work control management skills
- Enhanced coordination and communication capabilities
- Practical problem-solving for maintenance challenges

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved equipment reliability and availability
- Reduced unplanned maintenance and downtime
- Better utilization of maintenance resources
- Improved maintenance cost control
- Stronger alignment between maintenance and operations

Instructional Methodology

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

- Strategy Briefings - Maintenance planning principles, strategies, and best practices
- Case Studies - Real-world maintenance planning challenges and solutions
- Workshops - Practical exercises on planning, scheduling, and backlog control
- Peer Exchange - Group discussions on maintenance planning experiences
- Tools - Maintenance planning templates, KPIs, and scheduling techniques

Course Outline

Detailed 2-Day 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: Fundamentals of Maintenance Planning

Module 1: Introduction to Maintenance Planning (07:30 – 09:30)

- Role and objectives of maintenance planning
- Types of maintenance (reactive, preventive, predictive)
- Relationship between planning, scheduling, and execution

Module 2: Maintenance Strategies and Policies (09:45 – 11:15)

- Maintenance strategy development
- Reliability-centered maintenance (RCM) concepts
- Risk-based maintenance planning

Module 3: Work Order and Backlog Management (11:30 – 01:00)

- Work identification and prioritization
- Backlog analysis and control
- Planning job steps, labor, and materials

Module 4: Maintenance Planning Workshop (02:00 – 03:30)

- Creating maintenance plans and job packages
- Estimating time, resources, and materials

Day 2: Scheduling, Performance, and Continuous Improvement

Module 5: Maintenance Scheduling and Coordination (07:30 – 09:30)

- Weekly and daily scheduling techniques
- Coordination with operations
- Shutdown and turnaround planning

Module 6: Materials, Spares, and Resource Management (09:45 – 11:15)

- Spare parts planning and inventory control
- Resource leveling and contractor management
- Tools and equipment availability

Module 7: Maintenance KPIs and Performance Measurement (11:30 – 01:00)

- Key maintenance performance indicators
- Measuring planning and scheduling effectiveness
- Continuous improvement through data analysis

Module 8: Best Practices and Implementation Roadmap (02:00 – 03:30)

- Maintenance planning maturity models
- Common challenges and solutions
- Developing a maintenance planning improvement plan

Certification

Participants will receive a Certificate of Completion in Strategies for Maintenance Planning, validating their competence in maintenance planning, scheduling, work control, and reliability-focused maintenance practices.

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