



*Training Course:
Planning and scheduling maintenance work
Comprehensive*

*15 - 26 March 2027
Kuala Lumpur (Malaysia)*

Training Course: Planning and scheduling maintenance work Comprehensive

Training Course code: EN6016 From: 15 - 26 March 2027 Venue: Kuala Lumpur (Malaysia) - Training Course Fees: 11150
€ Euro

Introduction

Maintenance planning and scheduling are critical functions for ensuring equipment reliability, minimizing downtime, and optimizing operational performance. A structured and integrated approach enables organizations to improve efficiency, reduce costs, and extend asset life.

This advanced 10-day program, designed by Global Horizon Training Center, equips participants with comprehensive methodologies, tools, and practical techniques to plan, schedule, execute, and optimize maintenance activities using industry best practices and modern systems.

Course Objectives

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

- Develop comprehensive maintenance planning and scheduling systems
- Apply preventive, predictive, and reliability-based maintenance strategies
- Optimize workforce, materials, and resource allocation
- Utilize advanced scheduling tools Primavera, MS Project, CMMS
- Manage maintenance backlog and work prioritization
- Analyze maintenance performance using KPIs
- Implement continuous improvement and reliability strategies
- Integrate maintenance planning with operational goals

Target Audience

This program is designed for:

- Maintenance Engineers and Supervisors
- Planning and Scheduling Engineers
- Reliability and Asset Management Professionals
- Plant and Operations Managers
- Maintenance Coordinators and Planners
- Professionals involved in maintenance and asset management

Outline

Day 1: Fundamentals of Maintenance Management

- Maintenance strategies reactive, preventive, predictive
- Maintenance lifecycle
- Roles and responsibilities
- Work order management systems
- Key performance indicators KPIs

Day 2: Maintenance Planning Principles

- Work identification and prioritization
- Job planning and scope definition
- Work breakdown structures WBS
- Documentation and planning standards
- Risk and safety considerations

Day 3: Resource and Materials Planning

- Workforce planning and skills management
- Resource allocation techniques
- Spare parts and inventory management
- Procurement coordination
- Cost estimation basics

Day 4: Scheduling Fundamentals

- Scheduling concepts and principles
- Time estimation and sequencing
- Gantt charts and scheduling tools
- Critical Path Method CPM
- Managing dependencies

Day 5: Advanced Scheduling Techniques

- Weekly and daily scheduling
- Resource leveling and optimization
- Handling disruptions and changes
- Shutdown and turnaround planning
- Coordination with operations

Day 6: CMMS and Digital Tools

- Introduction to CMMS SAP PM, Maximo
- Work order tracking and reporting
- Data management and analytics
- Integration with maintenance planning
- Digital transformation in maintenance

Day 7: Reliability-Centered Maintenance RCM

- RCM principles and implementation
- Failure modes and effects analysis FMEA

- Risk-based maintenance strategies
- Condition-based monitoring
- Asset criticality assessment

Day 8: Maintenance Execution and Control

- Work execution and supervision
- Communication and coordination
- Quality control and compliance
- Safety management
- Performance tracking

Day 9: Performance Analysis and Optimization

- Maintenance KPIs MTBF, MTTR, availability
- Data analysis and reporting
- Root cause analysis RCA
- Continuous improvement strategies
- Cost optimization

Day 10: Strategy, Integration, and Case Studies

- Maintenance strategy development
- Integration with production and operations
- Best practices and benchmarking
- Real-world case studies
- Final assessment and review

Registration form on the Training Course: Planning and scheduling maintenance work Comprehensive

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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- ☐ Please find enclosed a cheque made payable to Global Horizon
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