



*Training Course:  
Maintenance Excellence: Best Practices and  
Innovations*

*3 - 7 November 2025  
Barcelona (Spain)  
Grupotel Gran Via 678*

## Training Course: Maintenance Excellence: Best Practices and Innovations

Training Course code: MI235476 From: 3 - 7 November 2025 Venue: Barcelona (Spain) - Grupotel Gran Via 678 Training Course Fees: 6000 € Euro

### Introduction

The "Maintenance Excellence: Best Practices and Innovations" training program, designed by Global Horizon Training Center, is a comprehensive course aimed at equipping maintenance professionals with the latest strategies, tools, and techniques to achieve maintenance excellence. This program emphasizes best practices and innovative approaches to enhance the efficiency, reliability, and effectiveness of maintenance operations. Participants will gain practical insights into optimizing maintenance processes, reducing downtime, and improving overall asset management.

### Objectives

- To understand the principles and importance of maintenance excellence in industrial operations.
- To learn and apply best practices in maintenance management and execution.
- To explore innovative maintenance technologies and methodologies.
- To develop skills in predictive and preventive maintenance.
- To enhance decision-making capabilities through data-driven maintenance strategies.
- To improve the reliability and availability of critical assets.
- To minimize maintenance costs while maximizing operational efficiency.

### Course Methodology

- Interactive lectures and presentations.
- Case studies and real-world examples.
- Group discussions and activities.
- Hands-on exercises and practical demonstrations.
- Expert insights and industry best practices.
- Assessment and feedback sessions.
- Access to digital resources and tools.

## Organizational Impact

- Enhanced maintenance efficiency and effectiveness.
- Reduced equipment downtime and increased availability.
- Improved asset reliability and longevity.
- Optimized maintenance costs and resource utilization.
- Strengthened maintenance planning and scheduling.
- Elevated overall operational performance and productivity.
- Cultivated a culture of continuous improvement and innovation in maintenance practices.

## Target Audience

- Maintenance Managers and Supervisors.
- Reliability Engineers.
- Maintenance Planners and Schedulers.
- Maintenance Technicians and Engineers.
- Operations Managers.
- Plant Managers.
- Anyone involved in maintenance and asset management.

## Outlines:

### Day 1: Foundations of Maintenance Excellence

- Introduction to Maintenance Excellence
- Key Concepts and Definitions
- The Role of Maintenance in Operational Efficiency
- Best Practices in Maintenance Management
- Maintenance Strategies: Reactive, Preventive, Predictive, and Proactive
- Case Studies: Successful Maintenance Programs

#### Day 2: Advanced Maintenance Techniques

- Predictive Maintenance: Techniques and Tools
- Condition Monitoring and Diagnostics
- Reliability-Centered Maintenance RCM
- Total Productive Maintenance TPM
- Maintenance Benchmarking and Performance Metrics

#### Day 3: Innovations in Maintenance

- The Role of Technology in Maintenance
- Internet of Things IoT and Smart Maintenance
- Data Analytics and Maintenance Decision-Making
- Computerized Maintenance Management Systems CMMS
- Innovations in Maintenance Tools and Equipment

#### Day 4: Maintenance Planning and Scheduling

- Effective Maintenance Planning and Scheduling
- Resource Allocation and Optimization
- Work Order Management
- Maintenance Budgeting and Cost Control
- Risk-Based Maintenance Planning
- Case Studies and Practical Applications

#### Day 5: Continuous Improvement in Maintenance

- Maintenance Audits and Assessments
- Root Cause Analysis and Problem-Solving
- Lean Maintenance and Waste Reduction
- Developing a Maintenance Improvement Plan
- Training and Developing Maintenance Teams



- Final Assessment and Feedback Session

## Registration form on the Training Course: Maintenance Excellence: Best Practices and Innovations

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

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Company Information

Company Name: .....  
 Address: .....  
 City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
- Please invoice me
- Please invoice my company

### Easy Ways To Register

Telephone:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
booking form with cheque  
to: Global Horizon  
3 Oudai street, Aldouki,  
Giza, Giza Governorate,  
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