



*Training Course:
Workshop on Advanced Systems for Maintenance
Planning, Monitoring, and Evaluation*

*13 - 19 October 2025
Madrid (Spain)
Pestana CR7 Gran Vía*

Training Course: Workshop on Advanced Systems for Maintenance Planning, Monitoring, and Evaluation

Training Course code: SC236247 From: 13 - 19 October 2025 Venue: Madrid (Spain) - Pestana CR7 Gran Vía Training Course Fees: 6500 € Euro

Introduction

Planning, monitoring, and evaluating maintenance activities are essential for business success. If the goal is to achieve a world-class organization, then the maintenance strategy plays a pivotal role in this mission, starting from business objectives. Maintenance strategy cannot be viewed in isolation but rather as an integral part of a comprehensive high-performance framework.

This workshop aims to introduce participants to scientific methods for performance evaluation in maintenance management, study modern systems in maintenance engineering, and review both quantitative and qualitative indicators for measuring the effectiveness of maintenance activities. By applying this knowledge, organizations will gain valuable feedback to address deficiencies and enhance operational efficiency.

Workshop Objectives

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

- Understand maintenance processes, types, and planning.
- Acquire skills to improve maintenance practices.
- Develop and implement preventive maintenance plans linked to spare parts inventory.
- Increase operational efficiency and extend equipment life cycles.
- Reduce repair times through effective strategies.
- Apply optimal approaches for implementing maintenance activities.
- Select and adopt the most suitable maintenance strategies for the organization.
- Prepare performance evaluation reports and provide recommendations for continuous improvement.

Target Audience

This workshop is designed for:

- Managers and supervisors in maintenance and technical departments.

- Department heads and executives responsible for operations and maintenance.
- Engineers and technicians working in maintenance, production, and operations.
- Decision-makers in industrial and service sectors.
- Business owners in production, procurement, and technical support.
- Anyone seeking to develop their practical skills in maintenance management.

Workshop Outline 7 Days

Day 1: Introduction to Maintenance Management

- Definition and importance of maintenance.
- Duties and responsibilities of the maintenance department.
- Difference between operational and strategic maintenance.
- Organizing the maintenance department and its role in institutional performance.

Day 2: Maintenance Strategies and Methods

- Types and methods of maintenance corrective - preventive - predictive - proactive.
- Scientific foundations and methodologies of maintenance.
- Modern approaches to extending mean time between failures MTBF.
- Methods to reduce downtime and improve availability.

Day 3: Preventive and Corrective Maintenance

- Preventive maintenance based on time and condition.
- Corrective and proactive maintenance.
- Developing preventive maintenance plans.
- Preparing daily maintenance cards and scheduling weekly, monthly, and annual activities.

Day 4: Maintenance Planning and Time Management

- Principles of designing an integrated maintenance program.

- Tools for planning and scheduling maintenance activities.
- Developing annual maintenance schedules.
- Effective steps for applying maintenance programs in organizations.

Day 5: Spare Parts Inventory Management

- Importance of spare parts inventory for operational continuity.
- Methods for determining appropriate stock levels.
- Techniques for monitoring inventory and cost control.
- Information systems to support inventory management decisions.

Day 6: Maintenance Evaluation and Performance Measurement

- Quantitative and qualitative indicators for performance measurement.
- Key factors for evaluating maintenance effectiveness.
- Preparing comprehensive maintenance reports.
- The role of feedback in continuous performance improvement.

Day 7: Practical Applications and Closing

- Case study from participants' work environments.
- Identifying strengths and weaknesses in maintenance activities.
- Strategic recommendations for developing maintenance systems.
- Final workshop: Preparing a realistic improvement plan for organizational maintenance.

Registration form on the Training Course: Workshop on Advanced Systems for Maintenance Planning, Monitoring, and Evaluation

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