

€ TRAINING

Strategic Maintenance Planning



28 July - 1 August 2025
Rome (Italy)



Strategic Maintenance Planning

REF: ST381 DATE: 28 July - 1 August 2025 Venue: Rome (Italy) - Fee: 5940 Euro

Introduction:

This training program is specifically designed to equip participants with the skills and strategies needed for effective strategic maintenance planning. It emphasizes the integration of maintenance planning with organizational strategic goals to enhance operational reliability and efficiency.

Program Objectives:

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

- Understand the principles of strategic maintenance planning.
- Develop maintenance strategies that align with long-term business objectives.
- Implement predictive and preventive maintenance plans to minimize downtime.
- Utilize technology and data analytics for maintenance optimization.
- Evaluate the effectiveness of maintenance strategies and make necessary adjustments.

Targeted Audience:

- Maintenance Managers.
- Facilities Managers.
- Operations Managers.
- Reliability Engineers.
- Plant Managers.

Program Outline:

Unit 1:

Fundamentals of Strategic Maintenance Planning:

- Defining strategic maintenance and its importance to organizational success.
- Overview of maintenance management frameworks and standards.
- Integrating maintenance planning with business strategy.

- Developing a maintenance policy that supports organizational objectives.
- Setting and prioritizing maintenance goals and objectives.

Unit 2:

Designing Effective Maintenance Strategies:

- Approaches to maintenance: preventive, predictive, and corrective.
- Techniques for risk assessment and management in maintenance planning.
- Selecting appropriate maintenance strategies for different types of assets.
- Role of Reliability Centered Maintenance RCM in strategic planning.
- Utilizing decision-making tools to enhance maintenance effectiveness.

Unit 3:

Implementation of Maintenance Plans:

- Operationalizing maintenance strategies through detailed planning and scheduling.
- Resource allocation: manpower, materials, and tools.
- Approaches for Implementing maintenance software systems and technology solutions.
- Importance for Training and competency development for maintenance teams.
- Establishing communication protocols for effective coordination.

Unit 4:

Technology and Innovation in Maintenance:

- Leveraging technology to streamline maintenance processes.
- The impact of the Internet of Things IoT and artificial intelligence on maintenance.
- Methods of Implementing condition monitoring and diagnostics tools.
- Advances in maintenance robotics and automation.
- Case studies on technological innovations in maintenance.

Unit 5:

Monitoring, Evaluation, and Continuous Improvement:

- Key Performance Indicators KPIs for maintenance effectiveness.
- Techniques for tracking and analyzing maintenance data.
- Regular reviews of maintenance strategy and performance.
- Continuous improvement methodologies in maintenance management.
- Strategies for adaptive maintenance planning in response to operational feedback.