MERCURY

Advanced Maintenance Planning Course

7 – 11 March 2027
Cairo (Egypt)



Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

MERCURY

Advanced Maintenance Planning Course

Ref: 15276_260662 **Date:** 7 – 11 March 2027 **Location:** Cairo (Egypt) **Fees:** 4000 Euro

Introduction:

Maintenance is a high-leverage contributor to business profitability through its impact on equipment capacity, product quality, safety, health, and the environment, as well as on production costs. The results and benefits of implementing a world-class maintenance operation should yield significant improvements in plant profitability, as well as intangible benefits such as enhanced customer satisfaction, employee pride, and vendor relations.

Maintenance planning is fundamental to the success of operations. If you aim to build a world-class enterprise, the maintenance organization and strategy play a critical role in this mission. Driven by business goals, such a strategy cannot be seen as separate from other functions but rather as an intrinsic part of a comprehensive approach to high-performance operations.

The business goals will place organizational and technical demands on the enterprise. The strategy, therefore, has to integrate and guide the implementation of technical and managerial strategies at all organizational and process levels. The strategy/philosophy must represent the very best technology, procedures, and practices available, relevant to the organization's business goals.

Participants in this Advanced Maintenance Planning training will understand that strategy must define the processes/procedures/practices required to achieve the highest possible degree of maintenance management and maintenance effectiveness, whilst minimizing the total life-cycle costs of new assets and current operating costs of existing assets.

Targeted Groups:

This Advanced Maintenance Planning course is for those involved in planning, supervising, or managing maintenance activities who are also interested in learning more about the critical role of maintenance within a company.

Course Objectives:

At the end of this Advanced Maintenance Planning course, the participants will be able to:

- Gain an understanding of the critical contribution to be made by maintenance to the achievement of business objectives.
- Learn how to establish a strategic framework for effective maintenance management.
- Understand the roles, processes, and procedures to ensure organizational effectiveness.
- Learn to establish parameters for measuring management and technical performance at all organizational levels.
- Improve overall equipment performance, while ensuring long-term asset health.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

MERCURY

Targeted Competencies:

By the end of this Advanced Maintenance Planning training, the participant's competencies will:

- Maintenance Planning.
- Maintenance theory and practice.
- Maintenance work processes.
- Influence and communication skills.
- Financial evaluation.
- Safety theories and principles.
- Performance management.

Course Content:

Unit 1: Maintenance Objectives and Strategy:

- Changes of relevance to Maintenance.
- Role of Maintenance in Modern Business.
- Reducing Costs and Improving Performance.
- What is the actual Downtime Cost?
- Maintenance Cost and Value.
- Bottom-line Benefits.
- Maintenance evolution - history and modern thinking.
- Brief Historical Overview of Maintenance.
- Maintenance Types.
- Maintenance Plan.
- World-Class Reliability and Maintenance.

Unit 2: World-Class Standards - Comparing Your Plant With The Best:

- Benchmarking and Maintenance Performance Assessment.
- Maintenance Self-Assessment.
- Managing and Measuring Progress to Excellence.
- Overall Equipment Effectiveness.

Unit 3: Implementing New Management Approaches:

- Failure Management Programme RCM.
- Total Productive Maintenance TPM.
- Life-Cycle Costing.
- Getting the best from your CMMS.
- Computerized Maintenance Management.
- Why CMMS Implementation Fails.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Unit 4: Optimising Maintenance Organization:

- Operations Excellence.
- Operations + Maintenance = Production.
- Can Operations Manage Maintenance?
- A Driving Lesson for Operations and Maintenance.
- 70/30 Phenomenon.
- Contract Maintenance or not?
- Maintenance Management Legends.

Unit 5: Maintenance Planning and Control:

- Maintenance workflow process.
- Work requests and work orders.
- Work planning and scheduling.
- Backlog management.
- Resource management.
- Spare parts management.
- Maintenance master budget.
- Capital budgeting.
- Maintenance initiatives.
- Replacement analysis of assets.
- Maintenance operating budget.
- Innovation and creativity.

Conclusion:

Upon completion, individuals may have the opportunity to seek Advanced Maintenance Planning certification, helping them to leverage the benefits of maintenance planning and sustain more effective maintenance practices throughout their organizations