



Maintenance & Reliability Management

Strategic Maintenance Planning and Management

Course Introduction

Effective maintenance management is a vital component of operational excellence, influencing equipment availability, product quality, safety, and overall cost efficiency. A well-executed maintenance strategy directly contributes to business profitability by minimizing downtime, optimizing asset performance, and extending the lifespan of equipment.

This course is designed to equip participants with the skills and knowledge necessary to develop and implement a comprehensive maintenance strategy aligned with business goals. By integrating technical and managerial strategies across all levels, this program will guide you toward achieving world-class maintenance standards, enhancing customer satisfaction, employee engagement, and vendor relationships.

Target Audience

- Facilities Specialist / Coordinator and Engineers
- Health and Safety Specialist / Coordinator and Engineers
- Maintenance Specialist / Coordinator and Engineers
- Maintenance Helper / Assistant
- Maintenance Superintendent
- Maintenance Supervisor
- Mechanical Reliability Engineer
- Network Reliability Engineer
- Operations and Maintenance Specialist
- Reliability Engineer

Learning Objectives

- Understand the strategic role of maintenance in achieving business objectives.

- Develop a framework for effective maintenance management aligned with organizational goals.
- Learn best practices for optimizing maintenance processes to ensure operational efficiency.
- Measure and evaluate the impact of maintenance strategies on organizational performance.
- Enhance equipment performance and ensure the long-term health of assets.

Course Outline

• 01 DAY ONE

Understanding the evolving role of maintenance in modern business.

- Aligning maintenance objectives with organizational goals.
- Reducing costs and improving performance through strategic maintenance.
- Analyzing the true cost of downtime and its impact on profitability.
- Exploring maintenance types and their application in a world-class maintenance plan

• 02 DAY TWO

Benchmarking and Performance Assessment

- Assessing maintenance performance against world-class standards.
- Conducting maintenance self-assessments and identifying areas for improvement.
- Utilizing benchmarking tools to measure progress toward excellence.
- Understanding and applying Overall Equipment Effectiveness (OEE) metrics.

• 03 DAY THREE

Implementing Advanced Maintenance Approaches

- Introduction to Failure Management Programs, including Reliability-Centered Maintenance (RCM).
- Exploring Total Productive Maintenance (TPM) and its impact on productivity.
- Life-Cycle Costing: Managing assets for long-term value.
- Maximizing the benefits of Computerized Maintenance Management Systems (CMMS).

- Addressing common challenges and pitfalls in CMMS implementation.

• 04 DAY FOUR

Optimizing Maintenance Organization

- Driving operational excellence through maintenance optimization.
- The synergy between operations and maintenance: A collaborative approach.
- Managing maintenance within operations: A shared responsibility.
- Evaluating the pros and cons of contract maintenance.
- Understanding the 70/30 phenomenon and its implications for maintenance management.

• 05 DAY FIVE

Achieving Best Practices in Maintenance

- Developing a framework for implementing best practices in maintenance.
- Analyzing case studies to learn from successful maintenance strategies.
- Applying the knowledge gained to enhance maintenance management within your organization.
- Discussing future trends and innovations in maintenance management.

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 5, 2025	May 9, 2025	5 days	5950.00 \$	switzerland - Geneva
Sept. 1, 2025	Sept. 5, 2025	5 days	4250.00 \$	UAE - Dubai
Dec. 1, 2025	Dec. 5, 2025	5 days	4250.00 \$	UAE - Dubai
Sept. 7, 2025	Sept. 11, 2025	5 days	4250.00 \$	UAE - Dubai