



Maintenance & Reliability Management

Certified Advanced Maintenance Management

Course Introduction

Certified Advanced Maintenance Management training focuses on the strategic and operational aspects of managing maintenance in organizations. Effective maintenance management is crucial to maximizing equipment reliability, reducing downtime, and improving overall productivity. By implementing advanced strategies and techniques, maintenance managers can ensure that assets perform at their best, leading to significant cost savings and enhanced operational performance.

This program covers the latest methodologies in maintenance planning, performance measurement, predictive maintenance, and continuous improvement. Participants will learn how to optimize maintenance operations, apply industry best practices, and measure success through KPIs.

Target Audience

This course is designed for maintenance managers, engineers, and supervisors responsible for the management, optimization, and improvement of maintenance programs within their organizations.

Learning Objectives

- Understand the key principles and practices of advanced maintenance management.
- Learn how to develop and implement effective maintenance strategies and plans.
- Gain expertise in measuring and analyzing maintenance performance using KPIs.

- Understand how to implement and benefit from predictive maintenance techniques.
- Learn how to optimize maintenance operations and foster a culture of continuous improvement.

Course Outline

• 01 DAY ONE

Introduction to Advanced Maintenance Management

- Overview of advanced maintenance management principles
- Key differences between basic and advanced maintenance strategies
- Importance of aligning maintenance strategies with business goals
- Role of maintenance in enhancing asset life and operational efficiency
- Understanding the lifecycle of maintenance activities
- Strategic decision-making in maintenance management
- Common challenges and barriers to effective maintenance management

• 02 DAY TWO

Maintenance Strategy and Planning

- The importance of strategic maintenance planning
- Key steps in developing a maintenance strategy
- Types of maintenance strategies: corrective, preventive, predictive, and proactive
- How to assess and prioritize equipment for maintenance
- Developing maintenance schedules and task allocation
- Integrating maintenance planning with production and operations
- Monitoring and adjusting maintenance strategies for effectiveness

• 03 DAY THREE

Maintenance Performance Measurement and KPIs

- Understanding key performance indicators (KPIs) for maintenance management
- How to establish and track relevant KPIs (e.g., downtime, cost per unit, MTTR)
- Methods for analyzing and interpreting maintenance performance data
- Creating performance dashboards and reports for management
- Benchmarking maintenance performance against industry standards

- Identifying and addressing performance gaps in maintenance operations
- Continuous improvement through data-driven decision-making

• 04 DAY FOUR

Implementing Predictive Maintenance Techniques

- Introduction to predictive maintenance and its benefits
- Technologies and tools used in predictive maintenance (IoT, AI, sensors, etc.)
- How to collect and analyze data for predictive maintenance
- Implementing condition-based monitoring and failure prediction models
- Identifying critical assets for predictive maintenance
- Integrating predictive maintenance with existing maintenance strategies

• 05 DAY FIVE

Maintenance Management Optimization and Continuous Improvement

- How to optimize maintenance processes for efficiency and cost-effectiveness
- The role of reliability-centered maintenance (RCM) in optimization
- Creating a culture of continuous improvement in maintenance
- Techniques for reducing downtime and improving asset reliability
- Managing spare parts inventory and procurement effectively
- Best practices for workforce training and development in maintenance
- Aligning maintenance optimization with overall business objectives

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 23, 2025	June 27, 2025	5 days	4250.00 \$	UAE - Dubai
Aug. 18, 2025	Aug. 22, 2025	5 days	5950.00 \$	USA - Los Angeles
Dec. 28, 2025	Jan. 1, 2026	5 days	4250.00 \$	KSA - Riyadh

