



Maintenance & Reliability Management

Maintenance Quality Systems Management

Course Introduction

This comprehensive **5-day** training program is designed to equip participants with the knowledge and skills required to implement and manage Maintenance Quality Systems successfully.

The program will delve into key aspects of maintenance, covering maintenance processes, quality control and assurance, risk management, performance metrics, regulatory compliance, and more. Participants will gain insights into industry best practices, international standards such as ISO 55000, and the latest advancements in maintenance management systems.

Target Audience

- Maintenance Managers and Engineers
- Reliability Engineers
- Asset Management Professionals
- Quality Assurance / Quality Control Professionals (QA/QC)
- Operations and Production Supervisors
- EHS and Compliance Officers
- Maintenance Planners and Schedulers
- Technical Training & HR Development Specialists
- Industrial Engineers and Plant Managers

Learning Objectives

- Understand the fundamental concepts, principles, and importance of maintenance quality systems in industrial operations.
- Identify, analyze, and optimize critical maintenance processes to enhance overall asset reliability and efficiency.
- Learn to choose and integrate effective Maintenance Management Systems, ensuring seamless coordination between maintenance activities and organizational objectives.
- Implement quality control measures and conduct audits to ensure adherence to maintenance quality standards and continuous improvement.
- Identify and assess risks associated with maintenance activities, develop mitigation strategies, and establish robust contingency plans.
- Employ key performance indicators and metrics to measure, analyze, and enhance maintenance performance, with a focus on Overall Equipment Effectiveness (OEE).
- Gain insights into regulatory requirements impacting maintenance operations, develop compliance strategies, and maintain documentation for audits.
- Understand the importance of skill development in maintenance personnel, design effective training programs, and foster a culture of continuous learning within the organization.
- Improve communication within maintenance teams, foster collaboration with other departments, and understand the significance of cross-functional teams in achieving maintenance goals.

Course Outline

• 01 DAY ONE

Introduction to Maintenance Quality Systems Management

- Overview of Maintenance Quality Systems
- Importance of Quality in Maintenance
- Key Concepts and Definitions

- Introduction to ISO 55000 and other relevant standards

Understanding Maintenance Processes

- Identifying Critical Maintenance Processes
- Process Mapping and Analysis
- Reliability Centered Maintenance (RCM)
- Failure Modes and Effects Analysis (FMEA)

• 02 DAY TWO

Implementing a Maintenance Management System

- Choosing a Maintenance Management System (MMS)
- Integration with Enterprise Asset Management (EAM) systems
- Software Selection and Implementation Best Practices
- Data Management and Documentation

Quality Control and Assurance in Maintenance

- Quality Control vs. Quality Assurance
- Implementing Quality Control Measures in Maintenance
- Auditing Maintenance Processes
- Continuous Improvement in Maintenance Quality

• 03 DAY THREE

Risk Management in Maintenance

- Identifying and Assessing Risks
- Risk Mitigation Strategies
- Emergency Response and Contingency Planning

- Case Studies and Best Practices

Maintenance Performance Metrics

- Key Performance Indicators (KPIs) for Maintenance
- Measuring Overall Equipment Effectiveness (OEE)
- Benchmarking and Performance Improvement
- Reporting and Analysis

• 04 DAY FOUR

Regulatory Compliance in Maintenance

- Understanding Regulatory Requirements
- Compliance Audits and Inspections
- Documentation for Regulatory Compliance
- Case Studies on Regulatory Challenges

Training and Development in Maintenance

- Importance of Skill Development in Maintenance
- Training Programs for Maintenance Personnel
- Certification and Qualification Programs
- Creating a Culture of Continuous Learning

• 05 DAY FIVE

Communication and Collaboration in Maintenance

- Effective Communication within Maintenance Teams
- Collaborating with Other Departments
- Cross-functional Teams and Project Management
- Case Studies on Successful Collaboration
- Practical Application.

Confirmed Sessions

FROM	TO	DURATION	FEE\$	LOCATION
April 27, 2025	May 1, 2025	5 days	2150.00 \$	Virtual - Online
June 23, 2025	June 27, 2025	5 days	4950.00 \$	England - London
Aug. 4, 2025	Aug. 8, 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 \$	KSA - Riyadh