€TRAINING

Quality Assurance in Maintenance and Engineering

8 - 12 December 2024
Manama (Bahrain)
Fraser Suites Seef Bahrain

Quality Assurance in Maintenance and Engineering

REF: A855 DATE: 8 - 12 December 2024 Venue: Manama (Bahrain) - Fraser Suites Seef Bahrain Fee: 4925 Euro

Introduction:

This training program is designed to equip professionals with the knowledge and skills needed to implement quality assurance practices in maintenance and engineering operations. It empowers them to drive excellence and continuous improvement in maintenance and engineering operations.

Program Objectives:

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

- Understand the principles and importance of quality assurance in maintenance and engineering.

- Develop and implement quality assurance plans and procedures tailored to maintenance and engineering activities.

- Conduct thorough quality inspections and audits to assess compliance and identify improvement opportunities.

- Implement corrective and preventive actions to address quality issues and prevent recurrence.

- Foster a culture of continuous improvement in maintenance and engineering operations.

Targeted Audience:

- Maintenance managers and supervisors.

- Engineering managers and professionals.

- Quality assurance personnel specializing in maintenance and engineering.

- Technicians and maintenance personnel.

- Professionals seeking to enhance their skills in quality assurance within maintenance and engineering domains.

Program Outlines:

Unit 1:

Introduction to Quality Assurance in Maintenance and Engineering:

- Overview of quality assurance principles and their application in maintenance and engineering.

- Understanding the role of quality assurance in ensuring reliability, safety, and efficiency.

- Key principles and objectives of quality assurance in maintenance and engineering operations.

- The relationship between quality assurance, maintenance practices, and engineering standards.

- Case studies and examples of successful quality assurance initiatives in maintenance and engineering.

Unit 2:

Developing Quality Assurance Plans and Procedures:

- Steps to develop a comprehensive quality assurance plan tailored to maintenance and engineering activities.

- Identifying quality assurance objectives, criteria, and performance indicators.

- Creating inspection schedules and checklists for different maintenance and engineering tasks.

- Preparing documentation and tools for quality inspections and audits.

- Aligning quality assurance plans with regulatory requirements and industry standards.

Unit 3:

Conducting Quality Inspections and Audits:

- Planning and preparing for quality inspections and audits, including safety considerations.

- Techniques for gathering and analyzing quality-related data and evidence.

- Conducting on-site inspections and audits of maintenance activities and engineering projects.

- Identifying non-conformities and areas for improvement in maintenance and engineering practices.

- Documenting inspection findings and compiling audit reports for management review.

Unit 4:

Implementing Corrective and Preventive Actions:

- Analyzing inspection findings and identifying root causes of quality issues.

- Developing corrective and preventive action plans to address identified issues.

- Implementing corrective actions to resolve immediate quality concerns.

- Establishing preventive measures to prevent recurrence of quality issues.

• Monitoring the effectiveness of corrective and preventive actions and adjusting plans as needed.

Unit 5:

Continuous Improvement in Maintenance and Engineering Operations:

- Establishing mechanisms for continuous improvement in maintenance and engineering practices.

- Engaging maintenance and engineering teams in quality improvement initiatives.

- Utilizing data and metrics to track quality performance and identify improvement opportunities.

- Integrating quality assurance into broader organizational improvement efforts.

- Fostering a culture of excellence and accountability in maintenance and engineering operations.