

Training
Course

**Production Quality & Process
Troubleshooting**



Course Plan

Introduction

The Production Quality and Process Troubleshooting course is designed to equip professionals with the essential knowledge and skills needed to ensure high-quality production outcomes. Over five days, participants will explore the critical elements of quality management, delve into process improvement techniques, and learn effective troubleshooting strategies. Set in the dynamic city of Dubai, this course offers a blend of theoretical knowledge and practical application, enabling participants to drive excellence in production environments.

Course Objectives:

- ✓ **Understanding Quality Management Systems:** Provide participants with a deep understanding of quality management principles and their practical application in production settings.
- ✓ **Process Improvement Techniques:** Introduce key methodologies, such as Lean Manufacturing and Six Sigma, to identify inefficiencies and enhance production processes.
- ✓ **Root Cause Analysis:** Equip participants with the tools and techniques necessary for identifying and resolving root causes of production issues.
- ✓ **Implementing Troubleshooting Strategies:** Teach effective troubleshooting methods to address production challenges quickly, ensuring consistent quality.



- ✓ Best Practices in Production Quality Control: Share industry standards and best practices to maintain and improve production quality, aligning with organizational goals.
- ✓ Practical Application: Reinforce learning through hands-on exercises and case studies, ensuring participants can apply their skills in real-world scenarios

Who Should Attend?

- This course is ideal for production managers, quality assurance professionals, process engineers, and anyone responsible for maintaining and improving production quality. It is also suitable for those looking to deepen their understanding of quality management systems and troubleshooting techniques within a production environment.

Training Methods:

- ✓ Online Video material.
- ✓ Presentation.
- ✓ Live Interactive sessions.
- ✓ Course presenter will make extensive use of all tools that will be needed for the virtual environment.
- ✓ Questions & Answers
- ✓

Course Outline:

Day One

Introduction to Quality Management Systems

- Overview of Quality Management
- Key Quality Standards and Regulations
- Setting Quality Objectives for Production

Day Two

Process Improvement Techniques

- Lean Manufacturing Principles
- Six Sigma Basics
- Value Stream Mapping
- Identifying and Eliminating Waste in Production Processes

Day Three

Root Cause Analysis

- Introduction to Root Cause Analysis
- Tools for Identifying Root Causes (Fishbone Diagram, 5 Whys, etc.)
- Case Studies and Practical Exercises

Day Four

Troubleshooting in Production Processes

- Common Production Issues and Their Causes
- Developing a Troubleshooting Plan
- Rapid Response Techniques
- Real-time Troubleshooting Simulations

Day Five

Best Practices and Implementation

- Implementing Quality Improvements
- Monitoring and Auditing Production Quality
- Continuous Improvement Strategies
- Review and Final Case Study

Training Details

Course Duration	5 Days
Pre-Schedule	25 – 29 Nov 2024
Venue	Dubai – The H hotel
Training Fees Per Person	KWD 1250 (One Thousand Two Hundred Fifty)
Course Fees Include	<ul style="list-style-type: none"> ✓ Tuition documentation ✓ Curriculum and Training Handout ✓ Five Star Lunch ✓ Completion Certificates