



## Manufacturing Excellence

15 - 19 Jul 2024  
Boston (USA)



# Manufacturing Excellence

**Ref.:** 15365\_311870 **Date:** 15 - 19 Jul 2024 **Location:** Boston (USA) **Fees:** 9000 **Euro**

## Introduction:

Building Manufacturing Excellence into the Process Industry has been designed to explain the main factors of operational excellence and how to build them into a coherent improvement program for the process industry. The latest tools and techniques are introduced and explained with a minimum of jargon so that delegates can see how to use them in their situation.

## Targeted Groups:

- Operations Professionals
- Process Professionals
- Reliability & Maintenance Professionals
- Safety Professionals
- Other professionals involved in process improvement

## Course Objectives:

- Describe how to apply the total quality management TQM approach to drive quality excellence within your organization
- Analyze manufacturing systems against best practices, acquiring relevant techniques in setting up a world-class quality system
- Discuss the various frameworks, standards, models and techniques that will enable you to build a productive and cost-efficient manufacturing system
- Evaluate and eliminate non-value activities that hinders process and material flow in manufacturing processes
- Identify all the various dimensions and principles of quality management
- Explain various concepts and techniques required for problem-solving and process improvement

## Course Content:

### Unit 1: Operational Excellence Fundamentals

- Operational Excellence: Finding Hidden Opportunities in Your Organization
- Problem Solving & Root Cause Analysis
- Waste Reduction
- Standard Work & Process Mapping

### Unit 2: Operational Excellence Core Tools

- Principles of Lean Manufacturing Workshop with Simulation
- Value Stream Management
- Problem Solving & Root Cause Analysis

- Workplace Organization 5S & Visual Management
- Changeover Reduction
- Total Productive Maintenance
- Error Proofing
- Effective Kaizen Events
- Cellular Manufacturing

### **Unit 3: Quality System Fundamentals**

- Quality System Executive
- Quality System Fundamentals for the Non-Quality Professional
- Quality Management System Internal Auditor
- ISO 9001-2015
- AS9100 rev D
- IATF 16949-2016
- ISO 13485-2016

### **Unit 4: Quality Management System Core Tools**

- Advanced Product Quality Planning
- Production Part Approval Process
- Process Failure Mode & Effects Analysis
- Measurement System Analysis
- Statistical Process Control

### **Unit 5: Quality Inspector/Technician**

- Problem Solving & Root Cause Analysis
- Statistics and Process Control
- Metrology and Gage Repeatability and Reproducibility



**Registration form on the :  
Manufacturing Excellence**

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Complete & Mail or fax to Mercury Training Center at the address given below

**Delegate Information**

Full Name (Mr / Ms / Dr / Eng):

Position:

Telephone / Mobile:

Personal E-Mail:

Official E-Mail:

**Company Information**

Company Name:

Address:

City / Country:

**Person Responsible for Training and Development**

Full Name (Mr / Ms / Dr / Eng):

Position:

Telephone / Mobile:

Personal E-Mail:

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