



Manufacturing Excellence



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Introduction:

Building Operational 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

Conference 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

Conference Content:

Unit 1: Operational Excellence Fundamentals

- Operational Excellence: Finding Hidden Opportunities in Your Organization
- Problem Solving & Root Cause Analysis
- Introduction to 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
- Introduction to Statistics and Process Control
- Metrology and Gage Repeatability and Reproducibility