MERCURY

Troubleshooting Process Operation Course

19 – 23 July 2027
Milan (Italy)



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Troubleshooting Process Operation Course

Ref: 9256_277875 **Date:** 19 – 23 July 2027 **Location:** Milan (Italy) **Fees:** 7200 Euro

Introduction:

This troubleshooting process operation course will enable delegates to remain abreast of the latest researched trends, techniques, and strategies to improve the condition and performance of their operational process. This hands-on intervention will equip you with the necessary basic knowledge and skills to optimize the operation's function, daily running, and maintenance, such as demographics, infrastructure, systems, and plants.

Delegates will learn and review the core competencies required for successfully operating and implementing an effective operations process during the current global economic downturn. Participants in this troubleshooting process operation course will enhance their problem-solving skills and serve as an action plan for improvement. Setting the correct priorities and doing the right thing makes all the difference to your performance.

Troubleshooting Process:

In this troubleshooting training course, participants will explore the fundamentals and methodologies of the troubleshooting process. What is the troubleshooting process? It includes systematically diagnosing and rectifying unexpected issues or failures in the operating system and other operational facets.

Participants in this process troubleshooting and operation training will delve into your troubleshooting process question, gaining a thorough understanding through practice scenarios that mimic real-world troubleshooting process operations.

Targeted Groups:

- Engineering and Technical Managers and Supervisors from Any Industry.
- Maintenance Planners and Coordinators.
- Operations and Manufacturing Managers and Supervisors.
- Foremen and Team leaders.
- Plant Engineers and Process System Managers.
- Section Engineers and Planners.

Course Objectives:

At the end of this troubleshooting process operation course, the participants will be able to:

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- Gain a broad understanding and appreciation of the core functional aspects of how an effective operational process should operate.
- Review the six standard maintenance improvement tactics and their selection technique to ensure reliable process plant and equipment.
- Learn how to develop a comprehensive operational process resource and support system analysis.
- Understand the principles of an operational audit and develop your process standard.
- Gain insight and understanding into the unique leadership and motivation principles required for technical process operation and management.

Targeted Competencies:

- Terminologies 112 Tools and Techniques for RCFA.
- A Modern Holistic Approach to Understanding the Operational Process.
- Process Maturity Indexing Planning and Protocols.
- Exact Performance Measurement and Performance Management Modeling.
- More than One Hundred "Human Factors" as a Source of Error.

Advantages of Interpersonal Skills in the Troubleshooting Operation:

This troubleshooting training course will explore how strong interpersonal skills can significantly benefit troubleshooting within an operation. These skills facilitate more effective communication between team members and enhance the ability to negotiate solutions and work collaboratively during troubleshooting operations.

By integrating these advantages effectively, participants can expect to see a notable impact on their overall troubleshooting effectiveness, fostering an environment conducive to efficiency and problem resolution.

Course Content:

Unit 1: Review of Basic Modern Operations Practice:

- Review of Modern Operational Practice in the light of the Global Economic Recession.
- Integration of Maintenance and Production to Establish a World Class Operations Department.
- Generic Performance Measurement Model using a 6-Point Scale.
- Combine the parameters of speed quality and cost in maintenance performance measurement.
- Learn about The 10-Point Plan Standard and the Role of the Plan Department.
- Variability Analysis.
- Develop Effective Strategies for the Operational Process to achieve organizational excellence and continuous improvement.

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Unit 2: Standard Maintenance Improvement Initiatives:

- Select the "Correct" maintenance tactic mix.
- Reliability Centered Maintenance RCM.
- Total Productive Maintenance TPM.
- Run To Failure RTF.
- Condition Based Maintenance CBM.
- Time-Based Maintenance TBM.
- Skills Level Upgrade SLU.
- Design Out Maintenance DOM.

Unit 3: Operational Resource Analysis:

- A "Blueprint" for Effective Operational Practice.
- Resource and Support System Analysis with "Gap Analysis."
- Leadership Development and Motivation of Operations Employees.
- The PAS 55 Maintenance Process Standard.
- Principles of Information Management.
- Training, Awareness, and Competence.

Unit 4: Problem-Solving in the Operations Environment:

- Risk Identification, Assessment, and Control.
- Theory of Inventive Problem-Solving.
- Problem Solving Techniques and Application.

Unit 5: Scenario Analysis and Action Plan Development:

- Relationships Scenario Analysis.
- Assessment Assignment.
- Scoring of your Operational Process.
- Understand the complexity.