Operational Excellence in the Process Industry Mastery

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Bordeaux (France)

UK Traininig
PARTNER



Operational Excellence in the Process Industry Mastery

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Course Description

This comprehensive 1-week course provides strategies for developing operational excellence to improve business processes, safety, and culture in the process industry. Participants will explore best practices in safety, risk, reliability, and quality management while learning from High-Reliability Organizations HROs. The course covers key aspects of operational excellence, from safety systems to plant reliability and performance metrics.

Learning Objectives

- Describe best practices for achieving operational excellence in process industries
- Identify and mitigate technical and human risks in operations
- Develop a customized operational improvement plan addressing significant risks
- Apply benchmarking techniques to generate meaningful performance metrics
- Design an effective action plan to implement operational excellence across the organization

Course Modules

Day 1: Safety Systems and Risk Management

- Principles of safety-first culture
- Behavioral safety strategies
- Safety systems Permit to Work, HAZOP
- Comprehensive risk assessment techniques

Day 2: Ensuring Operational Continuity

- Plant reliability fundamentals
- Maintenance strategies and best practices
- Asset integrity management
- Reliability-centered maintenance RCM

Day 3: Quality Management and Continuous Improvement

- Total Quality Management TQM principles
- Six Sigma methodology in process industries
- Lean manufacturing concepts
- Kaizen and continuous improvement culture



Day 4: Performance Metrics and Benchmarking

- Key Performance Indicators KPIs for process industries
- Benchmarking techniques and best practices
- Data analysis and visualization
- Performance improvement action planning

Day 5: Leadership and Culture for Operational Excellence

- Leadership strategies for driving excellence
- Change management in process organizations
- Building a culture of operational discipline
- Sustaining operational excellence initiatives

Practical Wins for Participants

- Develop a tailored operational excellence roadmap for their organization
- Create a risk assessment and mitigation plan for a critical process
- Design a set of relevant KPIs to measure operational performance
- Outline a leadership strategy to foster a culture of continuous improvement

