



Building Operational Excellence in Process Industry Training Course

7 – 11 March 2027
Cairo (Egypt)



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Introduction

The process industry is capital-intensive and is characterized by solid and relentless international competition. Certain operations and processes are also high risk. This operational excellence in process industry course means that process companies need to be on top of their game if they wish to survive and grow in these challenging conditions.

Building operational excellence in the process industry has been designed to explain the main factors of operational excellence and how to make 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.

Pursuing a master of business operational excellence or an operational excellence master's degree can be a transformative journey for professionals seeking to improve their skills and leadership capabilities. This operational excellence in process industry course serves as a building block for those interested in progressing toward such certifications.

By enhancing operational efficiencies, reducing risks, and promoting a culture of continuous improvement, delegates will be well-prepared for advanced studies and the pursuit of an operational excellence certification course.

Understanding Operational Excellence

Operational excellence is not just a buzzword. It encompasses a fundamental mindset and approach to ensuring that organizations perform at their very best. Mastering operational excellence involves a deep understanding of how processes, people, and strategies align to deliver optimal performance. Achieving operational excellence certification reflects a commitment to continuous improvement and a drive to master business fundamentals that increase organizational value.

This operational excellence training course aims to equip professionals with the knowledge and skills necessary to drive process improvement and build a culture of operational excellence within their organization. Participants will gain valuable insights into operational excellence processes and learn how to implement operational excellence process improvement strategies effectively.

In addition to the educational benefits, attending an operational excellence conference can be a pivotal moment for professionals to network, share best practices, and stay updated on industry trends. This operational excellence in process industry conference often serves as an invaluable resource for those looking to improve operational excellence in their respective fields.

Targeted Groups

- Operations Professionals.
- Process Professionals.
- Reliability and Maintenance Professionals.
- Safety Professionals.
- Other professionals are involved in process improvement.

Course Objectives

Participants of this operational excellence in process industry course will:

- Understand the best practice techniques for achieving operational excellence.
- Understand a range of technical and human risks and their implications for the operational organization.
- Design a tailored operational improvement plan for their organization that tackles the significant risk areas.
- Learn a practical approach to developing an action plan to utilize these technologies in their areas of responsibility, fitting them into the overall operations strategy, and measuring benefits.

Targeted Competencies

At the end of this operational excellence in process industry course, the target competencies will be able to:

- Understand safety, risk, and continuity of operations.
- People management.
- Plant reliability.
- Quality systems.
- Costing.

Course Content

Unit 1: Safety

- Safety first.
- Behavioral safety.
- Risk assessment.
- Understand permits to work, hazard and operability studies HAZOP, and other standard systems.
- Analyzing Near Misses, Incidents & Accidents
- Complete Safety Management System

Unit 2: Continuity of Operations - Plant Reliability

- Operational risks.
- Vulnerability and resilience assessment.
- Reliability improvement.
- Plant asset care.
- Develop the correct maintenance strategy.
- Agile manufacturing.

Unit 3: Quality

- Process control.
- Learn about Six Sigma: Minimizing the six losses and seven wastes.
- Continuous improvement model.
- Quality assurance.
- Standard Operating Procedures SOPs.
- Error proofing techniques.

Unit 4: Costing

- Cost systems.
- Lean manufacturing.
- Inventory control systems.
- Understand the life cycle approach to equipment selection.
- Asset management.
- Benchmarking.

Unit 5: People Management / Development

- Leadership.
- Empowerment and engagement.
- Change management.
- Performance management systems.
- Learn about skills and competency development.
- Problem-solving.