€TRAINING

Conference on Risk Assessment Within Production Operations

27 - 31 July 2025
Istanbul (Turkey)

Conference on Risk Assessment Within Production Operations

REF: C496 DATE: 27 - 31 July 2025 Venue: Istanbul (Turkey) - Fee: 5850 Euro

Introduction:

This conference is designed to provide participants with a comprehensive understanding of how to assess and manage risks within production operations. It covers essential risk assessment techniques, tools, and best practices, ensuring that production processes are optimized for safety, reliability, and efficiency.

Conference Objectives:

By the end of this conference, participants will be able to:

- Identify and assess risks in production environments.
- Implement risk control measures to minimize potential disruptions.
- Use risk assessment tools and techniques to improve operational safety.
- Develop contingency plans to manage and mitigate operational risks.
- Ensure compliance with safety and regulatory standards in production settings.

Target Audience:

- Operations Managers.
- Production Supervisors.
- Risk Management Professionals.
- Quality Assurance Managers.
- Safety Officers involved in production operations.

Program Outline:

Unit 1:

Introduction to Risk Assessment in Production:

- Understanding the concept of risk within production operations.
- Key factors that contribute to risks in production environments.
- The role of risk assessment in improving operational efficiency.

- The risk assessment process: identification, analysis, evaluation, and control.
- Best practices for integrating risk assessment into production management.

Unit 2:

Tools and Techniques for Risk Identification:

- Risk identification methods: checklists, audits, and historical data analysis.
- Using root cause analysis RCA to identify risk sources.
- Conducting hazard identification and risk assessments HIRA for production lines.
- The role of Failure Mode and Effects Analysis FMEA in risk identification.

Unit 3:

Evaluating and Quantifying Production Risks:

- Risk analysis techniques: qualitative vs. quantitative approaches.
- Using risk matrices to assess the likelihood and impact of risks.
- Prioritizing risks based on severity and likelihood.
- Evaluating risks associated with machinery, processes, and human factors.
- Cost-benefit analysis in evaluating risk control measures.

Unit 4:

Risk Control and Mitigation Strategies:

- Developing effective risk control measures for production operations.
- Importance of mplementing preventive maintenance programs to mitigate risks.
- Creating safety protocols and procedures to reduce operational hazards.
- The role of automation and technology in risk reduction.

Unit 5:

Compliance, Reporting, and Contingency Planning:

- Understanding regulatory and safety compliance in production environments.

- How to ensure compliance with local and international safety standards.
- Techniques for effective risk reporting and communication.
- Developing contingency plans for production disruptions and emergencies.
- Continuous improvement strategies for risk management.