

Strategic Implementation of Risk-Based Process Safety

Health & Safety
Accra (Ghana)
04 - 08 Aug 2025

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A close-up photograph of chess pieces on a checkered board. In the foreground, a large, ornate gold king piece stands prominently. To its left, a smaller silver pawn is visible. Further back, another silver pawn is positioned. The background features a series of concentric, light gray circles that create a sense of depth and focus on the king piece.

Strategic Implementation of Risk-Based Process Safety

Ref: 3273_137814 **Date:** 04 - 08 Aug 2025 **Location:** Accra (Ghana) **Fees:** 3300 **Euro**

Course Description

This intensive 5-day course provides a comprehensive understanding of Risk-Based Process Safety RBPS principles and their strategic implementation. Participants will learn to develop and maintain an effective process safety management system, focusing on risk-based decision-making and continuous improvement. The course covers all four pillars of RBPS, emphasizing practical application and real-world case studies.

Learning Objectives

- Understand the core principles and elements of Risk-Based Process Safety
- Develop strategies for implementing RBPS within your organization
- Learn to assess and manage process safety risks effectively
- Gain skills in fostering a strong process safety culture
- Master techniques for continuous improvement in process safety management

Course Modules

Day 1: Introduction to RBPS and Commitment to Process Safety

- Overview of Risk-Based Process Safety
- Process Safety Culture
- Compliance with Standards
- Workforce Involvement and Stakeholder Outreach

Day 2: Understanding Hazards and Risks

- Process Knowledge Management
- Hazard Identification Techniques
- Risk Analysis Methodologies
- Risk-Based Decision Making

Day 3: Managing Risk in RBPS

- Operating Procedures and Safe Work Practices
- Asset Integrity and Reliability
- Contractor Management
- Training and Performance Assurance

A graphic of a chessboard with several chess pieces, including a king, queen, and pawns, arranged on the board. The board is white and black, and the pieces are gold and silver.

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Day 4: Operational Readiness and Conduct of Operations

- Management of Change
- Operational Readiness
- Conduct of Operations
- Emergency Management

Day 5: Learning from Experience and Continuous Improvement

- Incident Investigation
- Measurement and Metrics
- Auditing Practices
- Management Review and Continuous Improvement

Practical Wins for Participants

- Develop a tailored RBPS implementation strategy for your organization
- Create a roadmap for enhancing process safety culture
- Design effective risk assessment and management protocols
- Establish a framework for continuous improvement in process safety

A graphic illustration of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a silver knight nearby. In the background, there are concentric circles emanating from a point, suggesting a strategic or analytical theme.

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