MERCURY

Process Safety Management Compliance Conference

4 – 8 July 2027
Cairo (Egypt)



Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

MERCURY

Process Safety Management Compliance Conference

Ref: 8174_247835 **Date:** 4 – 8 July 2027 **Location:** Cairo (Egypt) **Fees:** 3500 Euro

Introduction:

Most Process Organizations have implemented an integrated approach to managing health, safety, and environmental HSE risks through an HSE Management System. This process safety management compliance and standards program aims to highlight the benefits of such a system and its elements based on industry best practices.

This process safety management compliance and standards conference is designed to help delegates demonstrate compliance with the organization's HSE Management System, focus on risk management, and promote a positive safety culture.

What is Process Safety Management?

Process Safety Management PSM is a vital part of the HSE Management System, which focuses on preventing the release of any substance that could cause a significant safety threat. PSM embodies the integration of process safety management standards, requirements, and compliance guidelines to reduce the risk and impact of hazardous incidents within the processing industry.

Targeted Groups:

- Those needing to implement or maintain an effective PSM program.
- Those who will be leading compliance auditing and risk management program compliance efforts.
- Anyone who deals with industry regulators.

Conference Objectives:

At the end of this process safety management compliance and standards conference, the participants will be able to:

- Describe the company's HSE Management Systems.
- Demonstrate compliance with elements, sub-elements, and expectations of the HSE-MS.
- Understand the role of risk management in terms of risk assessment and incident investigation and analysis.
- Appreciate the role of human error in risk assessment and contribution to incidents.
- Identify weaknesses in the HSE-MS through analysis of root causes for incidents.
- Be familiar with the requirements of HSG65, BS 8800, OHSAS 18000, ISO 9000, and ISO 14000.
- Prepare action plans, setting targets, and measuring performance.
- Appreciate the value of promoting a positive safety culture within your organization.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Targeted Competencies:

At the end of this process safety management compliance and standards conference, the target competencies will:

- Appreciating the role and responsibilities within the HSE Management System.
- Enhancing the knowledge of elements, sub-elements, and expectations of the HSE-MS.
- Necessary skills in carrying out practical risk assessment and incident investigation and analysis.
- Developing a plan for promoting a positive safety culture.

Purpose of Process Safety Management Compliance and Standards:

The core purpose of process safety management is to develop a systematic approach to evaluating and controlling process safety risks within industrial and chemical process facilities. Understanding this purpose and implementing it is paramount to protecting the health and safety of employees and the public and preserving the environment.

Safety compliance standards refer to the regulatory requirements and voluntary guidelines that organizations must adhere to ensure safe operations. Compliance with these standards is critical, embodying what safety compliance means and being committed to operating responsibly and minimizing risks.

Conference Content:

Unit 1: Introduction to HSE Management Systems:

- Why we need the HSE Management System and what it is.
- Individual and organizational roles and responsibilities.
- What should the HSE Management System cover?
- Standards for HSE Management, including process safety management training.
- Integrating OHSAS 18000, ISO 14000, and ISO 9000.
- The role of safety culture.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Unit 2: Elements of HSE Management Systems:

- Types of HSE Management Systems.
- Elements of HSE - Management Systems.
- Sub-elements and expectations.
- Leadership and commitment.
- HSE Policy and Strategic Objectives.
- Organization, resources, and competence.
- Risk Evaluation and Management.
- Planning, standards, and procedures.
- Implementation and monitoring.
- Audit and management review.

Unit 3: Risk Management - 1 Risk Assessment:

- Hazard, risk, and risk assessment.
- Hazards identification techniques.
- Evaluation of HSE risks.
- Risk assessment techniques.
- Work equipment/workplace risk assessment.
- Task-based risk assessment.
- Occupational health risk assessment.

Unit 4: Risk Management - 2 Incident Investigation:

- Organizational learning from incidents.
- Case study: BP Texas Refinery explosion and fire.
- Human contribution to incidents.
- Active errors, preconditions, and latent failures.
- Identification and analysis of root causes of incidents.
- Framework for incident investigation and analysis.

Unit 5: Promoting a Positive Safety Culture:

- Motivation and employee involvement.
- Development of a positive safety culture.
- What is a safe culture?
- How do we promote a safety culture?
- How do we measure safety culture?
- Behavioral Safety and Employee Involvement.
- Selection of outcome indicators.