

€ TRAINING

Process Safety Management Compliance





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Introduction:

This training program provides comprehensive instruction on the principles, regulations, and best practices for ensuring safety in industrial processes. Through theoretical learning, this program equips individuals with the knowledge and skills needed to achieve regulatory compliance and promote a culture of safety in the workplace.

Program Objectives:

At the end of this program, participants will be able to:

- Describe the company's HSE Management Systems.
- How to 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.
- Learn how to 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 positive safety culture within your organization.

Targeted Audience:

- 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

Program Outlines:

Unit 1:

Introduction into HSE Management Systems:

- Why we need the HSE Management System and what it is.
- Individual and organizational roles responsibilities.

- What should the HSE Management System cover.
- Standards for HSE Management.
- Integrating OHSAS 18000, ISO 14000, and ISO 9000.
- The role of safety culture.

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.
- The human contribution to incidents.
- Active errors, preconditions, and latent failures.
- Identification and analysis of root-causes to incidents.
- Framework for incident investigation and analysis.

Unit 5:

Promoting Positive Safety Culture:

- Motivation and employee involvement.
- Development of positive safety culture.
- What is safety culture.
- How to promote safety culture, How to measure safety culture.
- Behavioural Safety and employee's involvement.
- Selection of outcome indicators.