MERCURY

Safety Management Best Practices
Training Course

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Introduction:

The global trend in integrating health, safety, and environmental management systems within all other business management has changed how all industries manage safety. Instead of prescriptive legislation and standards, a proactive approach to risk management based on structured and systematic risk assessment is now commonplace.

This safety management systems training course aims to provide hands-on experience in applying advanced safety management principles and techniques relevant to various industries. This safety management course will include reactive, active, and proactive performance measurements against set targets based on best practices.

Discover how this safety management degree can enhance your professional capabilities and empower you to contribute substantially to organizational safety and well-being.

Understanding Safety Management System Training:

For professionals looking to enhance their expertise in safety management without the inconvenience of long-distance travel, this course offers an accessible solution to ensure that attendees gain essential knowledge and skills in their regional context, facilitating a more relevant and immediate application of safety management best practices.

Those interested in an interdisciplinary approach to safety management might consider an MBA in Safety Management. This advanced degree combines business acumen with rigorous safety training, equipping graduates to lead in safety management and beyond.

Process Safety Management Training Course

Participants will gain a deep understanding of process safety management, learning how to identify and mitigate risks associated with process operations. The course encompasses the latest methodologies and strategic approaches, prepping attendees for robust safety management system certification.

An integral curriculum component prepares attendees for safety management system certification. This credential is a testament to the participant's commitment to safety excellence and mastery of safety management systems certification criteria.

Targeted Groups:

- Health and safety professionals.
- Production, Process, Mechanical, Control, and Maintenance Personnel.
- Project professionals and Engineers.
- Personnel are involved in the preparation of Safety Reports.

Course Objectives:

At the end of this safety management training course, the participants will be able to:

- Learn to be familiar with crucial safety codes of practice introduced by significant organizations, particularly controlling major accidents and hazards COMAH for onshore installations.
- Develop an awareness of the critical elements for implementing the safety case concept for fixed and mobile offshore installations.
- Appreciate the role of incident root-cause analysis and best practices for promoting a positive safety culture based on methodologies implemented by significant organizations.
- Carry out Task-based risk assessments that focus on human error and management systems failure.
- Develop skills in applying Project Health Safety and Environmental Reviews PHSER best practices by linking this review with the Capital Value Process CVP and the company's HSE management system.
- Develop skills in target setting, planning, implementing, and measuring performance.

Targeted Competencies:

By the end of this safety management system course, target competencies will be able to:

- Attendees who complete this program should demonstrate familiarity with state-of-the-art concepts and methodologies in solving HSE problems at work.
- Learn about active and reactive monitoring and KPIs.
- HSE plans, including pre-construction and pre-operations safety reports.
- Risk assessments.

Course Content:

Unit 1: Major Hazards Control Best Practice

- COMAH code of practice.
- Elements of COMAH.
- The safety case concept.
- Elements of the safety case.
- Understand the role of quantified risk assessment QRA in COMAH and safety cases.
- HSE management systems and significant hazards.
- Learn about emergency planning and significant hazards.

Unit 2: Root Cause Analysis Best Practice:

- Understand the role of human contribution to incidents.
- How do active errors, preconditions, and latent failures?
- Understand incident analysis techniques and their best practices.
- Learn about cause trees and events and causal factors analysis.
- Link between root causes, conclusions, and recommendations.
- Practical application and group work.

Unit 3: Risk Assessment Best Practice:

- What is risk assessment and its pitfalls?
- How to make risk assessment effective?
- Evaluate risks and their best practices.
- Learn what the task-based approach to risk assessment is.
- Apply task-based risk assessment to Work Permits.
- Plan implementation and techniques for measuring performance.

Unit 4: Human Reliability Assessment Best Practice:

- Learn what human error and accident causation are.
- Human error classification.
- Learn about the role of task analysis and job-safety analysis.
- Understand best practice techniques for promoting a safety culture.
- Assess improvement and link safety culture with the HSE management system.

Unit 5: Project HSE Reviews Best Practice:

- Stages of a project.
- Projects HSE plan.
- The latest PHSER procedures link the review with the capital value process.
- Incorporate PHSER within the organization HSE-MS.
- PHSER TOR, protocol, and conduct.
- PHSER documentation requirements and guidelines.
- PHSER reporting procedures.