

Safety Management - Hazard Identification and Assessment

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Energy Milestones Corporation Advancing Professionals to the next level

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info@energymilestones.com



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Safety Management - Hazard Identification and Assessment



Overview

This course helps participants learn practical and proven methods of hazard identification, assessment, and control by covering essential topics such as hazard mapping, workplace inspections, risk assessment techniques, and the hierarchy of controls.

Course Objectives

- Understanding the fundamentals of hazard control
- Learning how to develop a comprehensive approach for hazard identification
- Being able to assess the hazards and determine which ones should be eliminated or controlled first
- Identifying the types of hazard controls that are commonly used in various situations
- Learning how to implement a hazard control program
- Understanding how to assess the effectiveness of the control measures

Course Content

- Importance of process safety management
- Model for process safety management
- Process safety framework
- Major accidents/accident causes
- Mitigation and emergency measures
- Process safety strategies
- Introduction to hazards and risks
- Fire, explosion and toxic release
- Risk assessment



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Course Content

- Reaction hazards and material compatibility
- Process design
- Procedures
- Safe systems of work
- Control of contractors
- Maintenance
- Management of change
- Human factors and safety culture
- Safety management and continuous improvement
- Safety leadership at all levels in the organization
- Leading and lagging indicators
- Learning from accidents and incidents
- Legal framework
- Mitigation and emergency measures
- Start of multi-stage case study

Targeted Audience

- Health and safety committee members
- Maintenance and facilities staff
- Managers
- Supervisors



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Course Methodology

Facilitated by an experienced professional trainer, this training course will be conducted as a highly interactive workshop session. A variety of training methodologies and facilitation techniques will be used before and during the course whenever applicable. These methods are aimed at enhancing individual and group interaction while maximizing learning. Some of these methods are:

- Online Pre-post Test
- Colorful Visual Aids
- Gamification
- Self-Assessment Instruments
- Simulations
- Case Studies
- Videos
- Group Exercises & Discussions
- Role plays
- Indoor & Outdoor games

