€TRAINING

Safety Management Best Practices

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Introduction:

This training program equips individuals with the knowledge and skills necessary to implement effective safety measures and protocols in various organizational settings. It emphasizes continuous improvement and empowers participants to champion safety initiatives within their organizations.

Program Objectives:

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

- Understand key safety Codes of Practice, focusing on COMAH for onshore installations.

- Implement the Safety Case concept for offshore installations.

- Apply Incident Root-cause Analysis and best practices for safety culture.

- Conduct Task-based risk assessments emphasizing human error and management systems failure.

- Utilize Projects Health, Safety & Environmental Reviews PHSER with the Capital Value Process CVP and the Company HSE Management System.

Targeted Audience:

- Health & Safety professionals.

- Production, process, mechanical, control, and maintenance personnel.

- Project professionals and Engineers.

- Personnel involved in the preparation of Safety Reports.

Program Outlines:

Unit 1:

Major Hazards Control Best Practice:

- COMAH Code of Practice.

- Elements of COMAH.

- The Safety Case concept, Elements of the Safety Case.

- The role of Quantified Risk Assessment QRA in COMAH and Safety Cases.

- HSE Management Systems and major hazards.

- Emergency planning and major hazards.

Unit 2:

Root Cause Analysis Best Practice:

- The role of human contribution to incidents.

- Active errors, preconditions, and latent failures.

- Incident analysis techniques- best practice.

- Cause Tree and Events & Causal Factors analysis.

- Linking between root causes, conclusions, and recommendations.

Unit 3:

Risk Assessment Best Practice:

- Risk assessment- the pitfalls.

- How to make risk assessment effective.

- Evaluation of risks- best practice.

- The task-based approach to risk assessment.

- Applying task-based risk assessment to Work Permits.

- Planning, implementing and techniques for measuring performance.

Unit 4:

Human Reliability Assessment Best Practice:

- Human error and accident causation.

- Human error classification.

- The role of task analysis and job-safety analysis.

- Best practice techniques for promoting a safety culture.

- Assessing improvement and linking safety culture with the HSE Management System.

Unit 5:

Project HSE Reviews Best Practice:

- Stages of a project, Project's HSE Plan.

- Latest PHSER Procedures for linking the review with the Capital Value Process.

- Incorporating PHSER within the Organization's HSE-MS.

- PHSER TOR, protocol and conduct.

- PHSER Documentation requirements and Guide-words.

- PHSER Reporting procedures.