



## Implementation of Effective Safety Measures & Protocols

PIK-0326 UK-LDN-1



<b>Place:</b> London	<b>Venue:</b> INDUSTRIOUS (1 and 2, 245 Hammersmith Road Floors, London W6 8PW) - TBC	
<b>Start Date:</b> 02-03-2026	<b>End Date:</b> 06-03-2026	<b>PPP:</b> £4950



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**If you can't train them,  
you can't blame them!**

### Short Description:

This training program is designed to provide individuals with essential knowledge and skills for the implementation of effective safety measures and protocols in diverse organisational environments. By focusing on the principles of safety management, participants will learn how to identify potential hazards, assess risks, and develop strategies to mitigate those risks. The curriculum emphasises the importance of adherence to safety regulations and standards, ensuring that individuals are equipped to foster a safe working atmosphere for all employees. Moreover, the program promotes a culture of continuous improvement in safety practices. Participants are encouraged to take an active role in championing safety initiatives within their organisations, fostering collaboration among team members to enhance overall safety performance. By empowering individuals to lead safety efforts, this training not only enhances personal competence but also contributes to the establishment of a proactive safety culture, ultimately leading to reduced incidents and improved organizational well-being.

### Course Overview:

#### **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 to enhance safety culture.
- Conduct Task-based risk assessments with an emphasis on human error.
- Analyse management systems failure in risk assessments.
- Utilise Projects Health, Safety & Environmental Reviews (PHSER) effectively.
- Integrate the Capital Value Process (CVP) with the Company HSE Management System.

## **TARGET AUDIENCE**

- Health & Safety professionals.
- Personnel involved in production processes.
- Mechanical and control personnel.
- Maintenance personnel.
- Project professionals.
- Engineers.
- Individuals preparing Safety Reports.

## **Program Outline:**

### **DAY 1: Best Practices for Major Hazards Control**

1. COMAH (Control of Major Accident Hazards) Code of Practice.
2. Understanding the Safety Case concept and its components.
3. The significance of Quantified Risk Assessment (QRA) in COMAH and Safety Cases.
4. HSE (Health, Safety, and Environment) Management Systems and their relation to major hazards.
5. Emergency preparedness in the context of major hazards.

### **DAY 2: Best Practices for Root Cause Analysis**

1. The impact of human factors on incidents.
2. Active errors, preconditions, and underlying failures.
3. Best practices in incident analysis techniques.
4. Cause Tree analysis and Events & Causal Factors evaluation.
5. Connecting root causes with conclusions and recommendations.

### **DAY 3: Best Practices for Risk Assessment**

1. Understanding risk assessment and strategies for effectiveness.
2. Best practices for risk evaluation.
3. A task-based approach to conducting risk assessments.
4. Applying task-based risk assessment methodologies to Work Permits.
5. Planning, executing, and techniques for performance measurement.

## **DAY 4: Best Practices for Human Reliability Assessment**

1. The connection between human error and accident causation.
2. Classifying human errors.
3. The importance of task analysis and job safety analysis.
4. Effective techniques to foster a safety culture.
5. Evaluating improvements and integrating safety culture with the HSE Management System.

## **DAY 5: Best Practices for Project HSE Reviews**

1. Phases of a project and the Project's HSE Plan.
2. Current PHSER (Project Health, Safety, and Environmental Review) Procedures for linking reviews with the Capital Value Process.
3. Integrating PHSER into the organisation's HSE Management System.
4. PHSER Terms of Reference (TOR), protocol, and execution.
5. Procedures for PHSER Reporting.