

## Safety Case Development & Application Excellence in Safety Case Design, Planning & Execution

Date

(\$)Fees

03 March -07 March 2024 Kuala Lumpur

3500

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### Why Choose this Training Course?

This highly-interactive course outlines the essential elements of a Safety Case. These will be developed, each in turn, in interactive workshops, giving delegates an excellent insight into the depth and breadth of the information that is incorporated in a Safety Case.

Through various workshops and discussions, delegates will learn on how a Safety Case is to be applied and role play this application. Knowledge gained in this technique will be self-assessed; giving delegates a clear vision of their competencies in this technique.

#### This course will feature:

- Studying the depot's plot plan, process & instrumentation diagrams and safeguarding systems
- Developing the major accident hazards posed by this depot's operations
- Determine the safeguards in place to prevent or mitigate these hazards
- Decide what activities or tasks are required to maintain these safeguards in working order
- Develop a plan to monitor the timely execution of these essential and critical tasks

### What are the Goals?

#### After attending this course, delegates will be able to:

- Understand the essential features of a Safety Case
- Enable to apply the Safety Case process back at the delegate's own workplace
- Ensure compliance with applicable safety legislation
- Identify who is tasked with which critical task in the delegate's own workplace
- Develop a meaningful programme to ensure the critical tasks are properly executed

### Who is this Training Course for?

#### This course will greatly benefit the following professionals:

- HSE personnel
- Managers and Supervisors at all levels

- Personnel who are assigned Critical Tasks
- Design Engineers of all disciplines
- Technical and non-technical personnel wishing to increase knowledge on the subject

## **How will this Training Course be Presented?**

The course will use a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This includes the following methodology:

- Lectures, incorporating slides and videos
- Hand-outs/case studies
- Workshop sessions
- Role playing
- Verbal and written assessments

## **The Course Content**

### **Day One: Introduction to Safety Cases**

- What comprises a Safety Case
- What led to the Safety Case development – Piper Alpha video
- A brief history of the Safety Case
- Different types of Safety Cases
- The essential features of a Safety Case
- Glossary of terms to be used on this course

#### **Workshop 1: Draw up a Safety Policy for the LPG Depot**

### **Day Two: Major Hazard Analysis**

- Recap of previous day's work
- Short verbal assessment
- Risk assessments in general

#### **Workshop 2: HAZID of the LPG Depot**

- Major Hazard Industry explained
- MHA Techniques explained

#### **Workshop 3: Develop an MHA of the LPG Depot**

### **Day Three: Bow Ties**

- Recap of previous day's work
- Short verbal assessment
- Bow Ties explained
- Develop the major hazard scenarios for the LPG depot
- Develop the preventive and mitigation measures employed
- Develop the tasks required to be undertaken to maintain these safeguards

#### **Workshop 4: Develop Bow Ties for the MHA's**

## **Day Four: Critical Tasks**

- Recap of previous day's work
- Short verbal assessment
- Critical Tasks explained

### **Workshop 5: Develop Critical tasks for the LPG Depot**

- Role play of Critical Task executors – how they will do their tasks
- Need for proof of action taken explained
- Various method for providing such proof explained

### **Workshop 6: Draw up an auditable schedule of Critical Tasks having been performed**

## **Day Five: Critical Task Executor training**

- Recap of previous day's work
- Knowledge of things that would aid the executors of critical tasks

### **Workshop 7: Draw up a training course outline for the executors of critical tasks**

- Recap of all the work/activities done

### **Assessment of enhanced knowledge and competency**

- Written assessment
- Marking the assessment papers – by delegates
- In-depth discussion of the answers

### **Delegates' feedback**



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