

# FIRE FIGHTING IN OIL INDUSTRY ADVANCED

## HSE011

### COURSE DESCRIPTION

The advanced course delves deeper into firefighting techniques and strategies specific to the oil industry. It builds on the foundational knowledge from the basic course, focusing on complex scenarios, specialized equipment, and coordinated response efforts. Participants will learn advanced tactics for handling large-scale fires, hazardous material incidents, and rescue operations in oil and gas facilities.

### COURSE OBJECTIVES

By the end of this course, participant will be able to:

- Gain an in-depth understanding of advanced firefighting techniques and tactics.
- Develop skills in incident command and emergency response coordination.
- Handle complex fire scenarios involving hazardous materials and high-risk environments.
- Utilize specialized firefighting equipment and technologies.
- Implement advanced safety measures and emergency planning in oil facilities.

### WHO SHOULD ATTEND

This course is intended for experienced firefighting personnel, safety officers, emergency response coordinators, and managers in the oil and gas industry. It is recommended for individuals who have completed the basic course or have equivalent experience in firefighting and emergency response.

### COURSE DURATION

5 Working Days

### COURSE OUTLINES

#### 1. Advanced Fire Science and Behavior

- Fire dynamics in high-risk environments
- Thermal layering and flashover

#### 2. Incident Command and Control

- Roles and responsibilities in emergency response
- Communication and coordination with other agencies

**3. Specialized Firefighting Equipment**

- Foam systems and dry chemical agents
- Advanced PPE and breathing apparatus

**4. Hazardous Materials and Spill Response**

- Identification and classification of hazardous materials
- Containment and mitigation strategies

**5. Rescue Operations in Oil Facilities**

- Techniques for confined space and high-angle rescues
- Medical emergencies and first aid

**6. Advanced Fire Scenarios and Case Studies**

- Analysis of significant incidents in the oil industry
- Simulation exercises and practical drills

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