

# FIRE FIGHTING IN OIL INDUSTRY

## BASIC

## HSE010

### COURSE DESCRIPTION

This introductory course provides foundational knowledge and skills in firefighting within the oil industry. It covers essential principles of fire behavior, fire prevention, and initial response techniques specific to oil and gas environments. Participants will learn about the unique hazards associated with oil and gas facilities, as well as the basic equipment and strategies used to combat fires in these settings.

### COURSE OBJECTIVES

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

- Understand the fundamental concepts of fire science and behavior.
- Recognize the specific hazards and risks associated with the oil and gas industry.
- Identify and use basic firefighting equipment and personal protective gear.
- Apply basic firefighting techniques and strategies in oil industry scenarios.
- Implement basic fire prevention and safety measures in oil facilities.

### WHO SHOULD ATTEND

This course is designed for new hires in the oil and gas industry, safety personnel, facility managers, and anyone seeking a basic understanding of firefighting in this sector. No prior experience in firefighting is required.

### COURSE DURATION

5 Working Days

### COURSE OUTLINES

#### 1. Introduction to Fire Science

- Fire triangle and tetrahedron
- Types of fire

#### 2. Overview of the Oil Industry

- Key facilities and infrastructure
- Common hazards in oil and gas operations

**3. Fire Prevention in Oil Facilities**

- Safety protocols and regulations
- Housekeeping and hazard identification

**4. Firefighting Equipment**

- Personal protective equipment (PPE)
- Fire extinguishers and hose lines

**5. Basic Firefighting Techniques**

- Fire attack methods
- Evacuation procedures and safety considerations

**6. Case Studies and Practical Scenarios**

- Real-world incidents and lessons learned

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