

Consulting and Training | Reach New Heights

Course Name

Fire Fighting Systems

Sector Name

Health, Safety and Environment

Document Type

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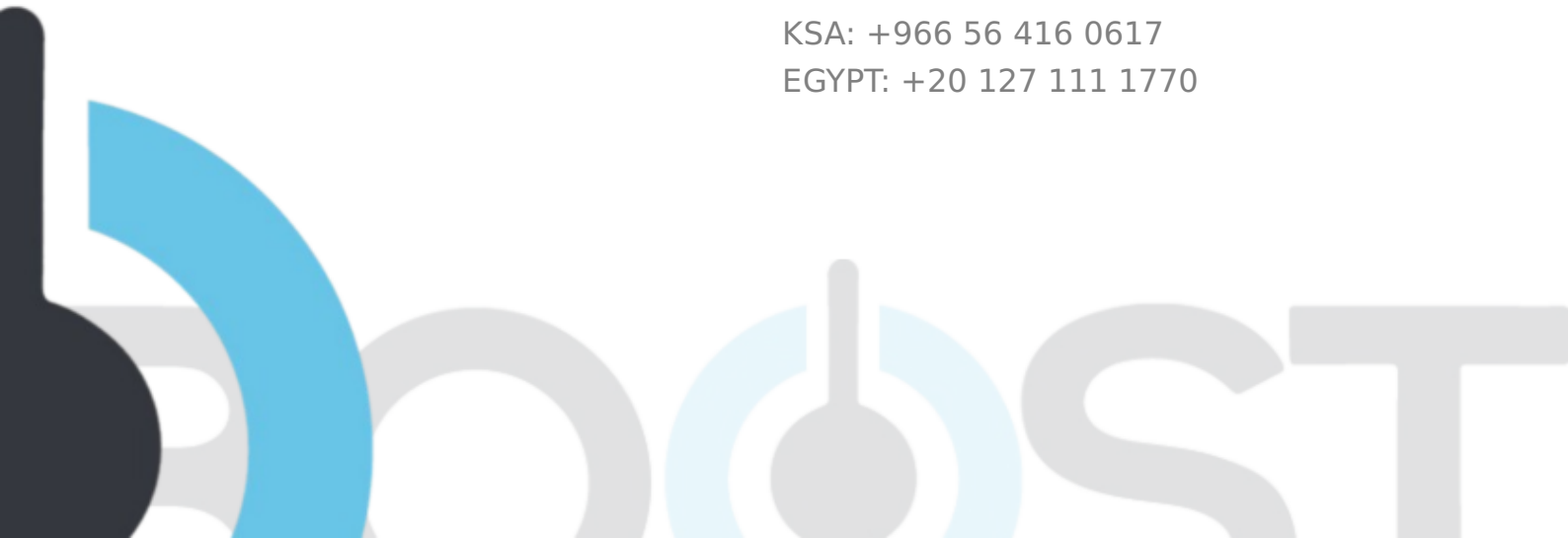
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Fire Fighting Systems

Course Introduction

Fire Fighting Systems

This course is designed to cover all aspects related to fire safety, fire risk assessment, preparation of fire and safety plans, and the installation, inspection and use of all types of fire facilities such as Fire Alarm Systems, Automatic Fire Fighting Systems, Fire Extinguishers, etc. This course is designed to provide participants with the required knowledge to fulfill the role of Fire Marshal/Fire Commander and update the knowledge of existing Fire Marshals. It will also assist those with practical responsibility for fire safety within buildings/workplace to develop procedures and fire management systems.

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Fire Fighting Systems

Target Audience

- ✓ Safety Committee Members
- ✓ Security personnel / Specialist
- ✓ Safety Engineer
- ✓ Safety & Training Specialist
- ✓ Environmental Specialist
- ✓ Emergency Response Specialist

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Fire Fighting Systems

Learning Objectives

- ✓ The fire triangle and the common causes of fire.
- ✓ Correctly and safely select and use of a fire extinguisher
- ✓ Fire Risk Assessment
- ✓ Fire Alarm systems
- ✓ Automatic Fire Fighting Systems (Sprinkler System, FM200 Systems etc.)
- ✓ Fire Water Tanks, fire main rings, fire pumps, fire hydrants, Fire Hose Reels, etc.
- ✓ Fire Emergency Procedures, Evacuation Plans.
- ✓ Commanding and Leading Fire Fighting Operations

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Course Outline

✓ DAY 1

Fire Risk Assessment

- ✓ Fire Prevention
- ✓ Causes of Fires / Fire Triangle & Tetrahedron
- ✓ Fire Classes (Class A, Class B, Class C, Class D, Class K)
- ✓ Different types of Fire Extinguishers

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Course Outline

✓ DAY 02

Fire Extinguishers Rating / Distribution

- ✓ Extinguishers Testing and Rating (UL, CE, etc.).
- ✓ Distribution of Fire Extinguishers/Extinguisher per Square Feet or Square Meters.
- ✓ Inspection & Maintenance, Re-Filling of fire extinguishers etc. (Based on NFPA # 10)
- ✓ Fire Detection Systems, Smoke & Heat Detectors, Flame & Gas Detectors, Different Types of Fire Detection (Conventional, Addressable, Etc. and Inspection Procedures, Intervals, Reporting etc. (Practical Training) – Based on NFPA # 72

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Course Outline

✓ DAY 03

Automatic Fire Sprinkler Systems: · - Different Types of Sprinkler Systems · - Hydraulic Calculations · - Water Demands · - Inspection (Practical Training) - Based on NFPA # 13

- ✓ Automatic Fire Fighting Systems (Carbon Dioxide, FM200, Dry Chemical, Foam, etc.)
- ✓ Space to be protected
- ✓ Calculating the Exact Quantity of the Fire Extinguishing agents.
- ✓ Inspection (Practical Training) - NFPA # 12, 17, and 2000
- ✓ Fire Water Systems (Main Water Rings, Fire Pumps, Fire Risers, Hose Reels, Fire Hydrants, etc.). NFPA # 14 - 15

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Course Outline

✓ DAY 04

Main Water Rings (Loop System, Isolating Valves, Etc.)

- ✓ Fire Pumps (Jockey Pumps, Main Pumps, Weekly Inspection)
- ✓ Procedures, Risers, Dry and Wet, Hose Reels, Fire Hydrants (Inspection based on NFPA # 25) and NFPA # 20
- ✓ Inspection Procedures for All Types of Fire Fighting Equipment and Systems. (Practical Training) – Based on NFPA – USA Codes and Standards

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Course Outline

✓ DAY 05

Fire Emergency Procedures, Fire Emergency Plans, Training of Personnel, Fire Drills.

✓ Commanding and Leading Fire Fighting Operations

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 10, 2027	May 14, 2027	5 days	4250.00 \$	UAE , Dubai
Aug. 9, 2027	Aug. 13, 2027	5 days	4950.00 \$	England , London
Oct. 25, 2026	Oct. 29, 2026	5 days	4250.00 \$	Bahrain , Manama
Nov. 15, 2026	Nov. 19, 2026	5 days	4250.00 \$	Oman , Muscat

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