MERCURY

Advanced Fire Fighting Training Course

7 – 11 December 2026
Cape Town (South Africa)



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Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

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Ref: 15283_1062913 **Date:** 7 – 11 December 2026 **Location:** Cape Town (South Africa) **Fees:** 5300 Euro

Introduction:

Fire safety within a building or installation must be managed to be effective. Therefore, fire safety management is concerned with the study of fire prevention, development, control, dynamics, decay, and how fire safety measures manage the effects of fire on people, the environment, and financial conditions. There is no turnkey solution. Each workplace is unique, requiring tailored fire safety management and fire risk assessments that go beyond mere theory to practical application.

This advanced fire fighting training course aims to enhance fire safety by collecting and submitting risk assessments. It prompts critical questions: In the event of a significant fire, do all individuals, including visitors and contractors, know what to do and where to go? Will they be able to initiate and execute available emergency procedures? The course delves into alerting, evacuation, emergency procedures, training, and exercises to address these questions.

Instructional methods include presentations, group discussions, workshops, quizzes, project work, relevant training DVDs, and case studies. This interactive experience strives to inspire and challenge participants, who will receive manual and course handouts. The advanced fire fighting training adheres to EU legislation, UK directives, GCC best practices, UK standards, and codes of practice from Health & Safety Executive publications.

Targeted Competencies:

By the end of this advanced fire fighting training, the participant's competencies will:

- Handle personal protective and advanced fire fighting equipment.
- Organize fire brigade teams efficiently.
- Execute advanced techniques in group firefighting operations for fire classes A, B, C, and D, prioritizing safety and control.

Targeted Groups:

- Health, safety, and environmental professionals aspiring to integrate advanced training in fire fighting with their expertise.
- Seasoned and new auditors of HSE management systems HSE-MS.
- Line managers, supervisors with HSE responsibilities, or individuals seeking involvement in HSE-MS.
- All personnel engaged in the implementation of HSE-MS.
- Offshore unit or ship personnel who are part of a firefighting team.

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Course Objectives:

At the end of this advanced fire fighting course, the participants will be able to:

- Grasp the essentials of advanced fire safety management.
- Conduct comprehensive fire risk assessments.
- Understand detection, warning, escape routes, and emergency lighting systems.
- Comprehend the importance of signage and fire fighting equipment.
- Provide risk-related information and training to personnel.
- Recognize fire risk assessment and training needs analysis for first responders.
- Foster a safer office/industrial environment through advanced knowledge.
- Implement effective fire safety management systems and contingency plans.
- Ensure an efficient and timely response during fire emergencies.

Course Content:

Unit 1: Operational Control Onboard:

- Outline the principles of safety related to fire.
- Assess areas prone to fire aboard a vessel.
- Generate a list of fire precautions.
- Discuss the fire fighting procedures and tactics.
- Review the use of various extinguishing agents and the particulars of water as a fire extinguisher.
- Highlight coordination during fire operations and control of ventilation systems.
- Address storage and handling precautions for flammable materials.
- Know the detailed casualty evacuation coordination procedures.

Unit 2: Organization and Training of Firefighting Crews:

- Plan and prepare the fire plan.
- Draft and organize personnel and firefighting units.
- Instill fire prevention strategies and plans.
- Instruct evacuation and abandonment procedures.
- Elucidate fire control tactics in different unit areas.

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Unit 3: Inspection of Detection and Firefighting Systems and Equipment:

- Identify the various types of fire alarms and fixed fire fighting equipment.
- Describe pumps, hoses, hydrants, applicators, and the use of mobile and portable fire extinguishers.
- Understand automated fire extinguishing systems requirements for onboard fire prevention experts.
- Analyze investigation procedures and preparation of the fire report.

Unit 4: Understanding Damage Control:

- Understand the concepts of stability involving gravity, buoyancy, and metacenter.
- Recognize ship characteristics and primary structural components.
- Prevent fire-related damage and recognize threats like tanks, gas, and furnaces.
- Master water tightness and ballast system controls.
- Illustrate various cargo handling tools and responsibilities during plane crash emergencies.

Unit 5: Protection of People, Evacuation Drills, Alert, and Training:

- Discuss fire protection measures and who is accountable for assessment and planning.
- Evaluate existing plans and possible improvements.
- Learn about human perception and behavior during fire and emergency evacuation procedures.
- Drill and train for evacuation and firefighting, understanding alert mechanisms.
- Design effective evacuation drills and understand the importance of regular fire drill exercises.
- Address long-duration incidents and introduce the concept of business continuity.

Conclusion:

Incorporating these elements into the Advanced Fire Fighting Training Course ensures comprehensive coverage of advanced fire fighting techniques, practices, equipment, and training, emphasizing practical application, safety, and preparedness for various scenarios.