

**MARINE HAZARDS
PREVENTION, CONTROL
AND MANAGEMENT
INCLUDING MARINE
EMERGENCIES**



MSE123

COURSE TITLE

MARINE HAZARDS PREVENTION, CONTROL AND MANAGEMENT INCLUDING MARINE EMERGENCIES

COURSE DATE/VENUE

01 – 05 December 2025

London, UK

COURSE REFERENCE

MSE149

COURSE DURATION

05 Days

DISCIPLINE

Marine & Shipping Engineering

COURSE INTRODUCTION

This intensive course equips professionals working in marine terminals and shipyards with the skills needed to lead safety initiatives effectively. Designed for those in supervisory or managerial roles, the program focuses on recognizing workplace hazards, implementing control measures, and supporting safety training efforts. Ideal participants include individuals overseeing ship repair, port operations, electrical systems, maintenance, and safety compliance—such as supervisors, engineers, technicians, and managers responsible for operational safety in maritime environments.

Benefits to the Organization

Companies operating within the maritime industry will gain substantial advantages when their leaders strengthen the essential competencies presented in this seminar. With a stronger grasp of safety, preparedness, and compliance, organizations can elevate performance while reducing risks and costs.

- Improved ability to manage and respond to marine hazards
- Better coordination between departments involved in terminal and marine operations
- Reduction of errors when dealing with internal and external stakeholders
- Faster and more effective execution of emergency response measures
- Increased efficiency in client service delivery

- Stronger collaboration and workplace relationships
- Broader perspective on growth and future opportunities
- Development of workforce expertise and technical capability
- Cost savings through proactive prevention and safety management

Advantages for Participants

This training equips professionals with the knowledge, tools, and confidence to strengthen their leadership capabilities in maritime safety and emergency management. Participants will leave with practical skills they can immediately apply in their work environment.

- Deeper awareness of maritime hazards, including frequency rates and historical trends
- Understanding of international and national standards governing the maritime industry
- Skills to identify hazards and recommend effective control strategies to prevent injuries
- Expanded knowledge of how regulations apply to shipyard and terminal operations
- Ability to interpret and apply standards in practical, operational settings
- Exposure to industry best practices for hazard control and risk management
- Confidence in recognizing, assessing, and addressing safety risks in marine environments

COURSE OBJECTIVE

At the end of the training course, participants will:

Upon the successful completion of this course, each participant will

- Gain insight into the different types of hazards within the maritime sector, along with their frequency and historical occurrence rates
- Develop an understanding of the key regulations and standards governing maritime operations
- Build the ability to detect potential hazards and recommend control measures that help prevent accidents and injuries in marine activities
- Strengthen knowledge of industry standards and how they influence day-to-day operations
- Learn to apply regulatory requirements effectively in shipping companies and marine terminals
- Acquire practical awareness of proven industry practices for hazard prevention and control
- Enhance capability to identify, assess, and evaluate risks across maritime environments

COURSE AUDIENCE

Managers, Team Leaders Supervisors, Professionals Technical Staff Superintendents
Operators Officers Procurement Professionals Supplier Planners Inventory professionals

COURSE CONTENT

Day 1: Maritime Disasters – Prevention and Control

- Overview of Maritime Accidents: Causes, Trends, and Case Studies
 - Principles of Maritime Safety
 - Role of the International Maritime Organization (IMO) and Global Standards
 - Strategies for Preventing Maritime Accidents
 - Disaster Prevention: Concepts, Examples, and Best Practices
 - Modern Technologies for Enhancing Safety and Reducing Shipwrecks
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Day 2: Emergency Preparedness and Response

- Fundamentals of Emergency Preparation and Planning
 - Effective Communication in Emergency Situations
 - Structure and Roles of Emergency Response Organizations
 - Training Programs and Drills: Building Competence and Readiness
 - Working with Media During Emergencies
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Day 3: Safety and Risk Management

- Understanding Risk: Identifying, Assessing, and Prioritizing Risks in Marine Operations
 - International and National Safety Standards & Regulatory Compliance
 - Developing and Implementing Safety Management Systems (SMS)
 - Accident Prevention Strategies and Safety Audits
 - Emergency Response, Contingency Planning, and Crisis Management
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Day 4: Environmental Impact and Sustainability in Marine Operations

- Assessing Environmental Impact of Port, Terminal, and Marine Operations
 - Pollution Control and Efficient Resource Management
 - Energy Efficiency and Carbon Footprint Reduction Strategies
 - Adoption and Implementation of Sustainable Practices in Marine Terminals
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Day 5: Terminal Emergency Preparedness and Management

- Developing a Comprehensive Terminal Emergency Plan: Components and Procedures
- Definitions, Hierarchy, and Command Structure in Emergency Response
- Procedures for Emergency Removal of Tankers from Berth
- Evacuation Planning: Escape Routes and Survival Craft Deployment
- Marine Terminal Safety and Fire Protection Measures
- Firefighting Systems, Equipment, and Personal Protective Equipment (PPE)

COURSE CERTIFICATE

TRAINIT ACADEMY will award an internationally recognized certificate(s) for each delegate on completion of training.

COURSE FEES

£5,500 per Delegate. This rate includes participant's manual, Hand-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

COURSE METHODOLOGY

The training course will be highly participatory and the course leader will present, guide and facilitate learning, using a range of methods including formal presentation, discussions, sector-specific case studies and exercises. Above all, the course leader will make extensive use of real-life case examples in which he has been personally involved. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Case studies & Practical Exercises
- 10% Role Play
- 10% Videos, Software or Simulators (as applicable) & General Discussions