

# Marine Terminal Training for Oil & Petroleum Products



**Developed and Conducted by  
Institute of Maritime Education & Training**

## Marine Oil Terminal Training for Oil & Petroleum Products

### **Introduction:**

Oil Terminals should comply with all applicable international, national and local regulations, and with their own policies and procedures. Similarly, personnel manning and operating at the oil terminal should be fully aware of the hazards of the petroleum products they are handling, the equipment they are handling (it's purpose and operational capabilities) as well as emergency situations that may arise.

Terminal management should provide a healthy and safe working environment and ensure that all operations are conducted with minimum impact on the environment whilst complying with the regulatory system in force and recognised industry codes of practice. If such hazards or emergencies occur, the terminal operators should be fully aware, ready and capable of initiating an initial response to mitigate the risks arising from any such emergency situation.

### **Course Aim:**

This course is specifically designed for the terminal operators who are constantly engaged in the operations related to cargo custody transfer between the terminal and the ship. Understanding of the hazards and risks of handling petroleum cargoes is an important facet of this course, including management of these associated risks.

This course also covers an in-depth knowledge about the operation of cargo transfer and safety related equipment installed at the terminal. The course focuses on the various aspects of moorings and effects of natural and other factors on the moored ships at an oil terminal.

Constituting another important part of this course is the emergency preparedness and readiness of the terminal and it's personnel to handle such situations when they arise. An in-depth knowledge about specific emergency procedures is given to the participants

Collaborators and approving authorities for our programmes:



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that not only makes them know such documented procedures but also changes the way they react and behave in an emergency.

### **Course Objectives:**

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

- Understand the hazards and risks associated with the handling of liquid oil cargoes in bulk
- Understand the terminal systems and equipment, including the cargo transfer equipment
- Recognise and appreciate the various mooring materials and equipment, systems and patterns as well as internal and external factors affecting moored ships
- Know the safety and fire protection measures and requirements at the oil terminal
- Manage emergency preparedness and evacuation at the terminal, including conducting drills and exercises

### **Course Content:**

The main topics that will be covered in this course are:

- Hazards of petroleum
- Basic properties of petroleum
- Static electricity
- General safety / security hazards and precautions at terminals
- Mooring equipment, systems, patterns and practices
- Factors affecting safe mooring of ships along side terminals
- Terminal Management & Organisation
- Terminal Operations

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- Terminal Equipment and Systems
- Emergency Preparedness and Evacuation
- Practical Drill and Exercise

### **Training Methodology:**

- Lectures
- Case Studies
- Group Discussions
- Participant presentations

### **Who Should Attend?**

- Terminal Loading Masters
- Terminal Marine Safety Operators
- Office staff (as nominated)

### **Course Duration:**

- 3+1 days, inclusive of a mock training and drill session at the terminal facility

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