

# Oil Terminal Safety Management



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

## Oil Terminal Safety Management

### **Introduction:**

The ocean transportation of petroleum by means of tankers is, at present day, the most used way to transport large quantities of this dangerous and valuable liquid material from the supplying zones of petroleum to the more important receiving zones. Although diverse pipelines are being built on land, in order to transport petroleum around the world, transport by sea continues being the most used and useful way of carrying such substances. However this modality involves some crucial potential risks for people, installations and environment, which must be mitigated at all times with safety measures, procedures and processes installed at these facilities.

Terminals should comply with all applicable international, national and local regulations, and with company policy and procedures. Where a self-regulatory regime exists, terminals should meet the spirit and intent of any applicable codes and the guidelines for their implementation.

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.

### **Course Aim:**

With the terminal operational safety in focus, this course is specifically developed for the terminal staff to understand the criticality and modalities of various operations carried out at the facility.

Understanding the ship shore interface, the safety management policies and procedures of the terminal as well as implementing and managing emergency management practices are given greater emphasis on this course.

Collaborators and approving authorities for our programmes:



Correspondence address: #10-81 WCEGA Tower, 21 Bukit Batok Crescent, Singapore 658065

Tel: +65-6899 3193, Fax: +65-6899 4514

## **Course Objectives:**

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

- Understand the basic properties and hazards of bulk liquids (Oil)
- Know the general hazards for tankers and terminals, when tank vessel is operating at the terminal
- Know the principles of Safety Management System & its application at the terminal e.g. PTW, Hot Work, Entry into enclosed spaces, JSA etc.
- Understand the concept of Occupational Health and Safety Management
- Understand how to perform Risk Assessments and Risk Management
- Understand and apply knowledge to conduct Accident and Incident reporting as well as investigations
- Know how to prepare formal reports post investigation
- Practical Exercise – Recognise hazards and perform Job Hazard Analysis at the terminal

## **Course Content:**

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

- Hazards of Oil to the tanker and terminal
- Safety Management System
- Occupational Health and Safety Management at the Terminal
- Job Hazard Analysis, Risk Assessment and Management
- Accident and Near Miss Reporting and Accidents
- Practical Exercise at the terminal to identify job/OSH risks and perform a Job Hazard Analysis

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### **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 days theory and ½ day practice session with walkabouts in the terminal

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