

TRAINING TITLE

LIQUID BULK CARGO HANDLING CRUDE OIL LNG STORAGE LOADING, MARINE OPERATIONS

Training Duration

5 days

Training Venue and Dates

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|--------------|--|----------|-----------------------|----------------|-------------------|
| SM345 | Liquid Bulk Cargo Handling Crude Oil LNG storage Loading, Marine Operations | 5 | 15-19 Dec 2025 | \$5,500 | DUBAI, UAE |
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In any of the 4 or 5-star hotels. The exact venue will be informed later.

Training Fees

- \$5,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

TRAINING DESCRIPTION

This course provides an in-depth understanding of liquid bulk cargo handling, focusing on the transportation, storage, and loading of crude oil and liquefied natural gas (LNG). It covers key marine operations such as loading and unloading procedures, safety protocols, environmental considerations, and the management of offshore storage systems. The course is designed for professionals involved in marine logistics, tanker operations, terminal management, and anyone involved in the safe and efficient handling of liquid bulk cargos.

TRAINING OBJECTIVES

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

- Understand the procedures and best practices for handling liquid bulk cargos like crude oil and LNG.
- Learn about storage and loading operations for crude oil and LNG, including terminal operations.
- Gain insight into the various types of vessels and tanks used for transporting liquid bulk cargos.
- Understand safety protocols and environmental concerns in liquid cargo handling.

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- Explore the marine operational aspects of loading, unloading, and storage management.

WHO SHOULD ATTEND?

- Marine operations personnel involved in loading, unloading, and transporting liquid bulk cargos.
- Terminal operators and managers responsible for the safe handling of crude oil, LNG, and other liquid bulk cargos.
- Safety officers, port authorities, and marine engineers working in bulk liquid cargo operations.
- Professionals involved in logistics, shipping, and tanker fleet management.
- Individuals new to the marine operations field or liquid bulk cargo handling looking to build a strong foundation in this area.

TRAINING METHODOLOGY

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivating everybody to find the right answers. 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.

Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work& Practical Exercises
- 20% Videos& General Discussions

COURSE PROGRAM: www.definettraining.com

Day 1: Introduction to Liquid Bulk Cargo Handling

- Overview of liquid bulk cargo types: Crude oil, refined products, LNG.
- Types of vessels used for bulk liquid transportation: Oil tankers, LNG carriers, and barges.
- Marine logistics: Key players, routes, and global trade.
- Safety and environmental regulations: International maritime law, MARPOL, and local regulations.

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Day 2: Crude Oil Handling and Storage Operations

- Crude oil properties and classification.
- Storage terminals: Design, equipment, and operations.
- Loading and unloading procedures for crude oil: Safety checks and precautions.
- Tank farm management and crude oil quality control.
- Emergency response procedures and spill containment.

Day 3: LNG Handling and Storage Operations

- LNG properties and unique handling requirements.
- LNG storage facilities: Land-based vs. floating storage units.
- LNG loading and unloading procedures.
- Safety measures for LNG operations: Cryogenic handling, leak detection, and gas release prevention.
- LNG emergency response protocols and gas dispersion modeling.

Day 4: Marine Operations in Liquid Bulk Cargo Handling

- Tanker loading and unloading: Port procedures, berth management, and cargo control.
- Coordination between terminals, vessels, and port authorities.
- Mooring and unmooring techniques for liquid bulk carriers.
- Marine traffic management and communication protocols.
- Managing delays and operational disruptions.

Day 5: Safety, Environmental Concerns, and Risk Management

- Risk assessment and safety protocols for liquid bulk cargo handling.
- Environmental impact of crude oil and LNG transportation.
- Fire, explosion, and spill prevention in liquid cargo operations.
- Emergency response planning: Evacuation, containment, and recovery.
- Continuous improvement and risk mitigation strategies.

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NOTE:

Pre-& Post Tests will be conducted.

Case Studies, Group Exercises, Group Discussions, Last Day reviews, and assessments will be carried out.

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