

# Advanced Crude Oil Tanker Cargo Operations Training Course

29 November – 3 December 2026  
Cairo (Egypt)

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## Advanced Crude Oil Tanker Cargo Operations Training Course

**Ref:** 3013\_149182 **Date:** 29 November – 3 December 2026 **Location:** Cairo (Egypt) **Fees:** 4900 GBP

### Why This Course

Efficient and safe cargo operations are at the heart of crude oil transportation. Managing these operations requires not only technical expertise but also a deep understanding of safety, environmental compliance, and risk management. In a high-stakes maritime environment, even small operational errors can lead to costly incidents and environmental damage.

The Advanced Crude Oil Tanker Cargo Operations program is an intensive 1-week course designed for maritime professionals, tanker officers, engineers, and operations managers seeking to master the complex aspects of crude oil cargo handling. The course provides in-depth training on tanker design, safety systems, environmental protection, and emergency procedures—ensuring participants are fully equipped to manage tanker operations with precision, safety, and confidence.

### What You'll Learn and Practice

By joining this program, you will:

- Master advanced safety management protocols for crude oil tanker operations.
- Develop expertise in efficient and compliant cargo handling and transfer techniques.
- Understand tanker design, cargo systems, and control instrumentation.
- Apply MARPOL and other international environmental protection standards.
- Enhance decision-making skills for cargo risk assessment and crisis management.

### The Program Flow

#### Day 1: Tanker Design and Cargo Systems

- Overview of advanced crude oil tanker design and structural components.
- Cargo tank configurations, segregation systems, and piping arrangements.
- Pump types, characteristics, and cargo transfer mechanisms.
- Instrumentation, automation, and control systems for cargo monitoring.
- Workshop: Interpreting tanker system diagrams and cargo flow paths.

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A graphic illustration of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a gold pawn nearby. The background shows concentric circles emanating from behind the king piece, suggesting a strategic or leadership theme.

## Day 2: Safety Management and Risk Assessment

- Principles of tanker safety management and ISM Code compliance.
- Hazard identification, risk analysis, and mitigation techniques.
- Personal protective equipment PPE standards and best practices.
- Operation of emergency shutdown systems and safe work procedures.
- Exercise: Conducting a risk assessment for cargo transfer operations.

## Day 3: Cargo Handling and Transfer Operations

- Pre-loading, pre-discharge, and line-testing procedures.
- Step-by-step execution of loading, discharging, and stripping operations.
- Cargo measurement, calculation, and documentation practices.
- Tank cleaning, gas freeing, and inert gas management.
- Simulation: Planning and executing a safe and efficient loading operation.

## Day 4: Environmental Protection and Pollution Prevention

- MARPOL Annex I requirements and compliance obligations.
- Ballast water management systems and pollution control.
- Proper maintenance and documentation in the Oil Record Book.
- Spill prevention, containment, and cleanup procedures.
- Case Study: Managing environmental compliance during port operations.

## Day 5: Emergency Response and Crisis Management

- Fire prevention, detection, and firefighting strategies.
- Emergency response to collisions, groundings, and hull damage.
- Oil spill containment, cleanup, and waste disposal procedures.
- Crisis communication, leadership, and coordination under pressure.
- Capstone Exercise: Developing and presenting a comprehensive emergency response plan.

## Individual Impact

- Strengthen technical and operational expertise in crude oil cargo handling.
- Gain confidence in managing safety and environmental responsibilities.
- Build critical thinking and decision-making skills under operational stress.
- Develop comprehensive emergency and pollution prevention plans.

## Organizational Impact

- Enhance operational safety and environmental compliance.
- Improve efficiency and accuracy in cargo loading and discharge operations.
- Strengthen crew readiness and crisis response capability.
- Reduce risk exposure and operational downtime through best-practice implementation.

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## Training Methodology

This program combines theoretical instruction with applied practice to ensure operational excellence.

Learning methods include:

- Interactive lectures and real-world case studies.
- Simulation-based cargo operation exercises.
- Group workshops on safety, risk, and environmental management.
- Scenario-based emergency response drills.
- Reference materials, templates, and operational checklists for field use.

## Beyond the Course

Upon completion, participants will be equipped to manage crude oil tanker operations safely, efficiently, and in full compliance with international maritime standards. They will return ready to:

- Implement robust safety and risk management frameworks.
- Conduct and supervise complex cargo transfer operations.
- Design and enforce pollution prevention and emergency response protocols.
- Lead operational teams with confidence and technical authority.

A graphic of a chessboard with several chess pieces (a king, a queen, and a pawn) on it, set against a background of concentric circles.

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