



JETTY OPERATIONS AND SAFETY FOR OIL AND GAS TERMINALS



COURSE OVERVIEW

This comprehensive 5-day training course is designed to provide participants with the essential knowledge and practical skills required for safe and efficient jetty operations at oil and gas terminals. The course focuses on the operational procedures, regulatory requirements, safety protocols, environmental controls, and emergency response actions associated with hydrocarbon product loading and unloading at marine jetties.

Participants will gain a thorough understanding of international standards (e.g., ISGOTT, OCIMF, SIGTTO), risk management practices, and industry best practices necessary to ensure safe interface between shore facilities and marine vessels. Interactive sessions, case studies, and practical simulations are included to reinforce key concepts and decision-making skills.

DATES, VENUES AND FEES



21 – 25 December 2025 - Dubai

(5 Days)

Fees

US\$ 4500

Note: Fee is per participant + 5% VAT (if applicable).

Groups from the same company can enjoy a **discounted** price.

WHO SHOULD ATTEND?

This course is appropriate for a wide range of professionals but not limited to:

- Jetty Operators and Loading Masters
- Terminal and Tank Farm Operators
- Marine Supervisors and Port Engineers
- Health, Safety & Environment (HSE) Officers
- Emergency Response Coordinators
- Marine Pilots and Berthing Masters
- Oil & Gas Operations and Logistics Staff
- Personnel involved in marine safety audits or regulatory compliance

CONTACT US NOW

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ACCREDITATION



This training course is certified by CPD.

The CPD Certification Service is the leading independent CPD accreditation institution operating across industry sectors to complement the Continuing Professional Development policies of professional institutes and academic bodies. The CPD Certification Service provides support, advice, and recognised independent CPD accreditation compatible with global CPD principles. CPD is the term used to describe the learning activities professionals engage in to develop and enhance their abilities and keep skills and knowledge up to date. CPD Units are only awarded to programmes after each programme is scrutinised to ensure integrity and quality according to CPD standards and benchmarks.

COURSE CERTIFICATE

MSTC certificate will be issued to all attendees completing a minimum of 80% of the total tuition hours of the course.

CPD internationally recognized certificate will be issued for all participants who will meet the course requirements. CPD certificates will be issued within a month of the successful completion of the course.

TRAINING METHODOLOGY

- Expert-led sessions with dynamic visual aids
- Comprehensive course manual to support practical application and reinforcement
- Interactive discussions addressing participants' real-world projects and challenges
- Insightful case studies and proven best practices to enhance learning

LEARNING OBJECTIVES

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

- Understand the function and layout of jetties in oil and gas terminals
- Apply international regulations and standards for safe jetty operations
- Conduct safe mooring, berthing, loading and unloading procedures
- Identify and mitigate risks associated with jetty operations
- Operate and inspect cargo transfer equipment including loading arms and hoses
- Implement and monitor safety and emergency procedures
- Coordinate effectively with vessel crews and shore-based teams
- Manage environmental risks and comply with pollution prevention protocols

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COURSE OUTLINE

DAY 1

Introduction to Jetty Operations & Safety Standards

- Pre test
- Overview of oil and gas terminal operations
- Jetty types, layout and key components
- International regulations: ISGOTT, OCIMF, SIGTTO, MARPOL
- Roles and responsibilities of terminal and ship personnel
- Safety checklists and documentation
- Ship-to-shore interface: pre-arrival planning and communications

DAY 2

Mooring, Berthing & Cargo Transfer Systems

- Berthing and unberthing procedures
- Mooring systems: types, configurations, and tension control
- Loading arms and hoses: design, operation, and safety checks
- Ship-Shore Safety Checklist (SSSCL) and communication protocols
- Emergency shutdown systems and interlocks
- Static electricity hazards and grounding practices

DAY 3

Safety, Risk Management & Emergency Response

- Hazard identification and risk assessment at jetties
- Permit-to-Work systems and confined space entry
- Fire and explosion hazards: prevention and control
- Emergency response planning and drills
- Case studies: incidents at jetties and lessons learned
- Response to spills, gas leaks, and mooring line failures

DAY 4

Environmental Protection & Pollution Control

- Environmental risks in jetty operations
- Oil spill prevention and containment
- MARPOL requirements and compliance
- Wastewater and ballast water management
- Use of booms, dispersants, and response equipment
- Environmental monitoring and reporting

DAY 5

Operational Excellence & Course Wrap-Up

- Terminal Management and Self-Assessment (TMSA)
- Audit preparation and best practices for compliance
- Performance indicators for safe and efficient jetty operations
- Group exercise
- Action planning and course conclusion
- Post test

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