

OIL AND GAS MARINE TERMINALS

Start Date:	18/01/2027	End Date:	22/01/2027
Categories:	Oil & Gas	Venues:	London
Formats:	In Person	Instructors:	

OVERVIEW

This course provides a comprehensive overview of the operational, safety, and regulatory aspects of oil and gas marine terminals. Participants will gain insights into the critical functions, infrastructure, and risk management strategies essential for the safe and efficient handling of hydrocarbons at coastal and inland waterway facilities.

OBJECTIVES

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

- Understand the key components and infrastructure of oil and gas marine terminals.
- Identify and mitigate the primary operational and safety risks associated with terminal operations.
- Apply relevant regulatory frameworks and standards governing marine terminal activities.
- Evaluate best practices in emergency preparedness and response for marine terminal incidents.
- Recognize the economic drivers and logistical challenges of marine terminal operations.

COURSE OUTLINE

1- Marine Terminal Infrastructure and Operations
2- Safety, Risk Management, and HSSE
3- Regulatory Compliance and Environmental Stewardship
4- Emergency Response and Business Continuity
5- Terminal Economics and Logistics

TARGET AUDIENCE

Terminal managers, operations supervisors, safety officers, engineers, regulatory affairs specialists, and other professionals involved in the management and operation of oil and gas marine terminals.

METHODOLOGY

The course will utilize a blend of expert-led presentations, case studies of real-world terminal operations and incidents, interactive group discussions, and practical exercises focused on risk assessment and emergency response planning.

CONCLUSION

Upon completion of this course, participants will possess a robust understanding of oil and gas

marine terminal operations, enabling them to enhance safety, ensure regulatory compliance, and optimize efficiency within their respective roles.

DAILY AGENDA

Day 1: Terminal Fundamentals

This day focuses on the foundational elements of marine terminals, including types of facilities, key infrastructure like jetties and storage tanks, and the primary cargo handling processes for crude oil and refined products.

Day 2: Operational Safety and Risk

We will delve into the critical safety aspects, including hazard identification using tools like HAZOP studies, risk assessment matrices, and the implementation of robust HSSE management systems specific to marine environments.

Day 3: Complex web of regulations governing marine terminals

This day covers the complex web of regulations governing marine terminals, such as those from IMO, MARPOL, and national authorities, emphasizing compliance requirements for environmental protection and operational standards.

Day 4: Emergency Preparedness and Response

Participants will learn about developing and executing emergency response plans, including EOC activation protocols, spill containment strategies, and conducting table-top drills and after-action reviews for continuous improvement.

Day 5: Terminal Economics and Future Trends

The final day explores the economic factors influencing terminal viability, supply chain logistics, and emerging technologies and sustainability initiatives impacting the future of oil and gas marine terminals.

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For more information, please contact us:

Email: info@gatewayconsulting.com | Phone: +96522968641

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