

€ TRAINING

LNG Management



17 - 21 March 2025
London (UK)



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REF: E1595 DATE: 17 - 21 March 2025 Venue: London (UK) - Fee: 6375 Euro

Introduction:

Managing LNG involves overseeing the processes of production, storage, transportation, and distribution of liquefied natural gas while ensuring efficiency, safety, and compliance with industry regulations. This training program provides comprehensive instruction on the principles, practices, and operations of liquefied natural gas LNG industry management. It equips participants with the skills and expertise needed to effectively manage LNG operations and navigate the complexities of the global LNG market.

Program Objectives:

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

- Explore the LNG industry and key regulations.
- Apply liquefaction and processing techniques.
- Manage LNG transportation and logistics operations.
- Execute regasification and distribution processes.
- Implement safety and risk management protocols.

Targeted Audience:

- Energy industry professionals involved in LNG production, transportation, and distribution.
- Managers and engineers responsible for LNG liquefaction, regasification, and terminal operations.
- Logistics and supply chain managers overseeing LNG shipping, storage, and distribution networks.
- Environmental and safety specialists focusing on LNG industry compliance and risk management.
- Government officials, policymakers, and regulatory authorities involved in LNG industry oversight and governance.

Program Outlines:

Unit 1:

Introduction to LNG Industry:

- Overview of the LNG industry, history, and key players.

- LNG production process from extraction to liquefaction.
- Methods and safety considerations for LNG transportation.
- Market dynamics, supply, demand, and pricing trends.
- Regulatory standards governing LNG operations.

Unit 2:

LNG Liquefaction and Processing:

- Cryogenic cooling and liquefaction technologies.
- Gas treatment and impurity removal processes.
- Types and safety measures of LNG storage tanks.
- Quality control and maintaining LNG specifications.
- Environmental practices for emissions and waste management.

Unit 3:

LNG Transportation and Logistics:

- Types and designs of LNG carriers.
- Key shipping routes and terminal infrastructure.
- Procedures for LNG loading and unloading.
- LNG bunkering operations for fueling vessels.
- Risk management and emergency response plans.

Unit 4:

LNG Regasification and Distribution:

- Heat exchange and vaporization processes.
- Onshore and offshore regasification terminals.
- Pipeline networks and grid integration.
- LNG-to-power projects for electricity generation.
- Expanding infrastructure and market development.

Unit 5:

LNG Safety, Security, and Risk Management:

- Compliance with international safety standards.
- Emergency response planning and strategies.
- Security measures for protecting LNG assets.
- Risk assessment and mitigation techniques.