



*Training Course:
LPG Terminal Designs & Plant Operations Safety*

*10 - 14 March 2025
Cape Town (South Africa)
DoubleTree by Hilton Cape Town - Upper Eastside*

Training Course: LPG Terminal Designs & Plant Operations Safety

Training Course code: HE235780 From: 10 - 14 March 2025 Venue: Cape Town (South Africa) - DoubleTree by Hilton Cape Town - Upper Eastside Training Course Fees: 6545 € Euro

Introduction

This specialized training program, designed by Global Horizon Training Center, is tailored for professionals in the Barging & Cargo Operations Unit involved in LPG terminal designs and plant operations safety. The course provides in-depth knowledge on terminal infrastructure, risk management, and operational safety protocols to ensure compliance with industry standards and best practices in Liquefied Petroleum Gas LPG logistics.

Objectives

By the end of this course, participants will:

- Gain a comprehensive understanding of LPG terminal design principles.
- Learn about storage, handling, and transfer procedures in LPG operations.
- Identify key safety risks and hazard control measures in plant operations.
- Understand emergency response planning and compliance with regulatory frameworks.
- Develop best practices for barge and cargo operations within LPG terminals.
- Enhance operational efficiency and safety in LPG handling and transportation.

Organizational Impact

Implementing best practices in LPG terminal design and operations safety will:

- Enhance workplace safety by minimizing risks associated with LPG handling.
- Improve operational efficiency through optimized terminal design and workflow.
- Ensure compliance with national and international safety regulations.
- Reduce downtime and incidents through proactive risk assessment and hazard management.
- Strengthen environmental sustainability by adopting safe handling and storage procedures.

Target Audience

This course is designed for professionals working in Barging & Cargo Operations within the LPG sector, including:

- LPG Terminal Operators & Managers
- Barge & Cargo Handling Supervisors
- HSE Health, Safety, and Environment Officers
- Marine & Logistics Coordinators
- Supply Chain and Operations Managers
- Engineering & Technical Personnel in LPG Facilities

Outlines

Day 1: Fundamentals of LPG Terminal Design

- Overview of LPG terminal infrastructure
- Types of LPG storage facilities spheres, bullets, cryogenic tanks
- Design considerations for pipeline systems and loading/unloading docks
- Regulatory requirements for LPG terminal designs

Day 2: LPG Handling, Storage, and Transfer Operations

- Safe handling procedures for LPG loading and unloading
- Storage conditions and pressure management techniques
- Role of vapor recovery units VRUs and flare systems
- Integration of SCADA and automation systems in terminal operations

Day 3: Safety Management and Risk Assessment in LPG Operations

- Identifying hazards and risks in LPG facilities
- Fire and explosion prevention strategies
- Gas detection and emergency shutdown systems ESD
- Safety audits, compliance checks, and risk mitigation strategies

Day 4: Emergency Response and Crisis Management

- Development of emergency response plans

- Firefighting techniques and spill containment procedures
- Coordination with regulatory authorities and emergency responders
- Case studies of LPG incidents and lessons learned

Day 5: Best Practices and Operational Excellence in LPG Terminals

- Operational efficiency through preventive maintenance
- Environmental safety and sustainability in LPG operations
- Crew training and competency development
- Hands-on exercises, practical demonstrations, and final assessment

Registration form on the Training Course: LPG Terminal Designs & Plant Operations Safety

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Position:

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Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng):

Position:

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Payment Method

- Please find enclosed a cheque made payable to Global Horizon
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