



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

*7 - 11 April 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: 7 - 11 April 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

### Delegate Information

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

Position: .....

Telephone / Mobile: .....

Personal E-Mail: .....

Official E-Mail: .....

### Company Information

Company Name: .....

Address: .....

City / Country: .....

### Person Responsible for Training and Development

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

Position: .....

Telephone / Mobile: .....

Personal E-Mail: .....

Official E-Mail: .....

### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
- Please invoice me
- Please invoice my company

### Easy Ways To Register

Telephone:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
booking form with cheque  
to: Global Horizon  
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