

Scandinavian Academy Training Center

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Riyadh - Al Khaleej District - Sheikh Abdul Aziz Bin Abdul Rahman Bin Bishr Street - 13223 - Office No. 5 | P.O.BOX : 13224

Course: LIQUEFIED PETROLEUM GAS (LPG),CARGO OPERATIONS AND RELIQUEFACTION

Code	City	hotel	Start	End	price	Language - Hours
OG-776SA	Dammam	Hotel Meeting Room	2027-04-11	2027-04-15	12950 SR	En - 25

Why Choose this Training Course?

Liquefied Petroleum Gas (LPG) has a specialist function in the petrochemical industry, simultaneously providing gas for energy and manufacturing processes. Whilst heavy industry deals with the advent of renewable energy sources, the transition from traditional and established sources will continue for the foreseeable future. Manufacturing processes show no sign of slowing so there is every reason to be confident the LPG industry in terms of production, processing and refining will continue at pace.

This training course will cover all aspects of LPG tanker transportation, both the larger sized tankers delivering propane and butane for heating and the smaller size for manufacturing materials. The hazards and complexities of operating these tankers will be comprehensively covered in this training.

This training course will highlight:

- The range of cargoes transported by LPG tankers
- The properties and hazards of LPG cargoes
- Best practice to protect the commercial interests of the tanker owner
- The complete cargo cycle: dry dock to dry dock
- Risk management and mitigation

What are the Goals?

- Identify the hazards of handling LPG

- Protect the commercial interests of the tanker owner
- Apply current regulations
- Understand best operational practice
- Understand the complexities of the cargo cycle

Who is this Training Course for?

- Energy company oil and gas process managers and operators
- Energy company oil and gas plant managers and operators
- Sales and marketing managers
- Financial directors
- Project managers
- Investment analysts
- Asset managers
- Asset engineers
- Ship and voyage managers
- Ship superintendents
- Cargo surveyors and expediters
- Ships’ staff

Outline

Day One: The Application of Regulation and Mitigation of Hazard

- The range of LPG cargoes
- Regulations
- Properties and hazards of LPG
- Design for safety
- Sources of ignition

Day Two: Atmosphere Control and the Physics of LPG Re-liquefaction

- Physics and chemistry
- Inert gas generators
- Nitrogen generators
- Behaviour of gases
- Re-liquefaction
- Cargo conditioning

Day Three: Types of LPG Tanker and Cargo Tank

- Types of LPG carrier
- IMO ship types
- IGC Code damage assumptions
- Tank types
- Cargo pumps
- Level measurement

Day Four: Safe Working Practices and Preparation for the Cargo Cycle

- Dangerous space entry
- Gas detection instrumentation
- Cargo operational cycle for LPG tankers;
- Preparation for first cargo after dry dock
- Gassing up and cooling down
- Purpose of DPV

Day Five: The Cargo Cycle and LPG Fire Fighting Techniques

- Loading cargo
- Loaded voyage
- Discharge cargo
- Prepare for dry dock
- Personnel protection
- Fire-fighting LPG

The Scandinavian Academy for Training Center adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant receives the training material (both theoretical and practical) in printed form and saved on a CD or flash drive. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training Center.

Program Timings: 9:00 AM to 2:00 PM

The program includes:

- A daily buffet provided during the sessions to ensure participants comfort.
- A closing ceremony on the final day to distribute certificates and celebrate participants achievements.
- **Note: All prices are exclusive of 15% Value Added Tax (VAT).**

Our Success Partners

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