

GAC Training & Service Solutions

Powered by the **National Maritime College of Ireland**

An Introduction to LPG



LPG properties
LPG production
LPG distribution
Types of containment
Thermo-physical properties
Ships, shipping and logistics
Safety & security implications
World LPG markets and trading
Maritime law, regulations and codes of practice
Quantification, record keeping and Letters of Protest

Key features



An Introduction to LPG

Though well-established, the LPG industry is constantly changing to enhance its safety, security, efficiency and environmental protection. Accidents can and do happen, so it is vital for anyone involved in the LPG sector to be aware of its many pitfalls to avoid potential harm to workers or the environment.

Safety - all the way

From the oil & gas fields or refineries through to final distribution, safety and environmental consideration is a must for any company associated with the LPG industry. Incidents at refineries, tank farms or offshore, together with LPG Carrier (LPGC) groundings or collisions, highlight the damage they can do to a company's reputation and revenues. Whilst certain design and regulatory measures have been adopted, the transit of a carrier through restricted water poses the same threat as ever, particularly now that larger vessels are more limited by shippers' needs to maintain reasonable margins. Safety standards during a LPGC transit, handling the ship/shore interface, and learning how to handle incidents to mitigate damage or loss of life are the responsibility of everyone in the LPG sector.

Suitable for all

Whether you are a newcomer to the LPG industry, an old hand (owner, operator, broker, manager, charterer, trader, lawyer or insurer) in need of a refresher, GTSS has developed this 2-day course to provide an overview of the most critical parts of the shipping and distribution of LPG, especially the ship/shore interface and associated operations.

Additional features

- Security measures and restrictions around terminals, and their impact
- The commercial and operational importance of the Ship/Shore interface
- The role of key organisations (IMO, OCIMF, IAPH, etc)
- Comparison of LPGCs compared to other ships
- LPG Carriers
- LPG design materials and equipment
- How LPG is measured and calculated
- Types of LPG transport agreement
- The LPG value chain
- The future of LPG

This course not only provides the opportunity to learn and understand the advanced modus operandi of LPG operations, but also offers a unique opportunity for direct interaction with one of the industry's most experienced authorities on LPG transportation and measurement. On completion, participants should have a thorough understanding of the core principles.

The lecturer

Course developer and lecturer Captain Stephen Gyi has over 40 years of diverse experience in the oil and gas industry, including the rapidly changing LNG sector. He has handled all types of oils and gases at sea including ship to ship transfers, recommended operational changes on offshore platforms, and managed oil and gas tanker fleets. He has also supervised the commercial aspects of transporting oil and gas, audited terminals, and has been involved in the design and construction of import and export terminals, ships and tugs.



Stephen is a valued member of numerous institutions, attends IMO sub-committees and writes for various specialist publications.

The National Maritime College of Ireland

Overlooking the city of Cork is the world's most advanced maritime academic facility – the \$100 million National Maritime College of Ireland. Just a 45-minute hop from London Heathrow Airport, the NMCI is perfectly located to meet the growing training needs of the global shipping community.

GTSS combines the NMCI's state-of-the-art facilities (including a 17 bridge simulator suite and survival pool) with GAC's global reach and 50 years of shipping experience. Courses can be conducted on the NMCI campus, online, at a location proposed by the client or a combination of all three.



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