

GAC Training & Service Solutions

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

An Introduction to LNG

Two days of industry know-how



History of LNG
Properties and handling
Exploration and production
Liquefaction and Regasification
Shipping, logistics and trading
World markets and projected growth
LNG shipping including forecasts
New LNG concepts

Key features



An Introduction to LNG

GAC Training and Services Solutions (GTSS) has developed this two-day course to give structured introduction to understanding LNG. It covers the history of LNG, and its passage from field to the various markets including how it is carried and traded by sea.

Suitable for all

Whether you are a newcomer to the LNG industry, or already in the industry in need of a refresher, this course is aimed at anyone associated with the LNG industry including project and ship owners, charterers, bankers, insurers, operators, engineers, port authorities, etc.

Key Features

- An introduction to LNG
- The history of LNG
- An overview of the principal properties of LNG and how it burns
- Exploration, production and the methods of liquefaction and regasification
- World markets and future projections
- LNG value chain considerations
- Environmental considerations
- LNG carriers and comparisons with other shipping
- Improvements in LNG carriers, and tank sloshing
- Regulations and codes of practice
- The role of shipping agents
- New LNG concepts and building programmes
- Operational safety and LNG fire fighting techniques
- LNG trading, and how it is changing
- Business models and example calculations
- Trading patterns (i.e. Swaps, Diversions, Arbitrage)
- Trading terms and documentation
- Claims and arbitration
- The future of LNG

This course not only provides the opportunity to learn and understand the properties and trading of LNG, but also offers a unique opportunity for direct interaction with one of the industry's most experienced authorities on LNG. On completion, participants will have a thorough understanding of the core principles.

The lecturers

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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