

GAC Training & Service Solutions

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

LNG carrier operations in port



Key features

- The LNG chain
- Safety & security
- Ship/shore interface
- Associated operations
- Mooring & LNG jetty head layouts
- Pre-docking procedures
- Measurements & calculations
- Emergency procedures
- Record-keeping and Letters of Protest



LNG carrier operations in port

The Liquefied Natural Gas (LNG) industry has expanded rapidly over the last decade. Today, the highest safety standards are more critical than ever as the industry strives to maintain its enviable safety record – untarnished since the shipping of LNG began in 1959.

Safety – all the way

Throughout the 'LNG Chain' (from wells to end user), safety is paramount. Continuous LNG boil off during storage ashore, coupled with the way in which LNG is sold, mean safe, cost efficient and punctual shipping between ports is vital. Ensuring the safe passage of LNG carriers (LNGCs) through restricted waters, and that the highest safety standards are maintained in the ship/shore interface at terminals, is the responsibility of everyone involved in the transport of LNG.

Suitable for all

For newcomers to the LNG world or for those already in the industry in need of a refresher, GTSS has developed this 2-day course to provide an overview of the most critical part of the LNG Chain – the ship/shore interface and associated operations.

Key features

- An explanation of the LNG Chain and the importance of safety
- Mooring and LNG jetty head layouts
- Role of key organisations (IMO, SIGTTO, OCIMF, etc)
- Security measures and restrictions around terminals
- The correct type and use of Personal Protective Equipment (PPE) and firefighting equipment
- Pre-docking operation procedures, safe and precise berthing
- How LNG is measured and calculated
- Pre Custody Transfer safety and operation, including checklists
- Pre Custody Transfer Marine Emergency Shut Down (ESD) tests and line cooldown
- Monitoring of Custody Transfer and emergency contingency plans
- Keeping accurate records and issuing Letters of Protest
- Options during any emergency while an LNGC is alongside the LNG berth

The course gives participants a unique opportunity to interact directly with one of the industry's most experienced authorities on oil transportation and measurement.

Who should attend?

Anyone working within the shipping industry such as ship owners, operators, brokers, managers, charterers and commodity traders.

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 industry. He has operated and 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 take place at the NMCI, online, at the client's or any other location or any combination of these. Courses are developed and delivered by some of the most respected names in maritime training.



GAC Training & Service Solutions Ltd

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

Ringaskiddy
Co. Cork
Ireland

Tel: +353 (0)21 497 0609
Email: nmci@gac.com

www.gac.com



wherever you go

