



GAC Training & Service Solutions

powered by **National Maritime College of Ireland (NMCI)**

Liquefied Natural Gas (LNG) carrier operations in port

Deepen your knowledge and understanding of the LNG chain with specialised, high value, technologically advanced training for professionals in the maritime, transport and commodity sectors.



Delivering your strategy.



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.

Throughout the LNG Chain - from source to end user - safety is paramount. 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, GAC Training & Service Solutions (GTSS) has developed a two-day course to provide an overview of the most critical parts of the LNG Chain - the ship/shore interface and associated interface.

The course covers:

- An explanation of the LNG Chain and 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 firefighting and Personal Protective Equipment (PPE)
- 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 Shutdown (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 is tailored to suit participants' exact training requirements, giving them the opportunity to interact with some of the industry's most experienced authorities on oil transportation and measurement.



Who should attend?

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



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 over 60 years of shipping experience. Courses can take place at the NMCI, online, at clients' premises, any other preferred location or a combination of the above.

Courses are developed and delivered by some of the most respected names in maritime training.

Energise a safety culture for your business



About GAC Training & Service Solutions

GTSS is part of the GAC Group, a global provider of integrated shipping, logistics and marine services. Established since 1956, the privately-owned Group employs over 9,000 people in more than 300 offices worldwide. In partnership with the National Maritime College of Ireland, we provide expert delivery of a portfolio of training courses for both seafarers and shore-based shipping personnel.

The GAC Advantage

- World-class professional training available worldwide, delivered by industry experts
- Virtual experiences with R2S digital imagery
- Onsite, offsite or blended learning suited to clients' needs



Compliant with GAC Group's most stringent Health, Safety, Security & Environment policies.

GAC Training & Service Solutions

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Delivering your strategy.

