

# LNG CARRIER SAFE OPERATIONS IN PORT TARGET



## TARGET GROUP

This course provides training for ship and shore personnel with immediate responsibility for the loading, unloading and care in transit or handling of LNG cargo. It comprises a specialized training programme appropriate to their duties, including LNG carrier safety, operational practice, ship/shore interface, associated operations and obligations under applicable laws and regulations.



## OBJECTIVES OF THE COURSE

A trainee successfully completing the course should be able to take immediate responsibility for the safety, security, environmental issues related to the LNG cargo operations and to ensure that the highest safety standards are maintained in the ship/shore interface at terminals.



## COURSE CONTENTS

**The LNG Carrier safe operations in port training course covers the following topics:**

- Introduction. An explanation of the LNG Chain (from wells to end user);
- LNG fleet. Types of LNGC. Importance of safety;
- Role of key organisations (IMO, SIGTTO, OCIMF, etc);
- Pre-docking operation procedures, safe and precise berthing;
- Mooring and LNG jetty head layouts. Loading arms;
- Security measures and restrictions around terminals;
- The correct type and use of Personal Protective Equipment (PPE) and firefighting equipment;
- Management of the LNG tanker and terminal interface
  - Communications Procedures & Precautions;
  - Information from Tanker to Terminal;
  - Information from Terminal to Tanker;
  - Pre-Berthing Exchange of Information;
- Pre Custody Transfer safety and operation, including checklists;
- Loading, carriage and discharging of LNG. Cargo equipment on LNGC;
- How LNG is measured and calculated;
- 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;
- Discussion and Assessment.

### INCOME REQUIREMENTS

None.



### TRAINING APPROACHES AND EQUIPMENT

During training course theoretical lessons are given using PowerPoint presentations, for practical exercises participants can be placed into groups of six or eight people.



### COURSE LIMITATIONS

The maximum number of participants - 24 persons.



### DURATION AND PRICE OF THE TRAINING COURSE.

The duration of the LNG Carrier safe operations in port is 2 working days.

