



LNG & LPG Course

A **two-day** on-site experience
in the **harbour of Rotterdam**



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Course

A TWO-DAY ON-SITE
EXPERIENCE IN THE
HARBOUR OF ROTTERDAM

OBJECTIVES

During a journey through the Port of Rotterdam, you will gain a thorough understanding of hydrocarbon gases as well as in-depth insight into:

- The exploration of gases
- Transport with phase changes
- Handling, loading and discharging of gas carriers
- Operational proceedings of LNG and LPG

After completing the course you will be able to identify the type of gas tanker based on the gas that is being transported, be familiar with the reason for reliquefaction during the voyage, and know the basic components of the plant.



LPG and LNG have a long history ...

Liquefied Petroleum Gas (LPG) and Liquefied Natural Gas (LNG) already have a long history as alternative fuels. LPG was used in cars from their early days but did not prevail; the fact that it only became fluid under pressure made it more complex to use than petrol. In shipping, LNG started to play a role in the mid-20th century, when the first LNG tanker, the Methane Pioneer, was inaugurated in 1959. In 2015, the Agenda for Sustainable Development Goals 2030 was finally agreed upon: the IMO (International Maritime Organization) started working actively towards sustainability goals and LNG started moving more into the centre of attention. Since then, the world has seen double-digit growth of the number of LNG vessels year-on-year.

... and a promising future!

The markets for both LPG and LNG are growing. LPG is being rediscovered by the car industry as an environmentally friendlier option than petrol; LNG has been celebrated to offer one of the most viable routes to reaching sustainability goals in the shipping industry. It seems obvious that we will see more of both in the coming years – and consequently, more and more people will be faced with the risks and claims associated with the transport of these particular commodities.

Now is the time to become familiar with LNG and LPG!

PROGRAMME

The programme consists of the following presentations and tours:

- **An introduction by a chemical engineer**
Learn everything you need to know about gases – amongst others, why gas is a clean and safe liquid/fuel.
- **A visit to the Gate terminal, Rotterdam's LNG terminal**
We take you on a tour through the Gate terminal, its history and its future. The Gate terminal is operational 24 hours a day, 365 days a year. The terminal consists of three storage tanks, two large jetties, a small jetty for bunker vessels, and a process area where the LNG is regasified.
- **A visit to a gas shipping company ...**
Get an inside look at all dealings of a gas shipping company, from a review of their fleet and fleet renewal to safety measures and training of their staff, and many more.
- **... OR a presentation of the Port of Rotterdam**
Find out how the Port of Rotterdam, the biggest port of Europe, handles questions related to LPG and LNG and how it facilitates the growth of this market.
- **A visit to a laboratory**
Learn about the analysis of gas—from delivering the so-called bombes (sample bottles for gas) to collecting the test results of the substances inside.
- **An introduction into gas tankers**
BMT's Danny van der Ent—who has several years of experience as a Chief Officer on board gas tankers and is our expert in the field—gives a presentation, focusing on the transport of gas. The presentation is interactive, and participants are welcome to bring topics related to LNG and LPG as well as chemical gases to the table for discussion.
- **A tour through a gas carrier**
Thanks to our excellent network we have so far always been able to visit a gas carrier at the shipyard, undoubtedly the highlight of each course. Under the guidance of your host, you get the chance to access parts of a gas carrier that are normally inaccessible.

Please note: The programme depends on the availability of our partners and may be subject to alterations.



TARGET AUDIENCE

This course is especially interesting for claim handlers and marine underwriters who want to know more about LPG and LNG.

Have you already attended our Tanker, Terminal and Liquid Cargo Course? Then this LNG and LPG Course is the perfect addition. (Please note: Attendance of any of our other courses is by no means a requirement).

ARRANGEMENTS

- Each participant will receive a certificate of participation.
- Per course, a maximum of eight participants can take part.
- Necessary safety gear and suitable working clothes, as well as guided transportation to and from the port/ship will be provided.
- BMT will host the lunch breaks, dinners and evening entertainment programme.
- Course schedule: Tuesday evening to Thursday afternoon (13:00 hrs)

For more information and reservations, please visit our website:

www.bmt.org/surveys/courses

WE LOOK FORWARD TO WELCOMING YOU TO ROTTERDAM!

