



Liquefied Gas
Systems for the
Marine Industry
**Transport
and Fuel**

The Gas Experts

Innovations for
Greener Shipping



STRATEGIC GOALS



OUR VISION

Under our vision THE GAS EXPERTS – Innovations for Greener Shipping, 100 employees, most of them engineers at TGE Marine's headquarters on the Rhine, Germany, along with 20 other employees worldwide, are making a contribution to more sustainable shipping.



OUR MISSION

We are the leading provider of clean and efficient gas handling and fuel gas systems for the marine industry. Our motivated and skilled team creates value together with our customers by developing plants to the highest standards, paving the way for a sustainable future.



OUR VALUES

→ **Keeping the Promise**

We are a reliable partner and show high integrity. We take responsibility for all our actions.

Honesty, openness and transparency are the key to our strong working relationships.

→ **For Greener Shipping**

We are committed to use nature's resources responsibly.

It is our goal to enhance vessels with clean and efficient systems to reduce their ecological footprint.

→ **Passion for Innovation**

We develop innovative solutions for our customers and deliver sustainable products of the highest quality.

Our passion and experience enable us to discover new ways for the future.

→ **All Aboard**

Our greatest asset are the people who work in our crew.

Our collaboration is based on trust, fairness and respect. Diversity is our strength and basis for innovation.



YOUR RELIABLE PARTNER FOR LIQUID GAS SYSTEMS

TGE Marine Gas Engineering is the leading liquefied gas systems' provider, specialising in the design and engineering of cargo handling systems and tanks for any type of liquefied gas carrier, bunker ship and FSRU.

We work under Engineering Procurement Construction-Supervision (EPCS) agreements on liquefied fuel gas systems for LNG, Ammonia (NH₃) and future fuels. We are a pioneer in the dynamic field of LNG fuel gas systems, LNG bunker vessels and LNG floating storage and regasification units (FSU, FSRU).

With our passion for innovation, we are supporting the industry with technical solutions for a sustainable future, such as alternative fuels or CO₂ transport for CCS projects.

TGE Marine in Figures

40+

years of experience

250+

gas tankers

400+

cargo and fuel gas tanks

100+

fuel gas systems

1

crew

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TGE Marine Milestones



- ✓ World's first high pressure LNG fuel supply system



- ✓ World's biggest fuel gas system for a crane vessel



- ✓ World's first combined 7,500 m³ LNG/ LEG/LPG carrier



- ✓ World's largest ethylene ship: 37,000 m³ ethylene/ethane carrier



- ✓ World's first 16,100 m³ FLNG



- ✓ World's first LNG bunker new building



copyright-Wessels Reederei

- ✓ World's first conversion of a container vessel



- ✓ World's largest LNG carrier based on type C tanks



- ✓ World's first FRU Barge



- ✓ World's first fuel gas system for an IceClass vessel



- ✓ World's first vacuum insulated LNG fuel tanks



- ✓ World's biggest PCTC, entering in service in 2024

OUR PRODUCT RANGE



Fuel Gas Systems



provided by Crowley Maritime Corporation

Modularised gas systems and tailor-made solutions

- Type C LNG tanks or vacuum insulated type
- Gas processing system
- LNG, LPG, Ammonia, Ethane and alternative fuels



Ammonia (NH₃)



Cargo handling systems and fuel systems for NH₃ carriers and bunker vessels

- Ammonia shuttle tanker
- Ammonia fuel systems
- Bunker vessels



Gas Carriers



Cargo handling system and tanks

- Gas handling and storage systems for:
- LPG carriers
 - Ethylene carriers
 - LEG carriers
 - CO₂ carriers
 - LNG shuttle tankers
 - other Gas carriers



Bunker Vessels



Tailor-made cargo handling and storage systems

- Cargo handling and fuel supply systems as well as type C storage solutions:
- Bunker vessels



Floating Units



FSRU applications and regasification plants, including import terminals and gas storage solutions

- Floating LNG/LPG solutions



CO₂ Carriers



Liquid CO₂ transportation

- Shipping of and floating solutions for Carbon Capture & Storage (CCS)

- Class Approvals
- Type C Tanks
- Naval Architecture
- Engineering
- Procurement
- Construction Supervision
- Project Management
- FEED Studies
- Training
- After Sales
- Service & Support
- Operational Support



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