



Gas Infrastructure Europe

Accessing LNG Regasification terminals: services

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- GLE (Gas LNG Europe) is one of the three columns of GIE (Gas Infrastructure Europe)



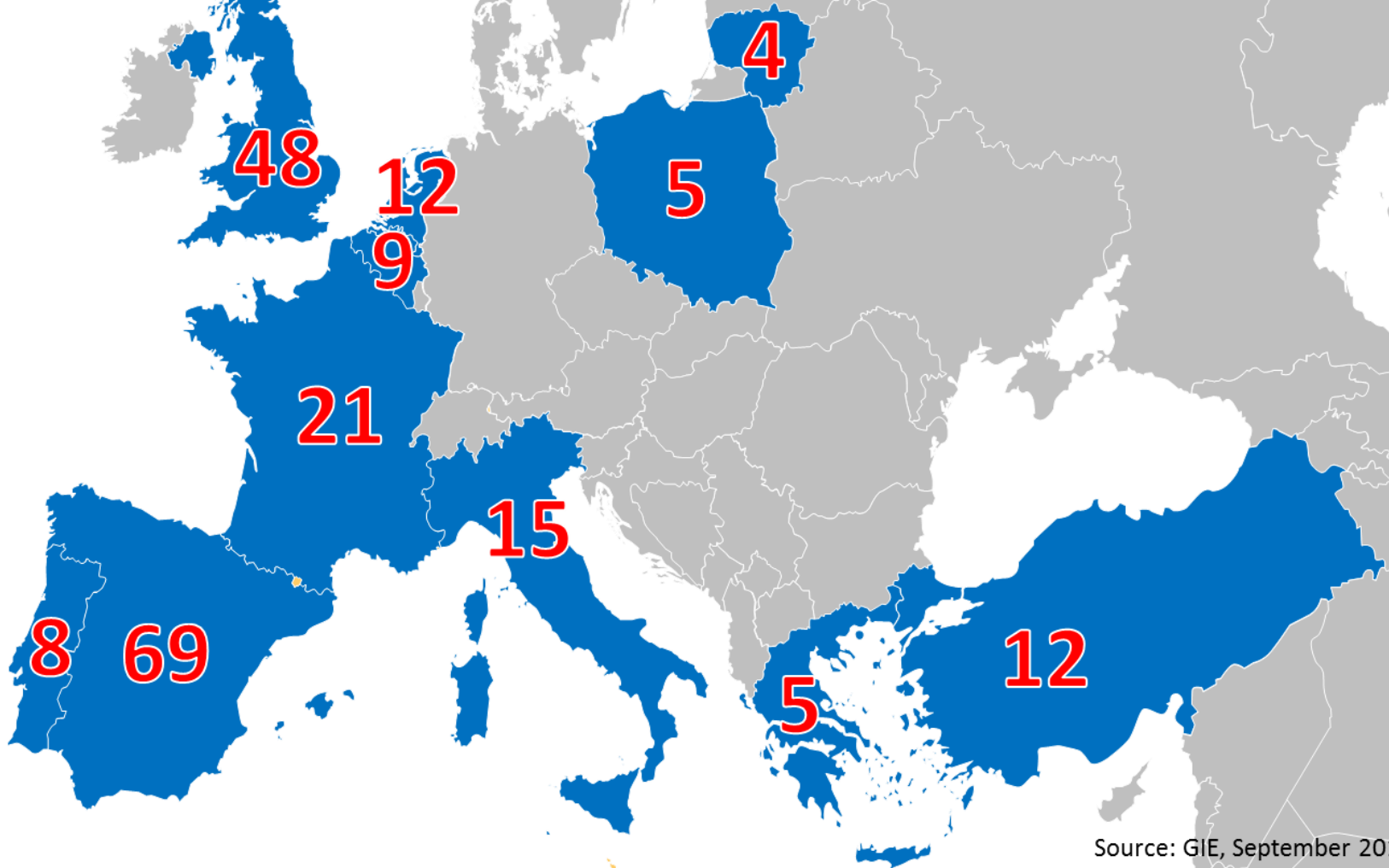
- GLE membership:
 - 16 member companies
 - 9 countries
 - 2 observers

↙ **GLE represents ≈90% of regasification capacity in the EU**



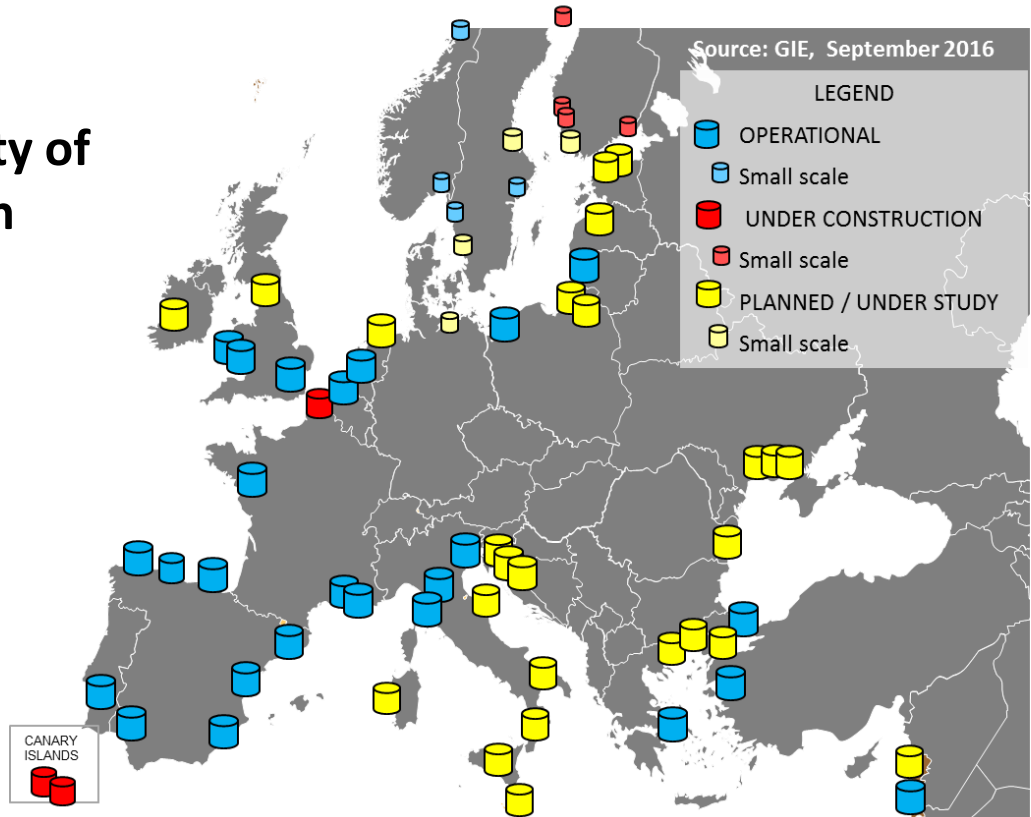


Total send out capacity of large-scale LNG terminals: 208 bcm NG/year



Annual regasification capacity of LNG import terminals (billion m³(N)/year)

	EU-28	Europe
operational	197	208
under construction	29	29
planned	127	161



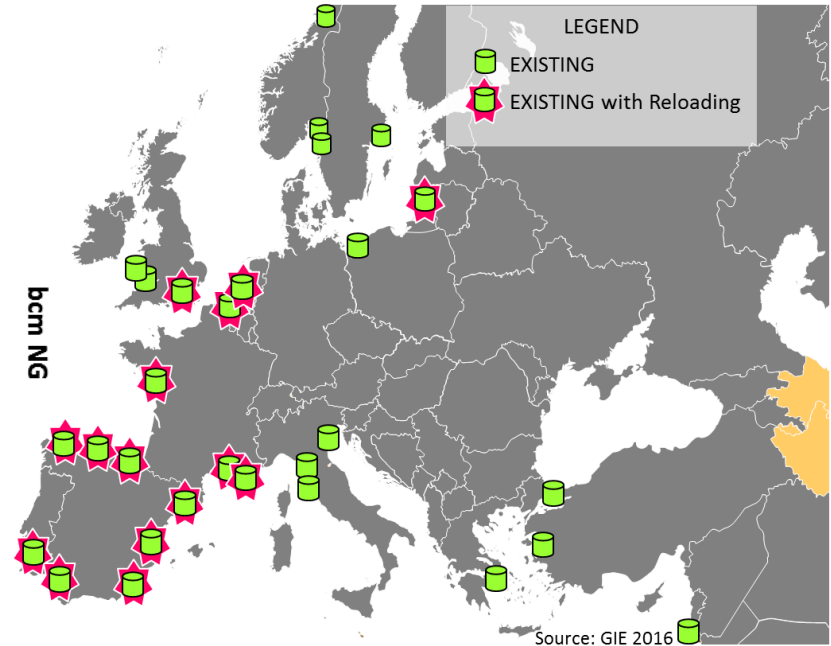
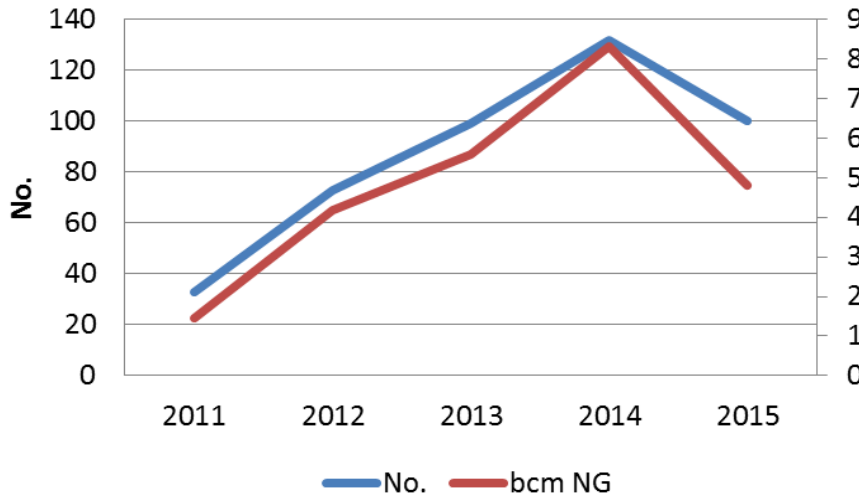
Detailed information on LNG terminals available at www.gie.eu, Maps & Data

Number of LNG import terminals per type

	operational	under construction	planned
incl. Large-scale	24	3	23
FSRUs and others	2	0	11
Small-scale	4	4	4
Total	29	6	27

Moving LNG from LNG storages to countries where gas is more valued

Reloading development



Re-exports

- In 2015, 100 operations were done and about 8 mcm LNG (≈ 4.8 bcm NG) was reloaded

Moving LNG from LNG storages to countries where gas is needed

Transshipment

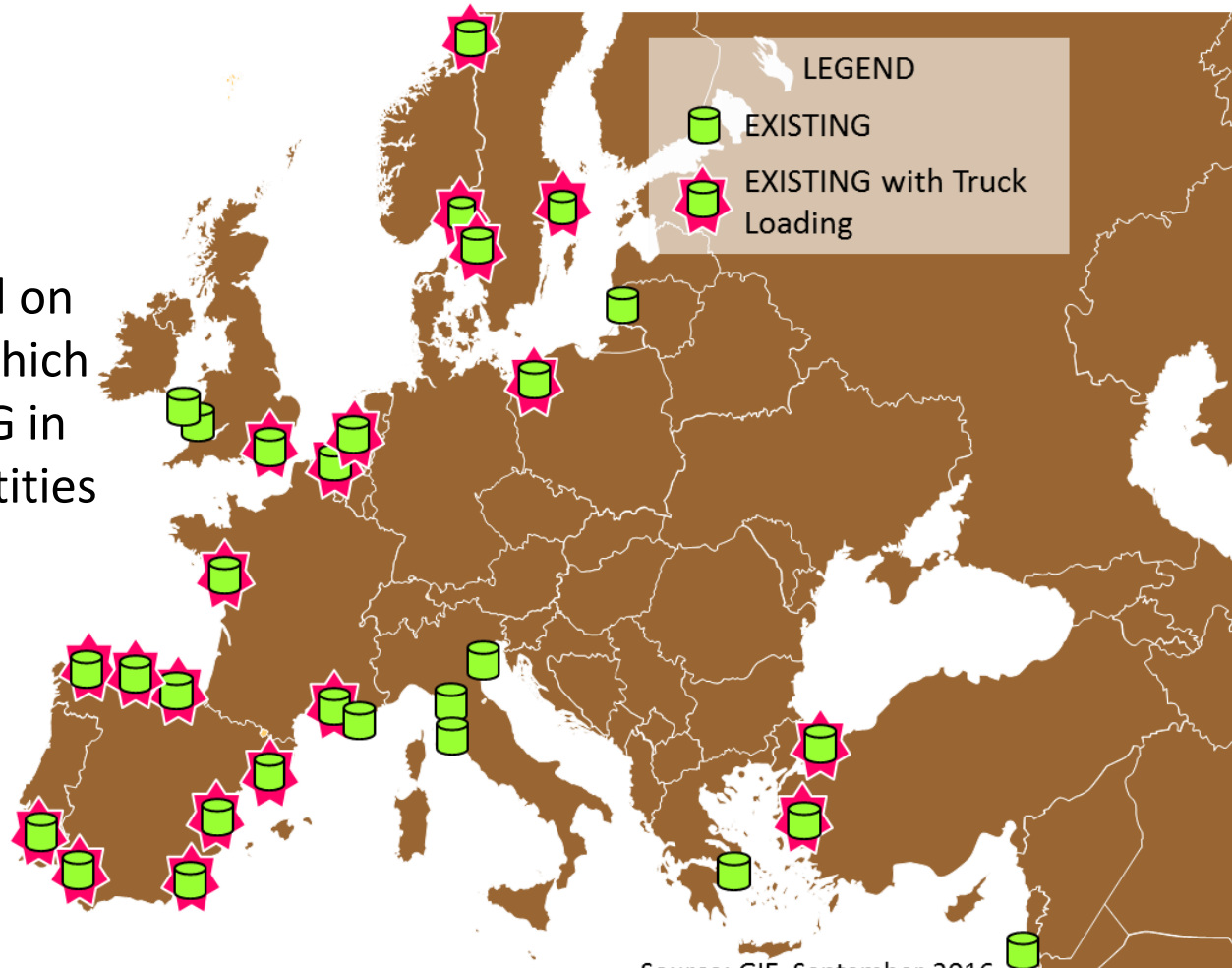
- Transfer of LNG from one vessel to another
- Offered in Belgium, France, Spain, The Netherlands, UK



Supplying LNG satellite storages by trucks (1/2)

Truck loading

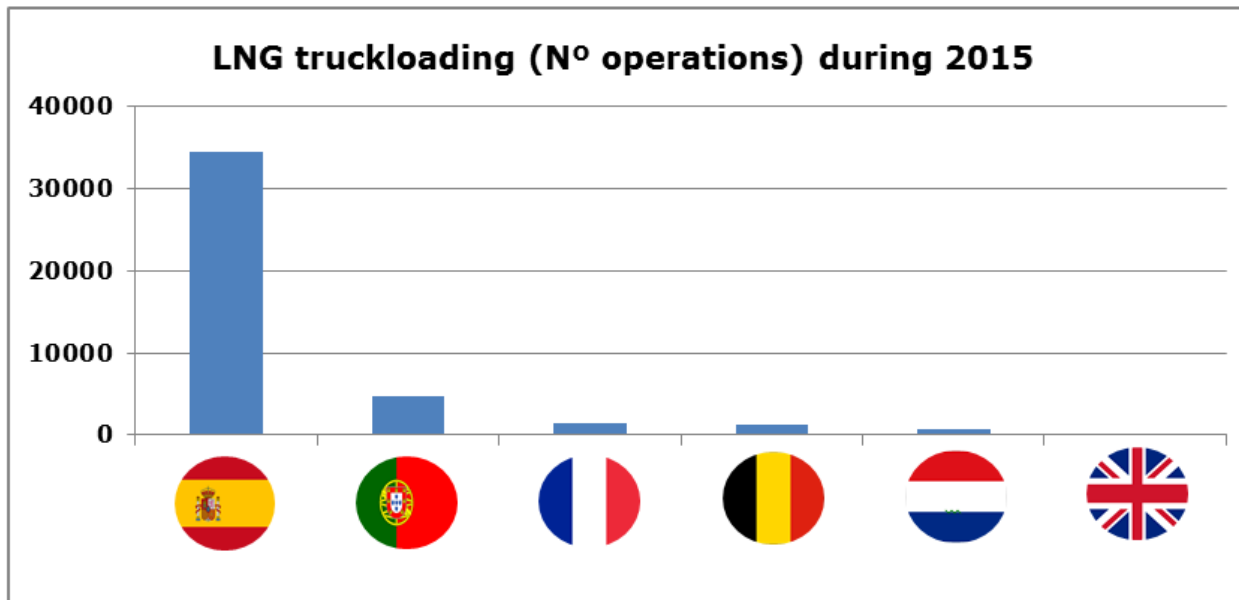
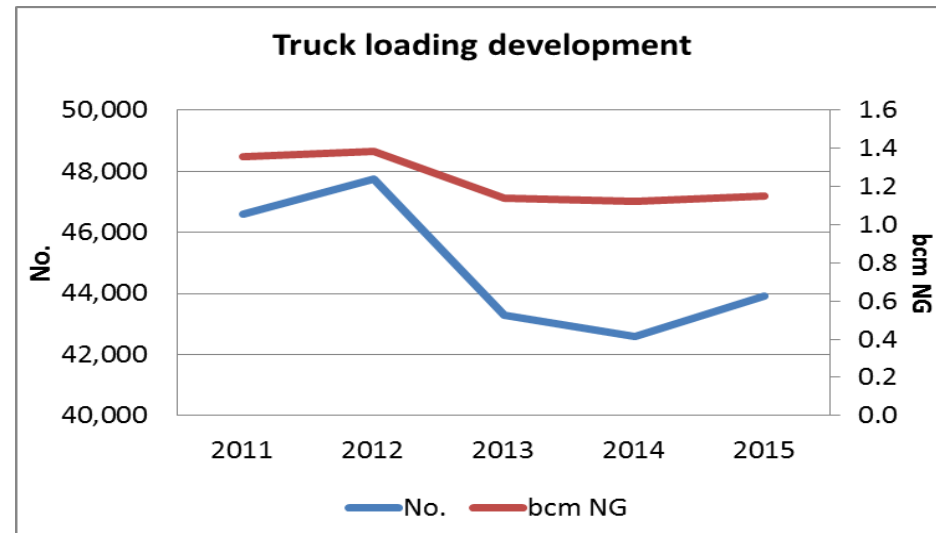
- LNG is loaded on tank trucks which transport LNG in smaller quantities



Supplying LNG satellite storages by trucks (2/2)

Truck loading

- Almost 44,000 trucks loaded >1.9 mcm LNG (≈ 1.15 bcm NG) at truck loading facilities at large-scale LNG terminals in 2015



Source: Reganosa

Loading of bunkering ships

- LNG is loaded on bunkering ships which supply to LNG-fuelled ships or LNG bunkering facilities for vessels
- Available in Belgium, France, The Netherlands and Spain



Rail loading

- LNG is loaded on rail tanks which transport LNG in smaller quantities
- This service has not been available in Europe yet
- Pilot projects being currently under study in France, The Netherlands, Poland, Spain and United Kingdom





EU LNG Terminal Operators developing new services

- GLE aims to enhance the cooperation between the European LNG terminal operators with a view to facilitating access to LNG terminals, fostering new developments, increasing transparency and accelerating progress towards completing the internal gas market.
- LNG terminal operators offer a variety of services. However, the LNG world is changing rapidly and so the market needs.
- In order to keep their EU LNG terminals as attractive as possible, optimise their utilisation and foster investments in LNG Infrastructure, **LSOs should be able to quickly develop services in line with LNG market needs.**
- Any regulatory barrier or unnecessary administrative burden should be removed, so that new services are developed on a timely and efficient manner.

GIE is proud to support



Gas Naturally

GN is a campaign to showcase the essential role of natural gas in the forthcoming energy revolution. The mitigation of climate change has become one of the most important issues for the gas industry.

**Thank you
for your kind attention.**

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