



Member of Group 

Leader of Clean Fuels in South-East Europe



The Company



Leading the development of the **clean fuels economy in Greece and the broader region**, with equal focus on on-shore (industrial & commercial, microgrids, transport) and off-shore (marine) applications

LNG

- Liquefied Natural Gas
- Up to 40% reduction in CO2 emissions compared to conventional fossil fuels
- Elimination of local pollution caused by SOx, NOx, and Particulate Matter
- Proven, safe and reliable for powering industry, road-transport and shipping
- Commercially viable today

bioLNG

- Liquefied bio-gas produced by liquefying bio-methane derived from biogenic waste
- Elimination of CO2 emissions, a truly renewable fuel
- Elimination of local pollution caused by SOx, NOx, and Particulate Matter
- Transported, stored, and consumed using exact same equipment as LNG

Hydrogen enabled fuels

- Ammonia, Methanol, or e-LNG produced from green hydrogen, derived via electrolysis
- Carbon neutral, non-polluting fuels
- Can be used directly as fuels for industrial process heat, road-transport and shipping

Blue Grid – Current Scope



Clean Fuels for Industry

- Industrial customers, mainly in remote locations and lacking access to the Natural Gas grid
- Process heat

Clean Fuels for Transport

- Heavy-duty vehicles, currently consuming Diesel
- Lighter duty vehicles, city and intra-city buses
- Personal vehicles (CNG)

Clean Fuels for Shipping

- Coastal, passenger, and merchant ships currently running on LSFO or MGO
- Focus on LNG and bioLNG
- Gradual shift to e-fuels, as the case may be

A strong partnership with a pan-European footprint



- Since 2022, **Blue Grid** has joined forces with **Molgas Energy Holding**, which became a shareholder
- Blue Grid and Molgas form the **biggest LNG supplier in Europe** with an even broader geographical footprint, currently extending to **19 countries**



Molgas Energy Holding



The **leading downstream LNG supplier** in Europe, with hands-on experience exceeding **25 years** and presence in **8 countries**

6.4
TWh/year
LNG

30
GWh/year
Biomethane

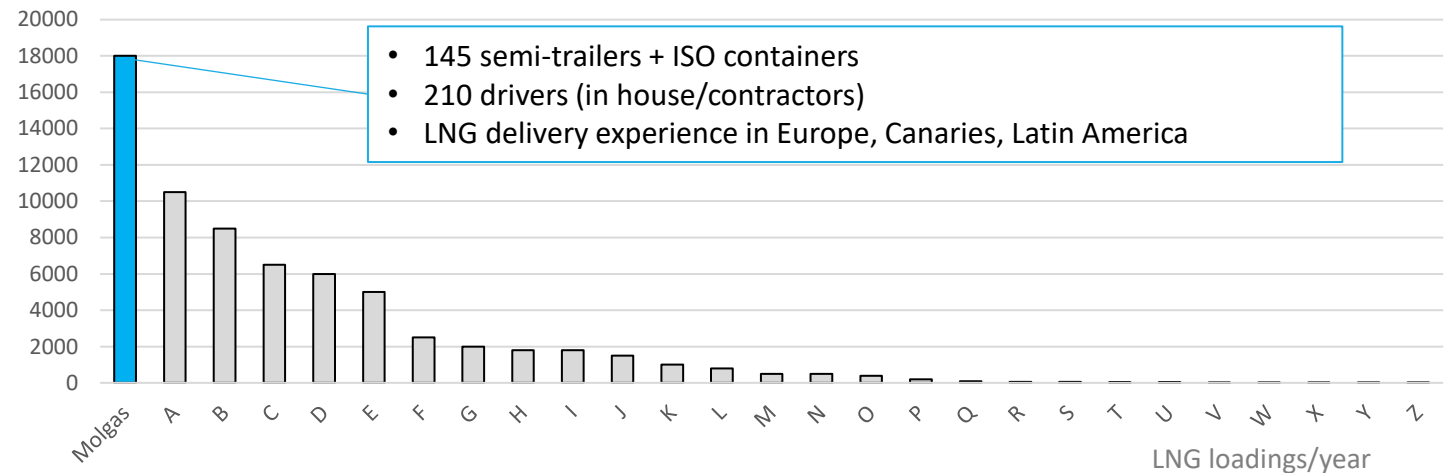
22,000
loadings/year

210
Ind. Customers

2
LNG vessels

54
Filling Stations

The largest downstream LNG supplier in Europe

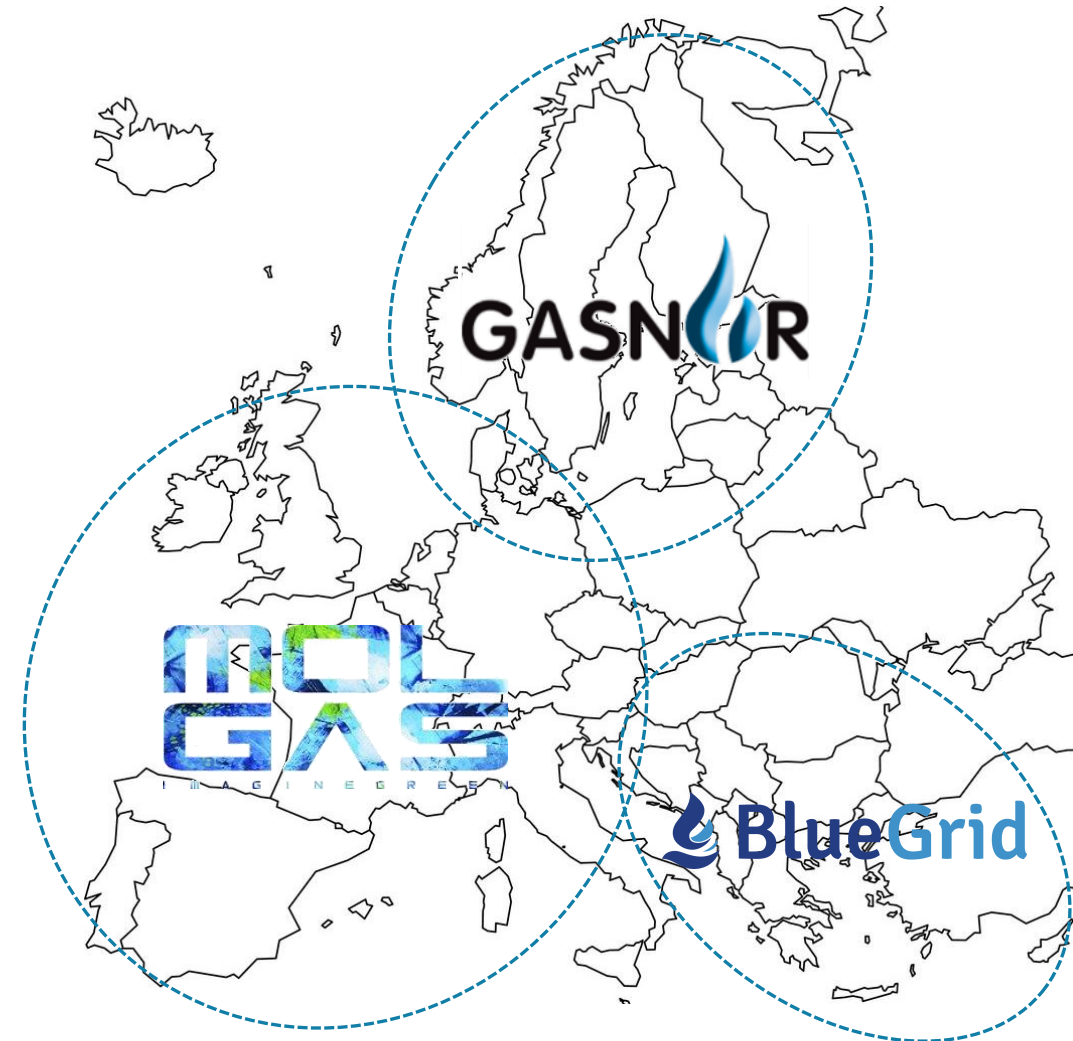


Industrial clients' references:

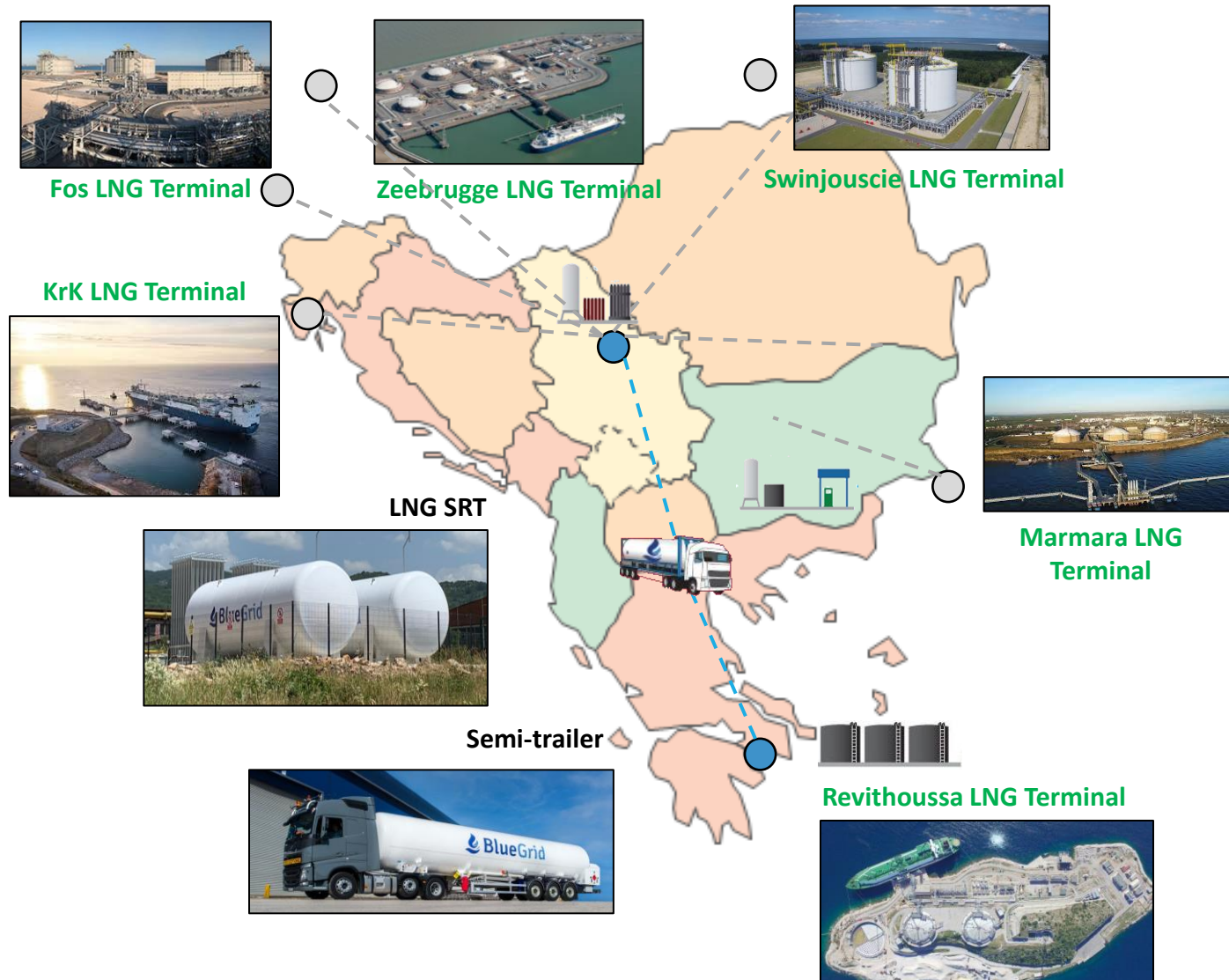


Blue Grid as the LNG market maker for SE Europe

- The **new Group** is leading the development of supply chains for LNG and clean fuels in Europe, **having a strong presence across the continent**, via subsidiaries and affiliate companies
- **Blue Grid is leading** the development of projects and customers within **SE Europe** (spanning from Cyprus to Hungary)
- In collaboration with local partners, in 2021 Blue Grid founded **LNG Blue**, a **subsidiary based in Belgrade** actively developing projects in the Balkan region
- **Molgas** is respectively responsible for business development in Central and Western Europe, whereas **Gasnor** is responsible **for Scandinavian countries**



Onshore LNG Supply – Logistics Overview

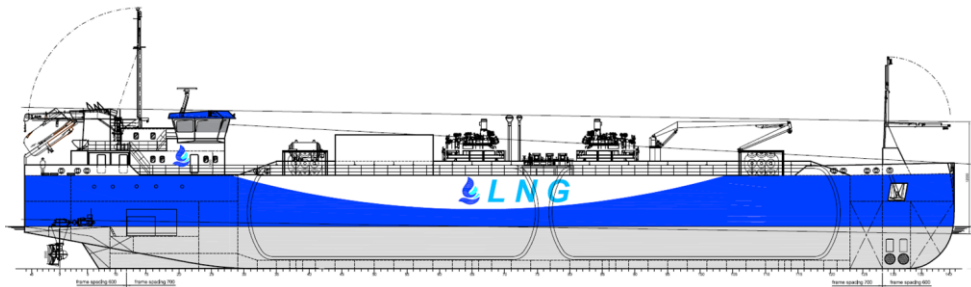


Downstream LNG Infrastructure

LNG Semi-Trailer



LNG Bunkering Vessel (LNGBV)



Revithoussa LNG Terminal



Operational in Q1 2023

Truck loading station

Small Scale LNG jetty (vessels from 1000m³ to 20.000m³)

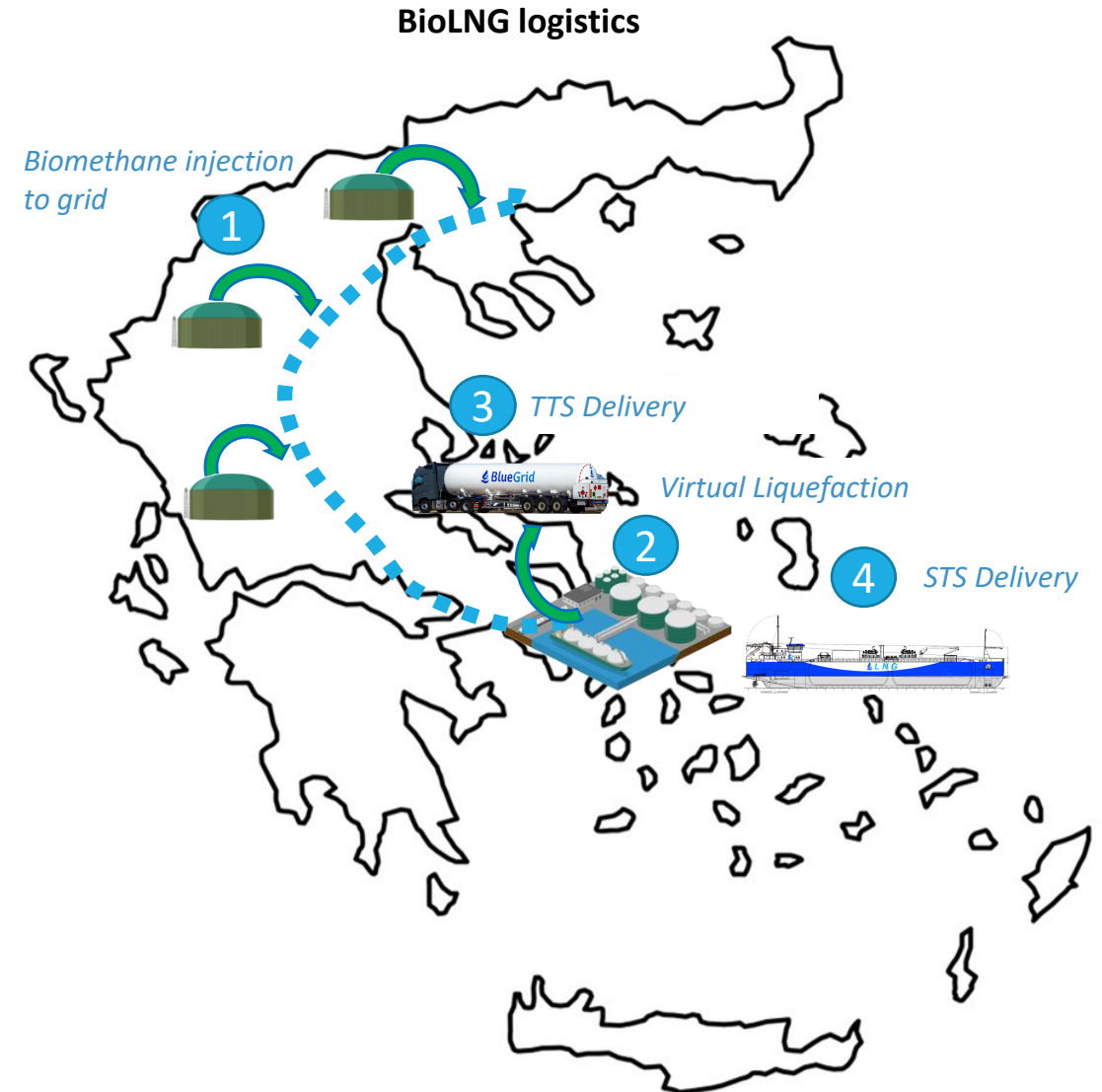
Operational by Q4 2023



Biomass - The BioLNG component

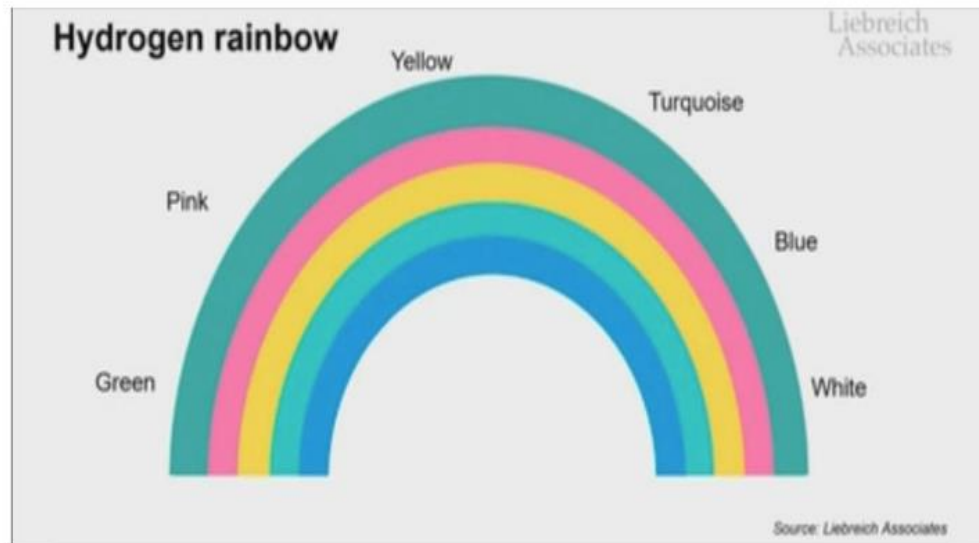
- Blue Grid is developing a portfolio of **biomethane and bioLNG projects**
- Although of different carbon footprint - and hence of different economic value - the output of each project shall be qualified as **“advanced biofuels”** (as per EU RED II provisions)
- The most efficient method for converting biomethane into bioLNG is through the existing gas grid (**“Virtual Liquefaction - VL”**)
- **BioLNG** is a viable way to decarbonize certain sectors of shipping, while also solving local waste problems

The main challenge – availability of waste and production scale-up to reach required volumes

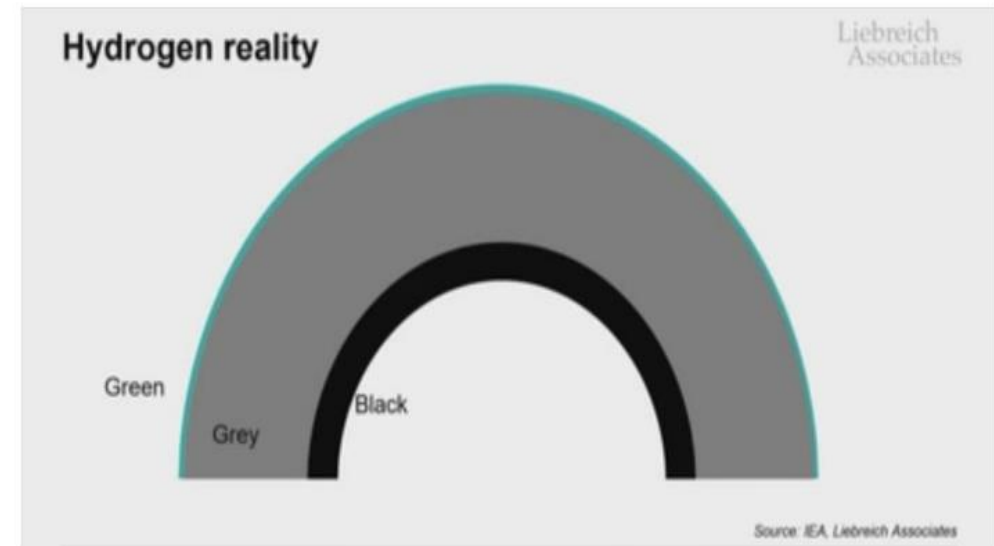


The challenge with e-fuels and hydrogen...

Hype around hydrogen



Reality how hydrogen is actually made





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