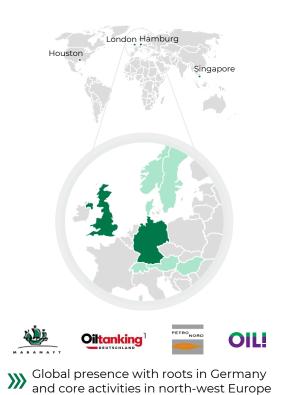


Mabanaft GmbH & Co. KG | NECG | 2023

Fuelling the Tomorrow – an energy concept for sustainable transport Oleksandr Siromakha, Head of Sustainable Fuels, Mabanaft GmbH & Co. KG

## Mabanaft Group snapshot



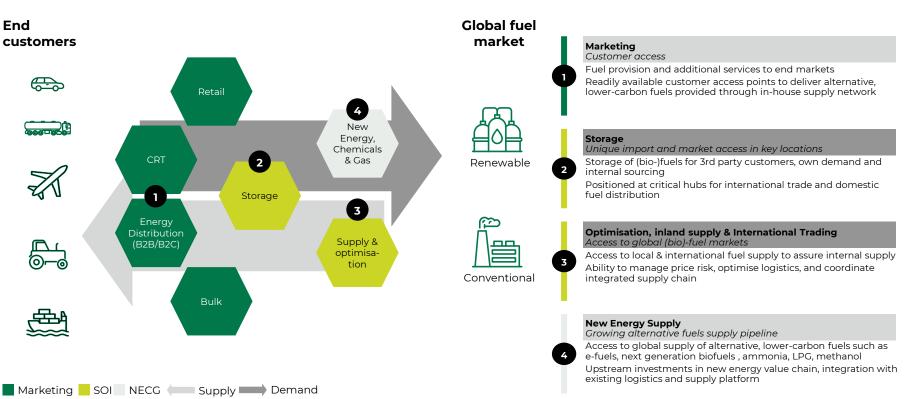




1. Germany and Hungary; 2. Franchise network in Hungary

# Direct access to the end-market side of the supply chain with support of a strong integrated business





# Diverse and international customer base with direct customer access points







**Direct end-market** feedback allows active customer support in managing the energy transition and to prepare for business opportunities at an early stage

#### Retail 6% Extensive retail network in Europe with 334 stations 71% of stations are manned, offering fuel and non-fuel such 20% 334 OIL as, core convenience, coffee and food, as well as car wash Stations programs 1% <sup>1%</sup> 0% CRT Part of largest independent pan-European tankpool24 network 25% Building out full service offering truck stops under the Onroute brand in the UK with fuel and non-fuel services. ruck stop

Providing fuel cards and fleet management solutions under Thomas Silvey brand

#### Bulk

- >70 years of history with global reach and local network of agricultural and industrial customers coupled with unique value proposition in aviation and marine
- Access to energy retailers, major commercial customers, resellers, service stations and supermarkets as customers

#### Storage

- Strategically located terminals offering a unique proposition
- Main storage services are provided for O&G majors, strategic reserves, other fuel retailers and traders and internal marketing organisation



74%

5%

267

7 sales

offices

Terminals

17%

17%





## Our New Energy, Chemicals and Gas Business



#### Sustainable Fuels



- PTL (synthetic) fuels innovation and future supply
- Hydrogen opportunities
- Sustainable Aviation Fuels
- Advanced biofuels
- Other alternative lowcarbon fuels

#### Chemicals



- Ammonia trading and supply
- Participation in GCA Ammonia project (USA)

#### Hydrogen



Hydrogen large scale
 infrastructure projects

#### Gas



 Trading, supply and project development for NGLs and their derivatives

#### Emissions & Energy



 Emission certificates and energy trading and optimization

## Our concepts for sustainable transport





to decarbonize the existing **car and truck fleet**, Mabanaft offers **biofuel blends** and is developing **e-fuels and advanced biofuels** to gradually replace fossil components completely.



Mabanaft is already supplying the first volumes of **SAF fuel** for Oslo Airport. **e-SAF** fuel will play a key role in the decarbonization of **aviation**. We plan to offer e-SAF from 2026 and are preparing our storage infrastructure for this.

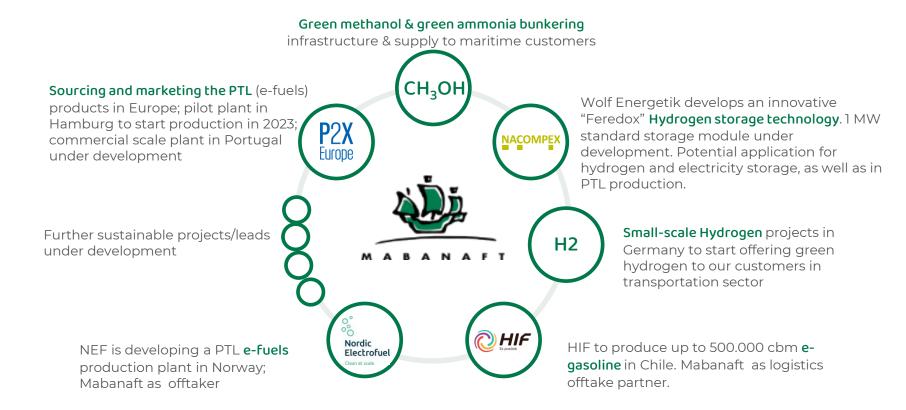


The decarbonization of **shipping** also begins with the blending of biofuels. In the long term, ships will run on CO2-neutral **methanol and ammonia**. Mabanaft will start producing ammonia in 2023 and develop the supply of green methanol for our shipping customers.



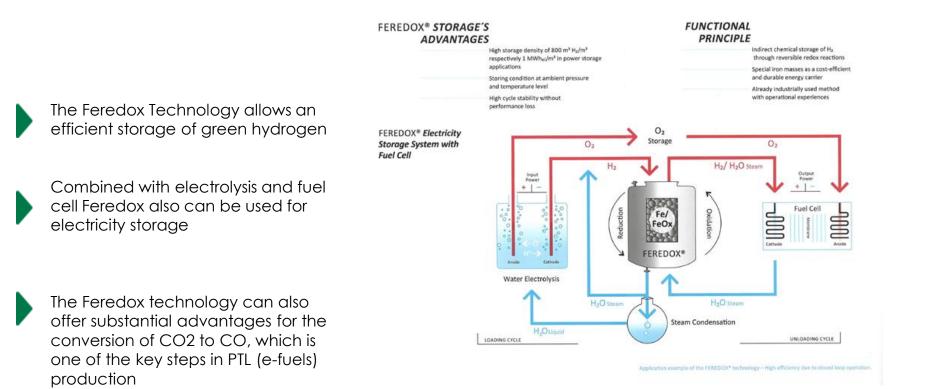
In the long term, green **hydrogen** will play an important role in decarbonizing **transport and industry**. Mabanaft has announced a major infrastructure project for ammonia and hydrogen in the port of Hamburg. In addition, we are developing small-scale hydrogen projects to accelerate the transition and investing in promising hydrogen storage technologies.

# Sustainable fuels focus & project pipeline



## Our Hydrogen storage technology





Mabanaft Group | Introducing Mabanaft | NECG



#### Renewable Hydrocarbons

## First e-diesel volumes

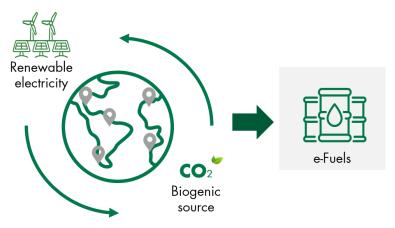


Mabanaft will be the first supplier bringing volumes of e-diesel into the market from the pilot plant in Hamburg already in 2023

We are now working with partners to use the first e-diesel volumes to demonstrate different applications in different areas of transportation

Commercial scale plant in Portugal under development

Some E-fuels will be produced in Germany and Europe. Large production volumes are feasible in the regions with abundant and constant renewable energy: Mabanaft storage infrastructure will be used to import e-Fuels from those regions



## Next Gate demo plant





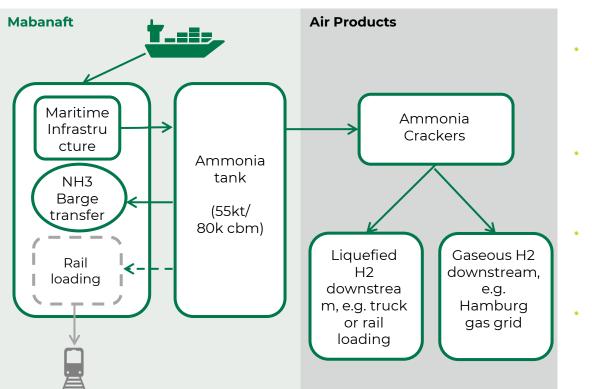
#### Green Methanol/Ammonia for Shipping



- Working with our marine customers who plan to switch to green methanol or green ammonia as an alternative fuel
- Methanol storage and bunkering infrastructure development being analyzed
  - Retrofit tanks and pipelines to import and store methanol
  - Development of methanol bunkering infrastructure
- New Energy Gate Hamburg our green Ammonia / hydrogen storage project
- MoU with Hapag-Lloyd to evaluate options for the supply of ammonia as bunker fuel



## New Energy Gate Hamburg

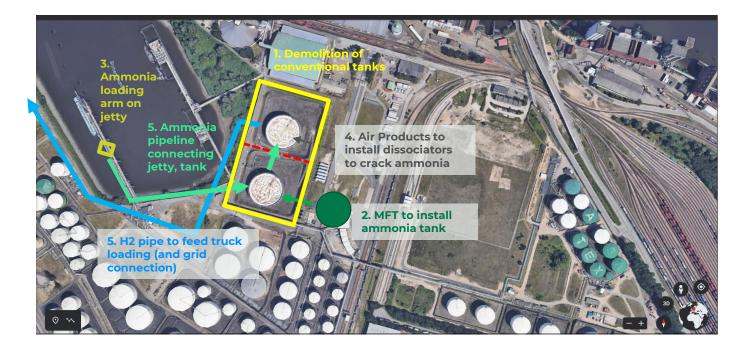


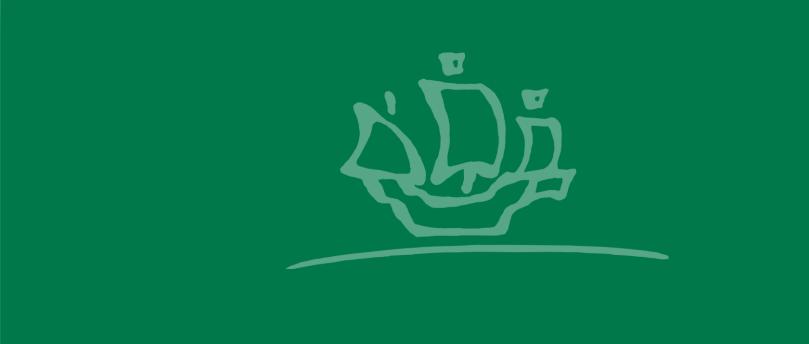


- Air Products will produce clean ammonia at various locations worldwide and ship it to Hamburg. Mabanaft also has the option to import clean ammonia to Hamburg.
- Importing the clean ammonia and converting it back into clean hydrogen at the Mabanaft terminal in Hamburg.
- Lighthouse project for clean energy imports.
  The project will also reduce dependence on Russian oil and gas imports.
- Commissioning planned for 2026

### New Energy Gate Hamburg – Blumensand Terminal







# Mabanaft – fuelling tomorrow.

www.mabanaft.com