

# EPCA 2024

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Together smarter: Transforming the petrochemical industry

## **North Sea Port partners:**

Gadot Group, Ghent Transport & Storage, Mervielde, SEA-Tank Terminal



# Central position in Europe

Vlissingen, Terneuzen, Ghent



# Top 10 European port

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Goods traffic  
Hamburg - Le Havre range **6**

Goods traffic  
Europe **9**

Added value  
Europe **3**



**550**

Companies

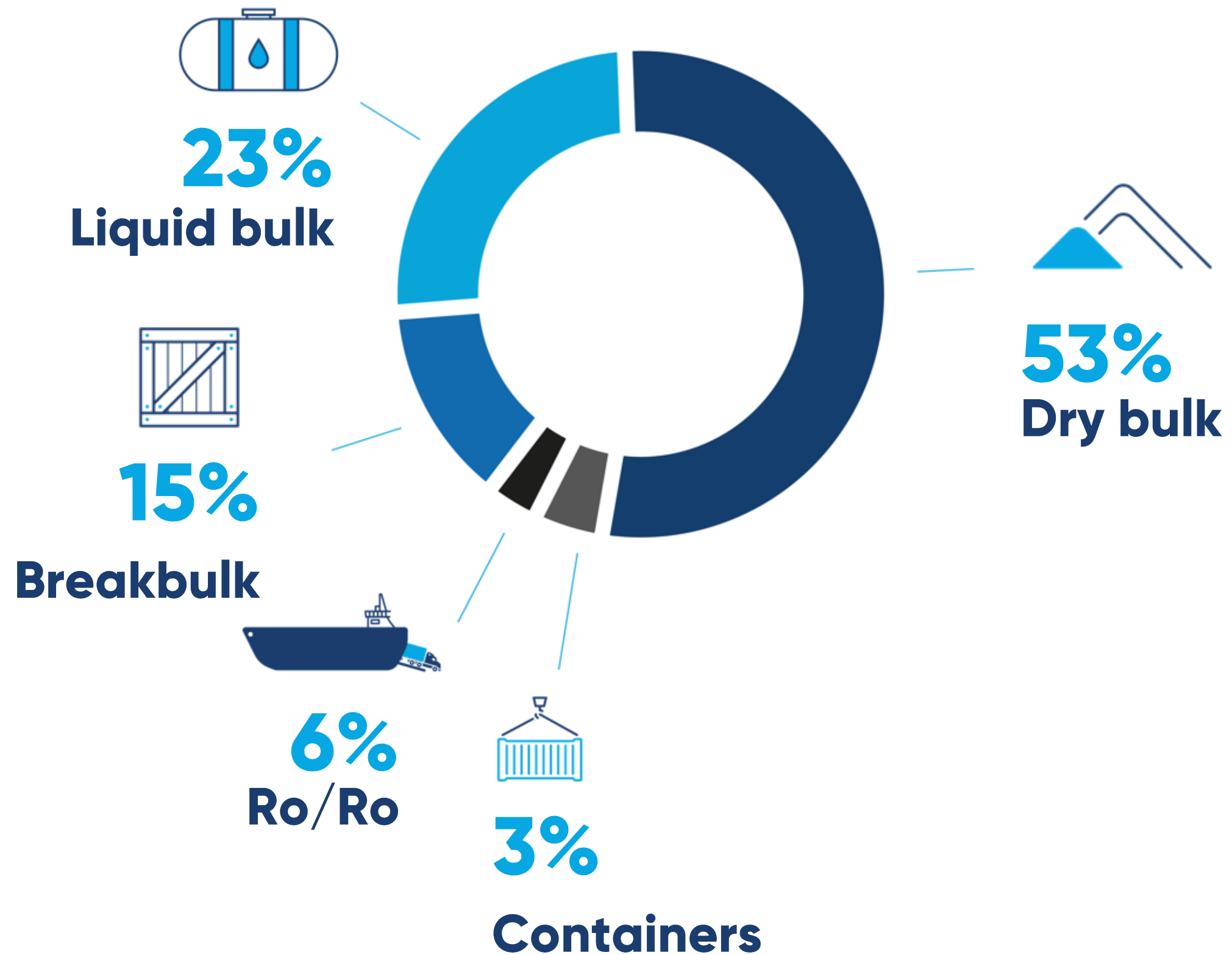
**106,000**

Jobs

**12.7 billion euros**

Added value

# Specialists in bulk and general cargo



# Excellent maritime access



## Draught

**17 m**  
in Vlissingen

**12.5 m**  
in Terneuzen and Ghent

**9,100 ha**  
port area size

**60 km**  
cross-border area stretching  
from Vlissingen to Ghent

**54 km**  
quay walls

**19**  
ports/docks

**139 km**  
internal roads

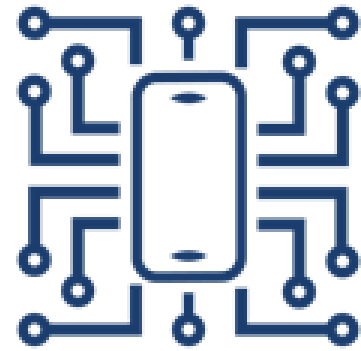
**290 km**  
internal track

# 8 strategic programmes

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**Invest in climate**



**Digitisation and data community**



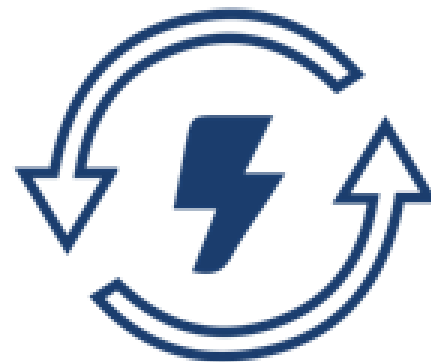
**Working with local communities: license to operate**



**Connector of collaborating parties**



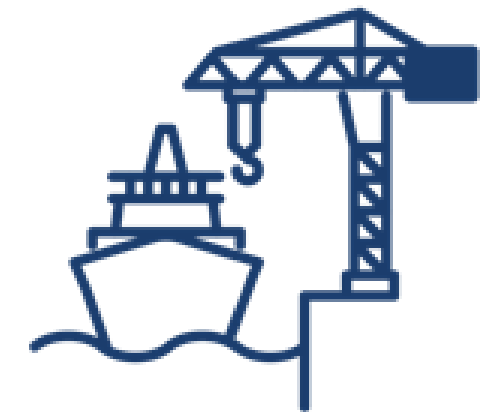
**Invest in the circular economy**



**Invest in the energy transition**



**Strong logistics chains**

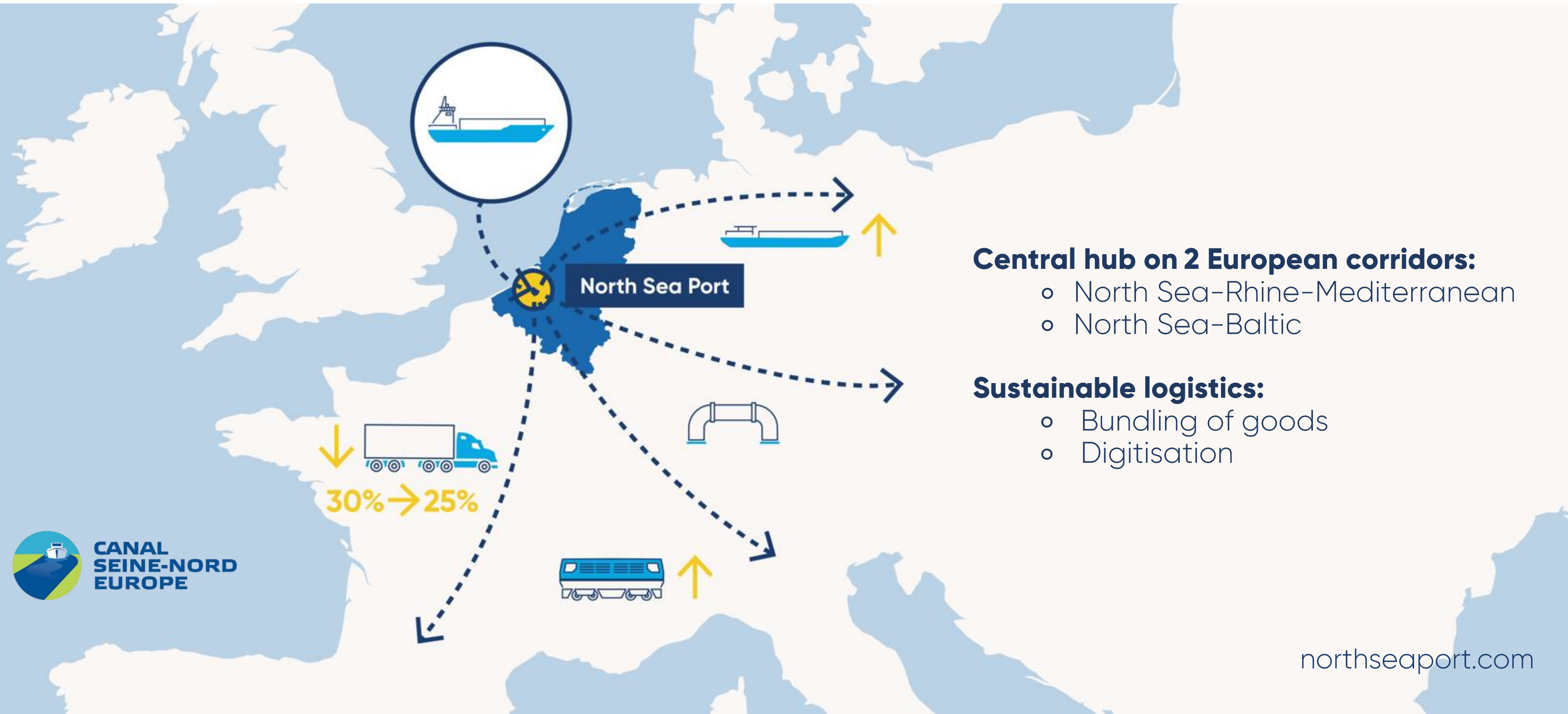


**Port infrastructure**

# 7 spearhead sectors

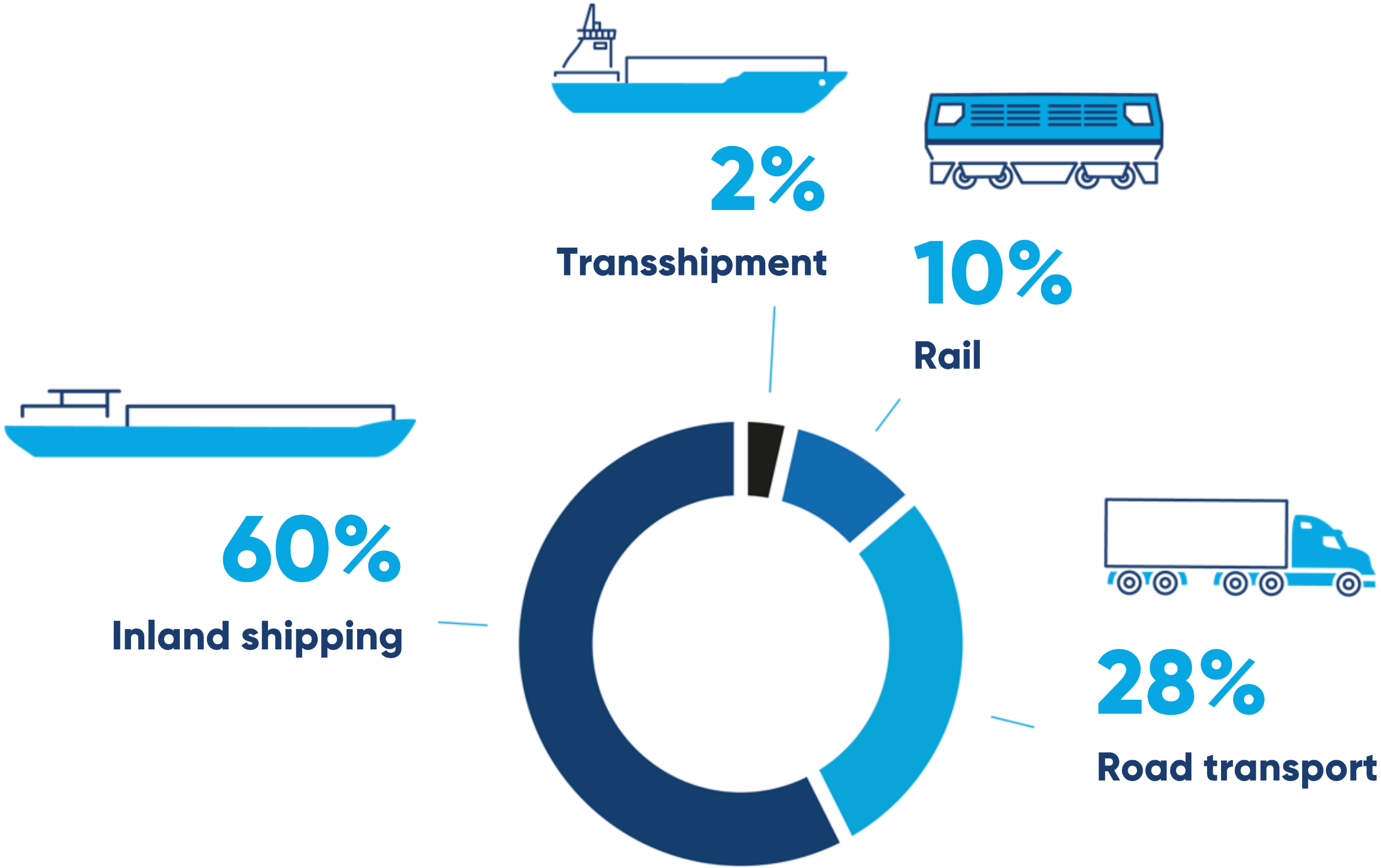


# Multimodal port with strong hinterland connections





# Maritime modal split



# Strong petrochemical and renewables industry



## Production of

- Liquid chemicals
- Lubricating oils
- Gases
- Plastics

## Four sectors

- Construction sector
- Car industry
- Packaging industry
- Agriculture

## Chemical logistics chain

- Storage
- Transport
- Maintenance



# Energy

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## Areas of focus

- Sustainable hydrogen
- CC(U)S (carbon capture, utilisation and storage)
- Electrification
- Heat exchange

## Infrastructure

- Sustainable energy and raw materials
- Production of biofuels
- Large solar farms and wind turbines

# Hydrogen economy

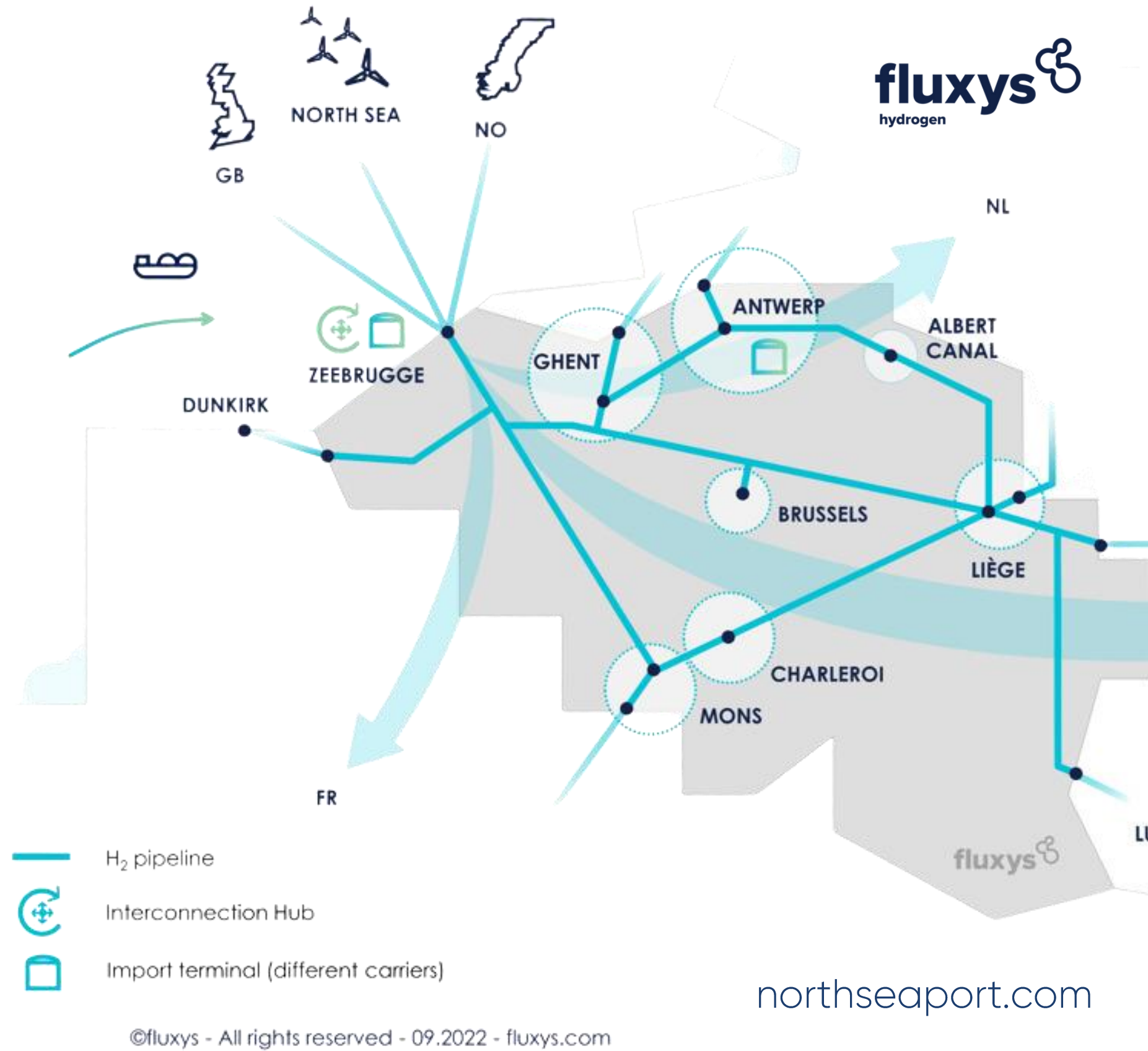
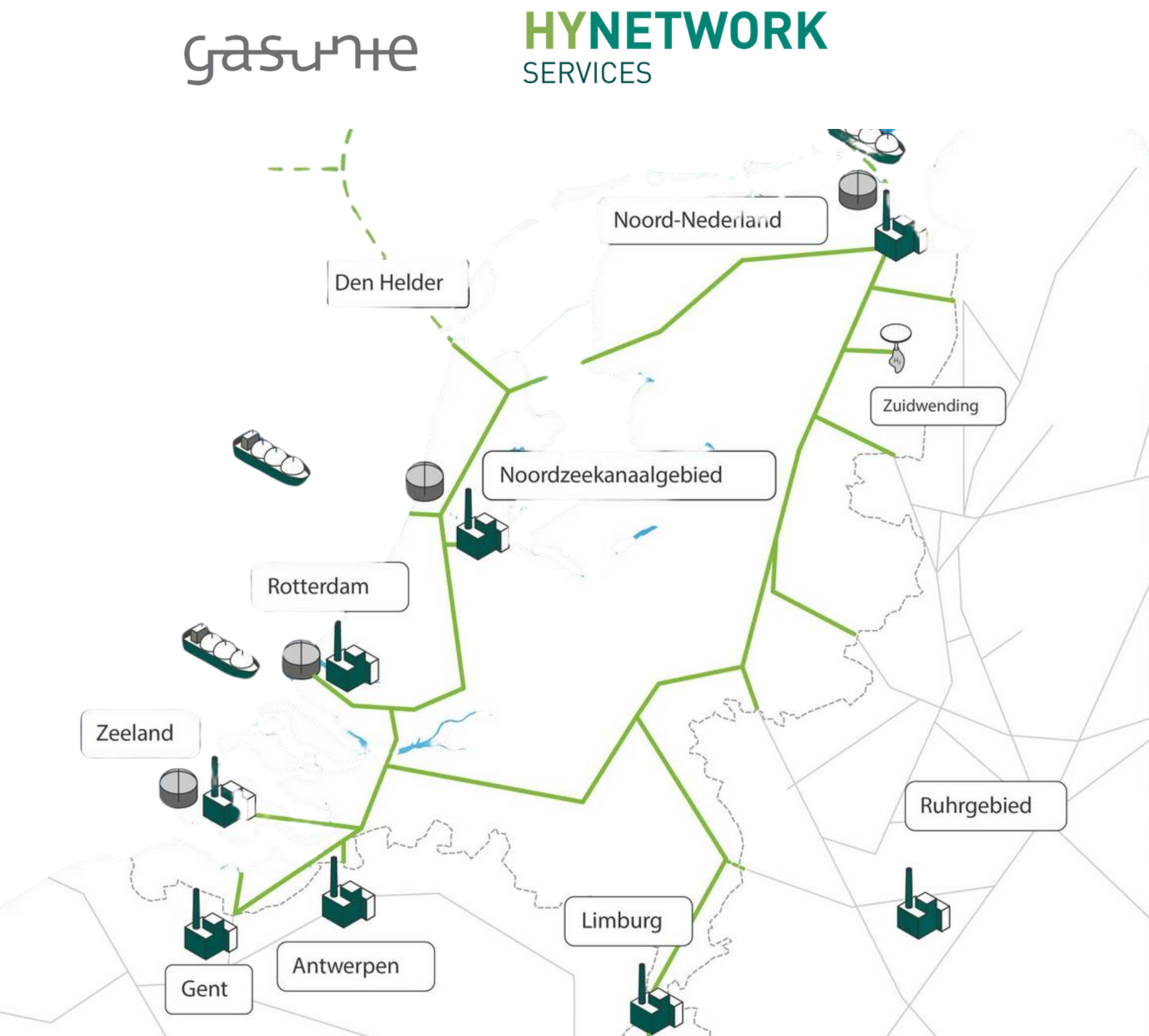
Present hydrogen volume of 600,000 tonnes  
Expanding to 1.2 mln tonnes  
Additional 3.6 GW hydrogen production projects

Ørsted, Vlissingen: 1 GW  
ENGIE / Equinor, Ghent: 1 GW  
TotalEnergies, Vlissingen: 300 MW  
VoltH2, Terneuzen: 25 - 125 MW  
VoltH2, Vlissingen: 25 - 125 MW  
Air Liquide, Terneuzen: 200 - 400 MW  
RWE, Vlissingen: 300 MW  
North C Methanol, Ghent: 63 MW  
Terranova, Ghent: 2.5 MW

## European Hydrogen Network



# Hydrogen network



# Final European hydrogen backbone plan



# Import terminals

## Hydrogen carriers & Biofuels



# CCS - Carbon Capture & Storage

6.5 million tonnes

New market and opportunity

Regional cooperation through



**CCS- projects** ●  
**CCU-projects** ●





# Biogas production / Bio LNG / LNG

CCS / Carbon Capture and Storage



**Direct supply natural gas grid**

**Fuel for ships and road transport**

**Direct supply industry**

**Floating LNG Terminal**



# Alternative fuels and bunkering facilities

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**(Bio) LNG**  
**Methanol**  
**Ammonia**  
**HVO / SAF**  
**Hydrogen**  
**Shore Power**  
**Dual Fuel**  
**Biodiesel**  
**Bio Ethanol**  
**LOHC / DBT**

# Speakers

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**Martine Union**

Key Account Manager



**Jonathan Feys**

Chief Commercial Officer



**Kristof Demeulemeester**

Business Development Manager

**SEA-Tank Terminal**

**Georges Leysen**

Commercial Manager

# GADOT GROUP

Together smarter: Transforming the petrochemical industry



# About Gadot

- Land & marine logistics
- Sales & distribution of chemicals
- Blending & toll manufacturing
- Global footprint



**Sophisticated supply chain & chemical logistics**



# Economic survival vs. sustainable goals

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How economic survival or growth can fit into sustainable goals

- Driven by our commitment to **sustainability**
- (Co-)investing in **green power** solutions and **energy recovery**
- Company-owned, **on-site wind turbine**
- PPA with neighboring biomass power plant for supply of **steam produced from renewables**
- Decreasing CO<sub>2</sub> footprint by **>6,000 tons of CO<sub>2</sub>e**
- Investigating new projects, incl. **greenfield** at our 23 ha terminal
- Supporting **energy transition projects** in marine, fleet & jet solutions

**Sophisticated supply chain & chemical logistics**



# Chemical Challenger Ventofails



Sophisticated supply chain & chemical logistics



An aerial photograph of a large industrial refinery complex situated along a waterway. The facility features numerous large white storage tanks, several tall distillation columns, and various processing buildings. In the foreground, a large white wind turbine stands prominently. The refinery is bordered by a canal or river, with a small boat visible in the water. The surrounding landscape includes green fields and more wind turbines in the distance, suggesting a focus on sustainable energy.

# GTS

Together smarter: Transforming  
the petrochemical industry



# About GTS

- Anchored in respect
- Owner 'ship'
- Loading opportunities
- Adapting to the tides
- Joint effort



**Driven to become your preferred energy storage solution provider**



# The energy transition

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Challenges and opportunities,  
and how terminals can play a vital part

- 2017: storage of **biodiesel**
- 2021: pretreatment of **waste oils**
- 2024: blending of **bio-marine fuels** & **sustainable aviation fuels** (SAF)
- Venture capital in production of **higher bio-alcohols** and valorisation of **by-products of the biodiesel industry** to GTBE (bio-combustion enhancer)

Driven to become your preferred energy storage solution provider



# MERVIELDE

Together smarter: Transforming the petrochemical industry



# About Mervielde

- Innovative **integrated logistics services** since 1945
- Sustainable, **synchromodal solutions**
- **Independent** family business
- Driven by **>230 dedicated experts**
- Located at North Sea Port, next to the **Ghent-Terneuzen Canal**



**We optimize your flow**



# Alternative fuels in transport

## Logistics



## Storage



## Transport



## Tank cleaning



We optimize your flow



# SEA-Tank Terminal

Together smarter: Transforming the petrochemical industry



# About SEA-Invest and SEA-Tank Terminal Ghent

- Private Belgian group of companies
- Active in port services and logistics **since 1925**
- Guaranteed **neutrality**
- **360,000 m<sup>3</sup>** tank capacity
- **140 tanks**: ranging from 200 m<sup>3</sup> to 13,000 m<sup>3</sup>
- Up to **1,000 m<sup>3</sup> /hour** pumping capacity
- **12.25 m** draft
- Goods: chemicals, oleochemicals, vegetable oils, fish oils, fats, liquid fertilizers, biofuels
- Access: Road, rail, barge and sea-going vessel



Your sustainable long-term tank storage partner

**SEA-Tank Terminal**

# Sustainable fuel logistics

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- Ship to ship transfers
- In-tank & in-line blending
- Heating
- Nitrogen blanketing
- Circulating, homogenizing and transfers
- Truck & rail loading facilities
- Customs and excise bonded storage
- State-of-the-art storage and handling infrastructure
  - Mineral and vegetable oil products, liquid fertilizers, molasses, fish oil, biofuels, base oils & light chemicals
- Dedicated customer facilities and tankage adaptation to customer requirements

**Your sustainable long-term tank storage partner**

**SEA-Tank Terminal**



# Thank you for joining us

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**Let's partner up in  
meeting room Charlottenburg 1 (ground floor)!**

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Mervielde, SEA-Tank Terminal

