

CO₂ reduction through storage beneath the North Sea

Launching CCS in the Netherlands



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External relations manager
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Co-financed by the
Connecting Europe Facility
of the European Union

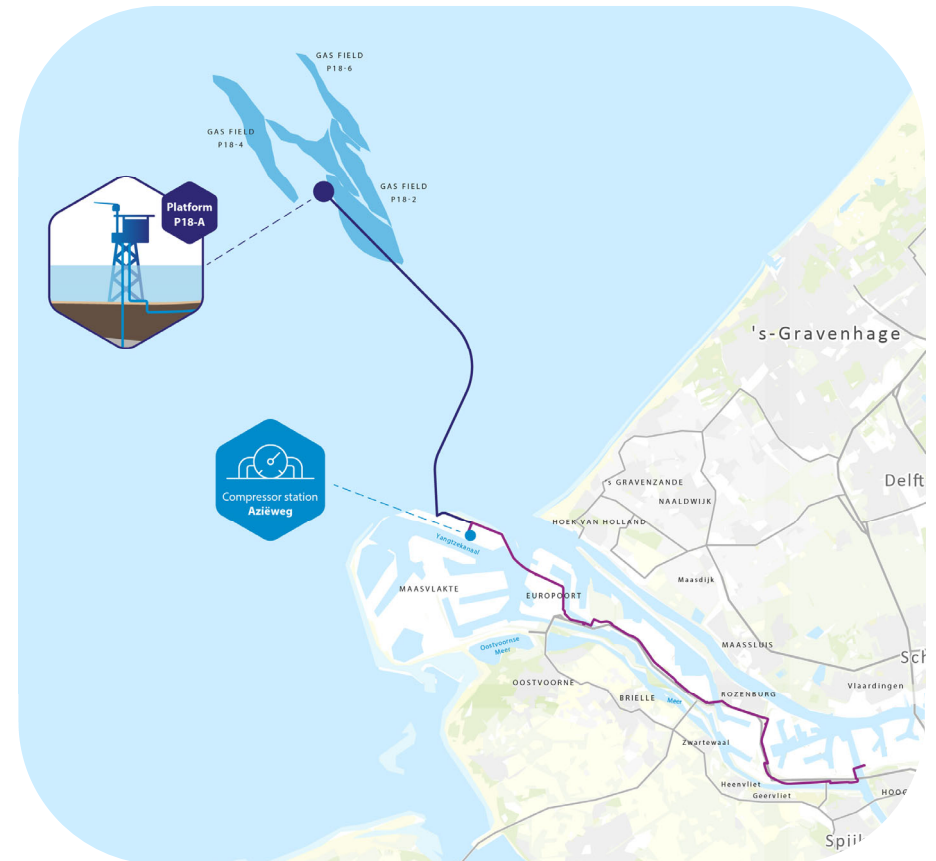


Porthos
CO₂ TRANSPORT & STORAGE

Project overview



- Dutch state-owned parties: EBN, Gasunie, Port of Rotterdam Authority
- Customers: Air Liquide, Air Products, ExxonMobil, Shell
- Capacity P18 fields: ~ 37 Mton
- Storage: ~ 2.5 Mton per year
- CAPEX: ~ € 450-500 million
- Planning: final investment decision in 2022, operational by 2024/2025





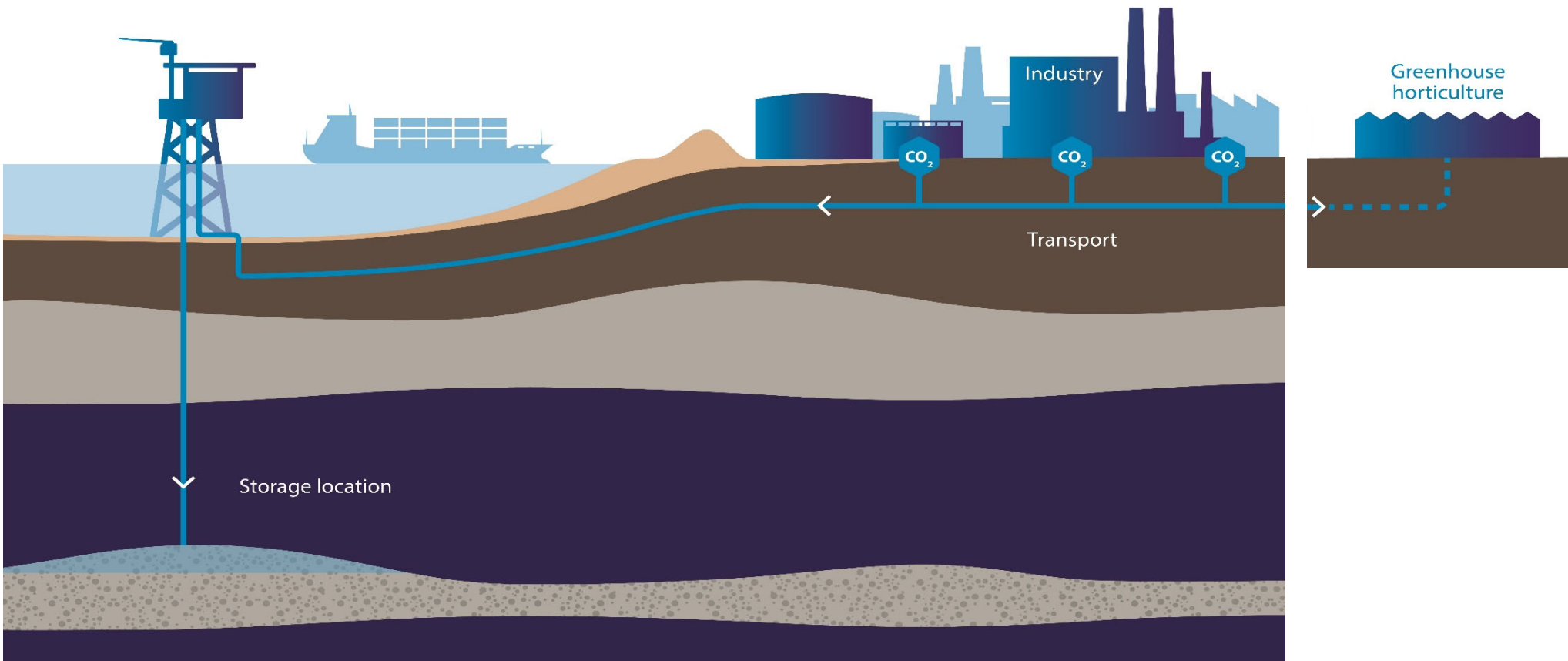
How will Porthos store CO₂?



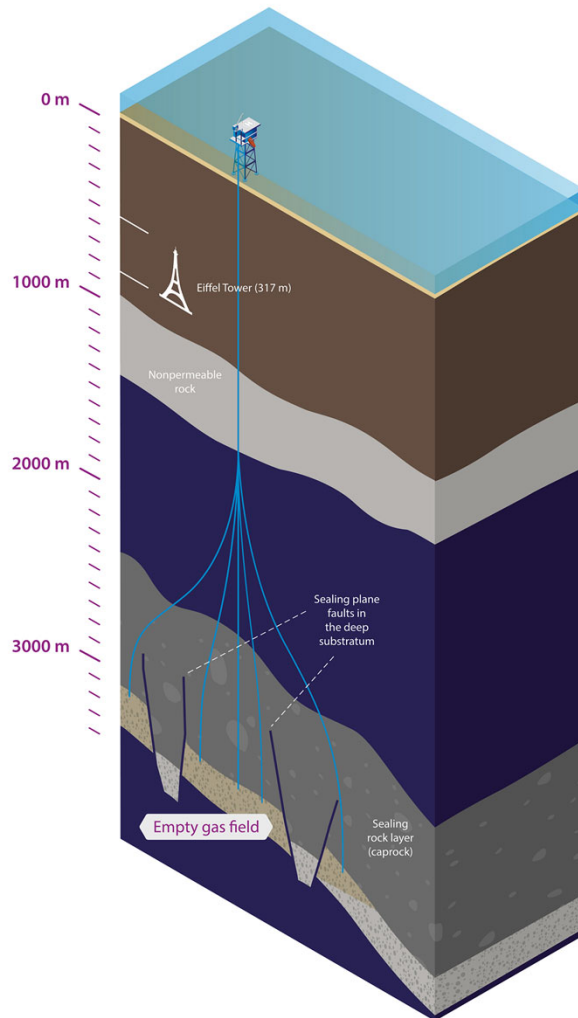
Storage

Capture

Utilisation



Permanent storage



Public-private partnership for a successful project



State owned companies

Lead role,
invest in infrastructure



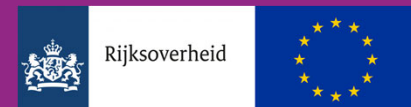
Private companies

Invest in capture,
pay for storage



Public authorities

Funding, mandate,
responsibility



Porthos is ready for FID



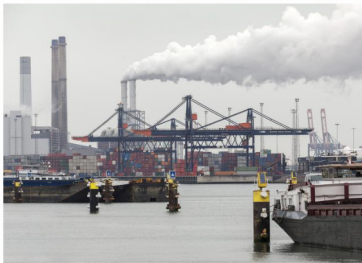
Client contracts

have been signed,
subsidies have been
granted

Air Liquide, Air Products,
ExxonMobil, Shell

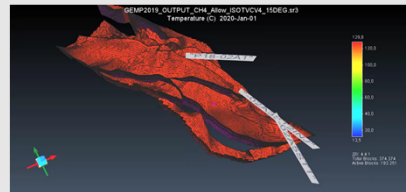
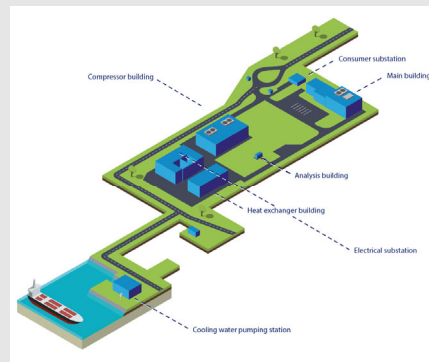
REUTERS

Dutch govt grants \$2.4 billion in subsidies to
huge carbon storage project



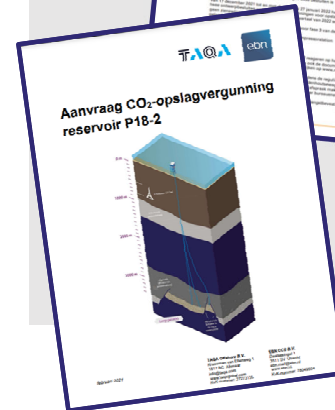
FEED engineering

has been completed

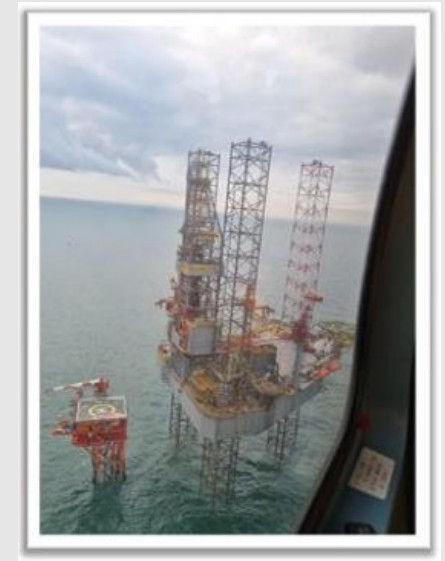


Storage license

concept received from
Ministry



Successful decommissioning of complex well



Awaiting conditions

1. Supreme Court ruling on environmental permit
2. Definitive storage license (expected in June)
3. Shareholder approval FID

When fulfilled ...
start of construction works
(2023 till 2025)



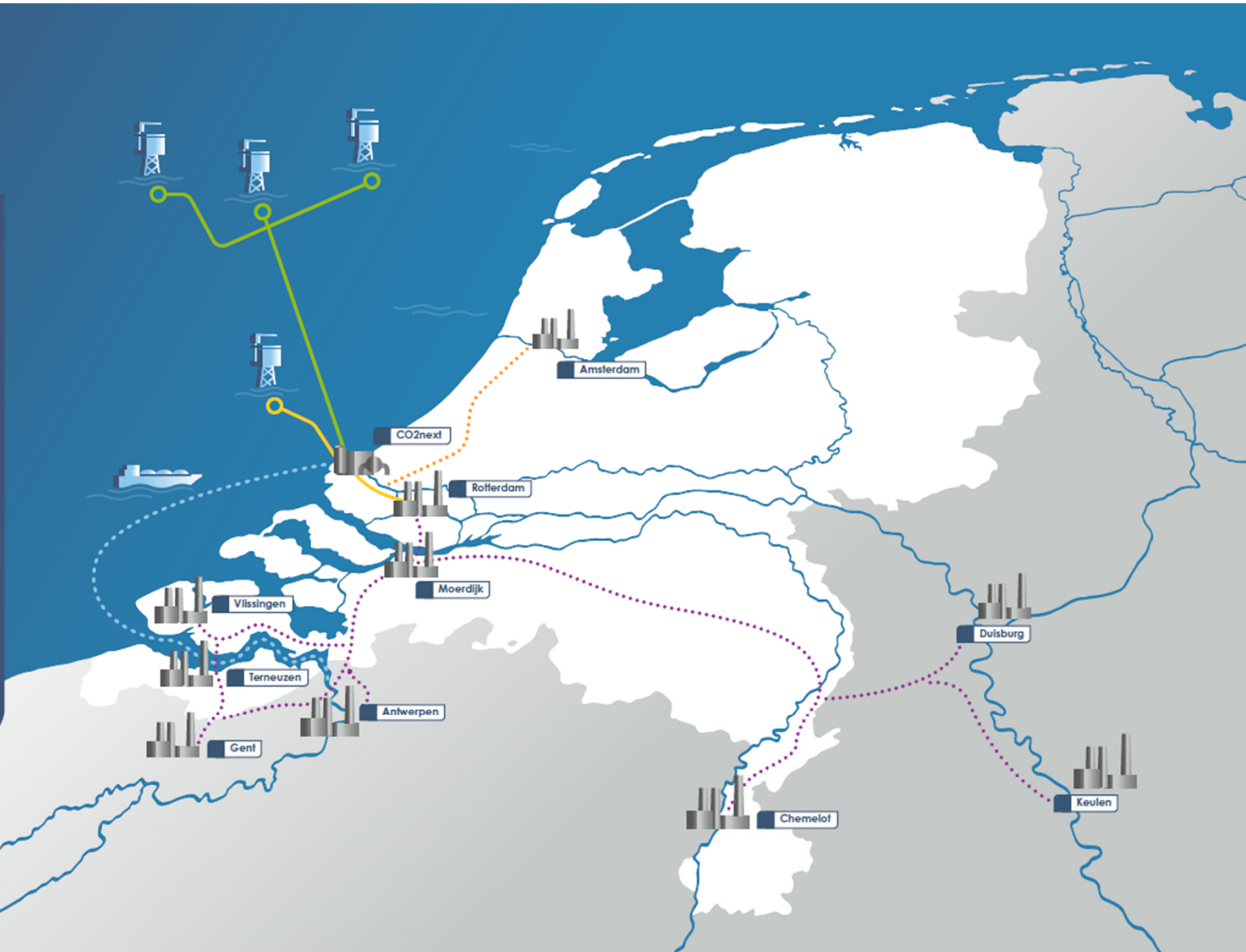


Image by courtesy of EBN

Thank you for your attention!

For more information, please visit:
www.porthosCO2.nl



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