CMB.TECH

Decarbonisation in EU Fisheries

George White Hydrogen Systems Engineer



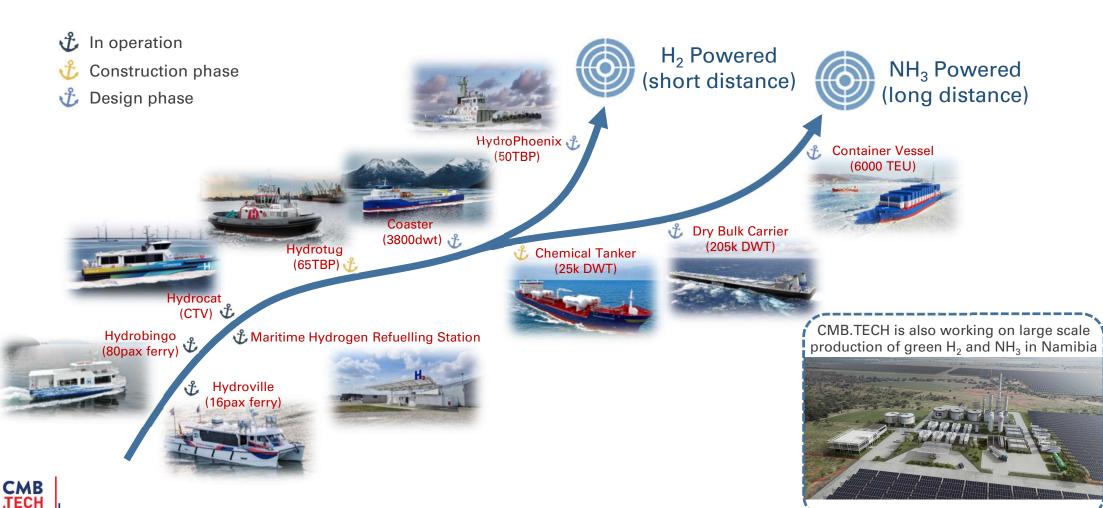
CMB owns/operates 149 ships

- CMB was founded in 1895
- Headquartered in Antwerp
- 100% privately owned by Saverys family
- 320 shore-based staff and about 3200 seafarers
- The group consists of 4 divisions:
 - Bocimar: Dry cargo
 - Delphis: Container vessels
 - Bochem: Chemical tankers
 - CMB.TECH: Cleantech





Our Pathway Towards Zero Emission Shipping



H₂ Dual Fuel is a low CAPEX and flexible OPEX

route

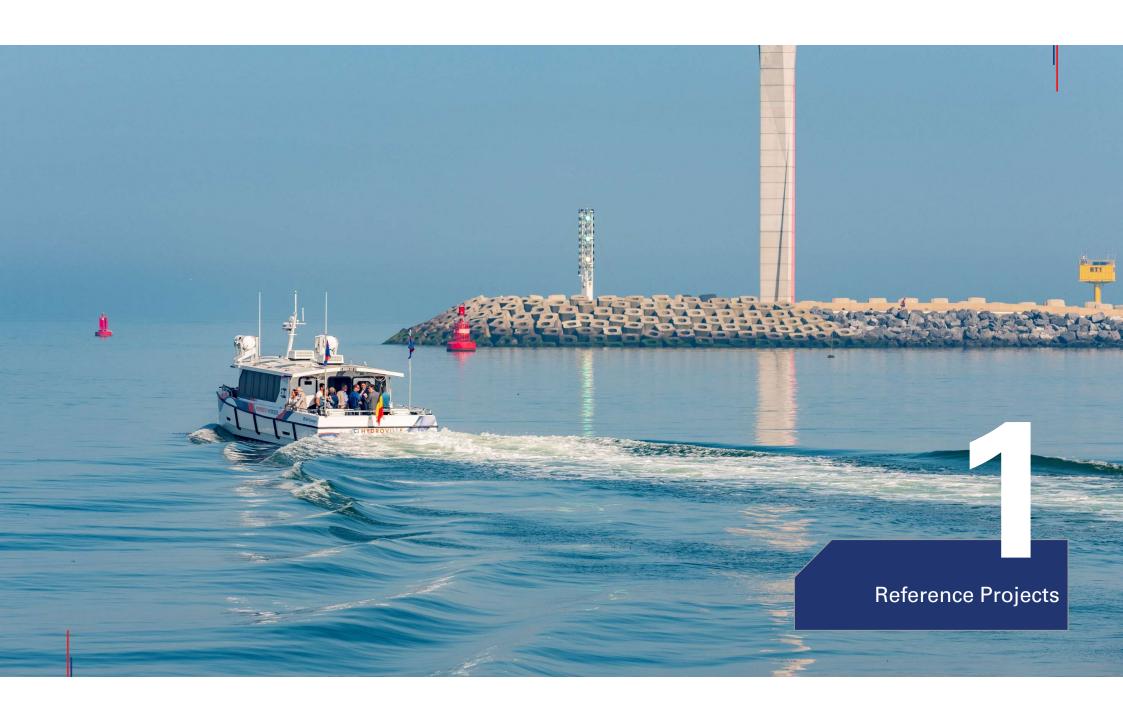
- By injecting hydrogen into the air inlet, less diesel will be required for the same power output, resulting in less CO₂.
- Engine can run on 2 modes with a turn of a switch:
 - ➤ Diesel only
 - ➤ Dual fuel diesel-H₂
- Besides the direct CO₂ savings, also NO_x production is significantly reduced (resulting in less AdBlue)









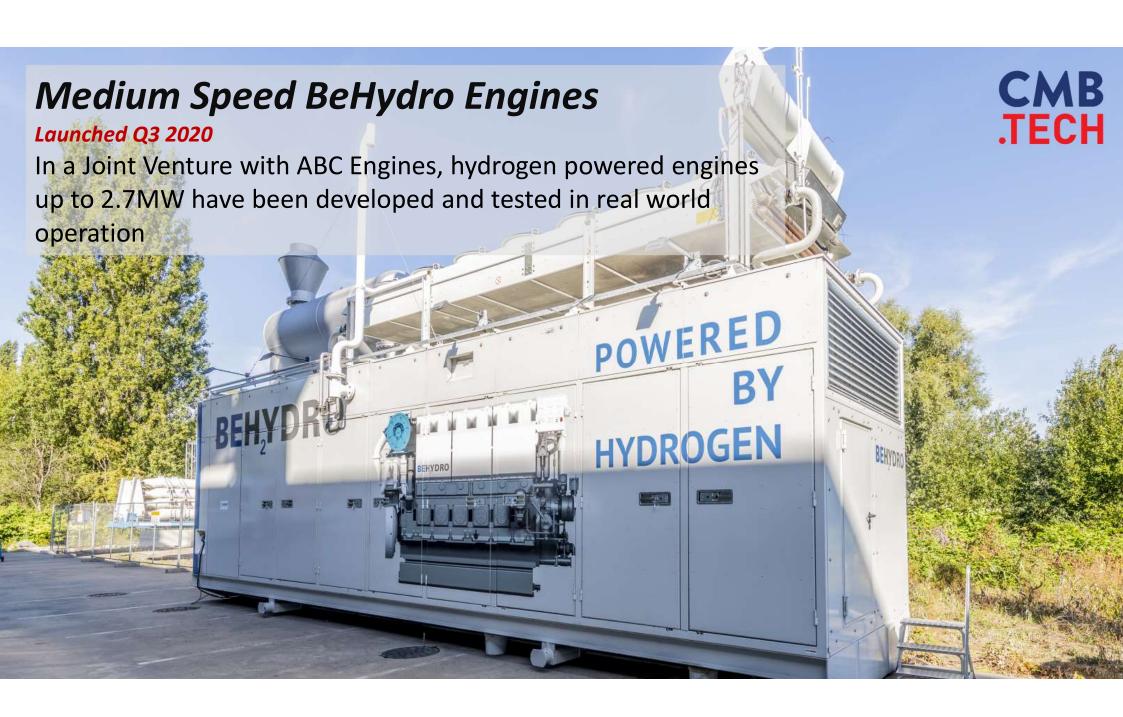


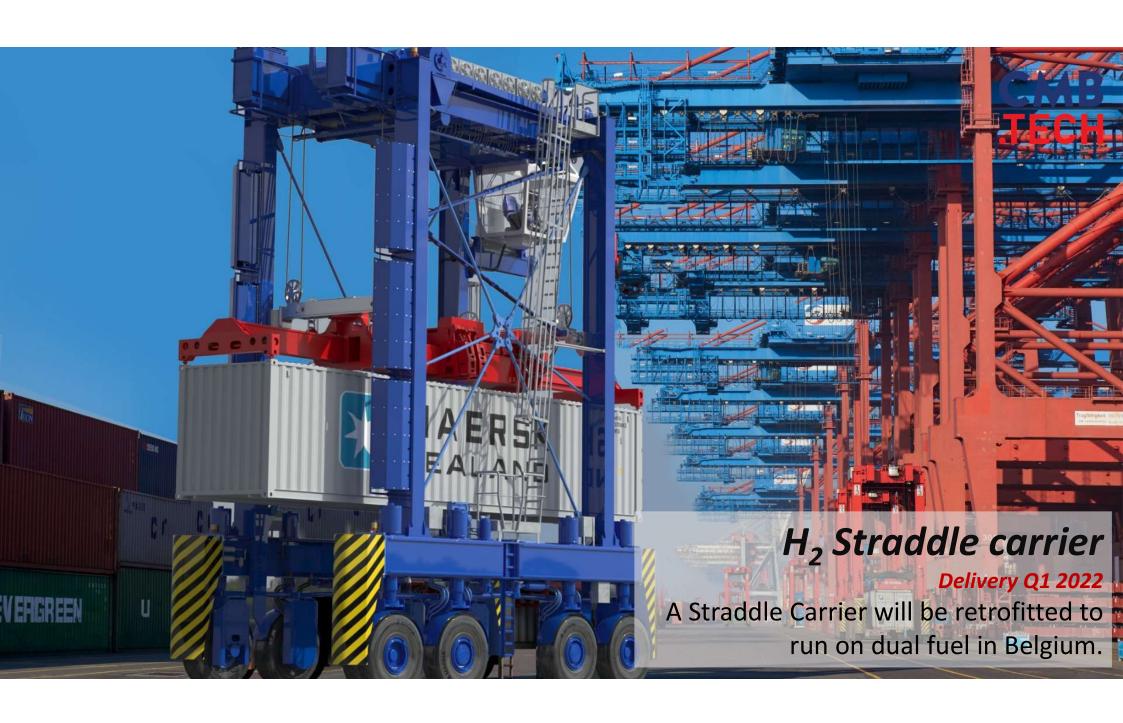


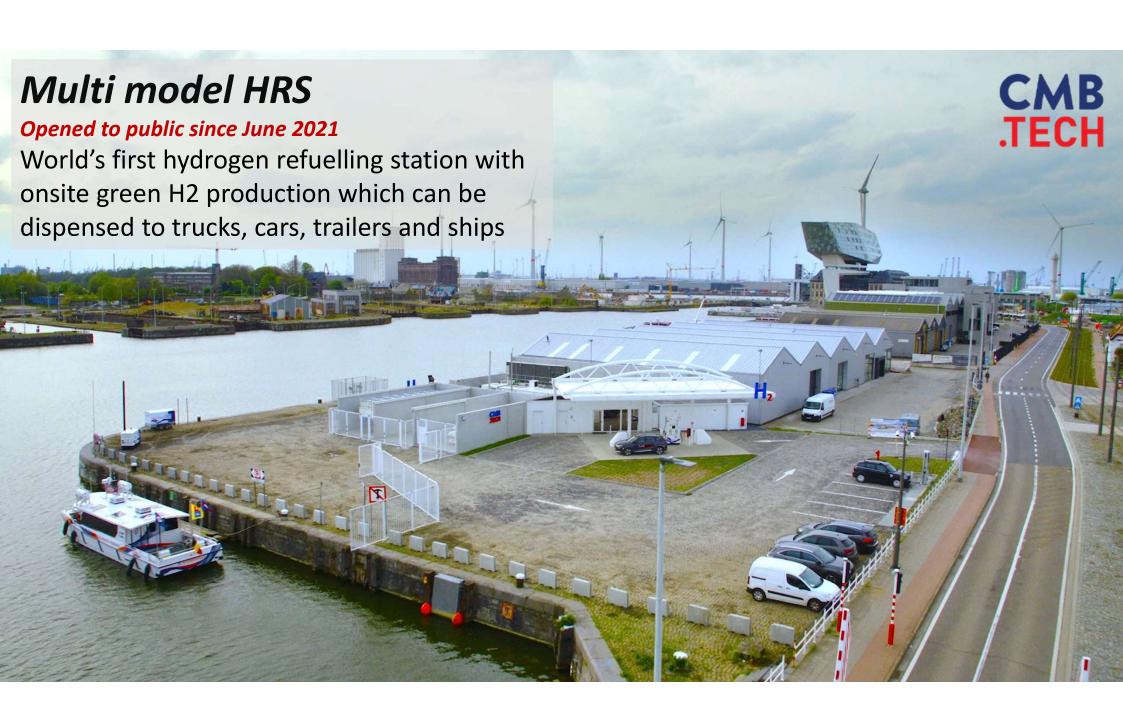


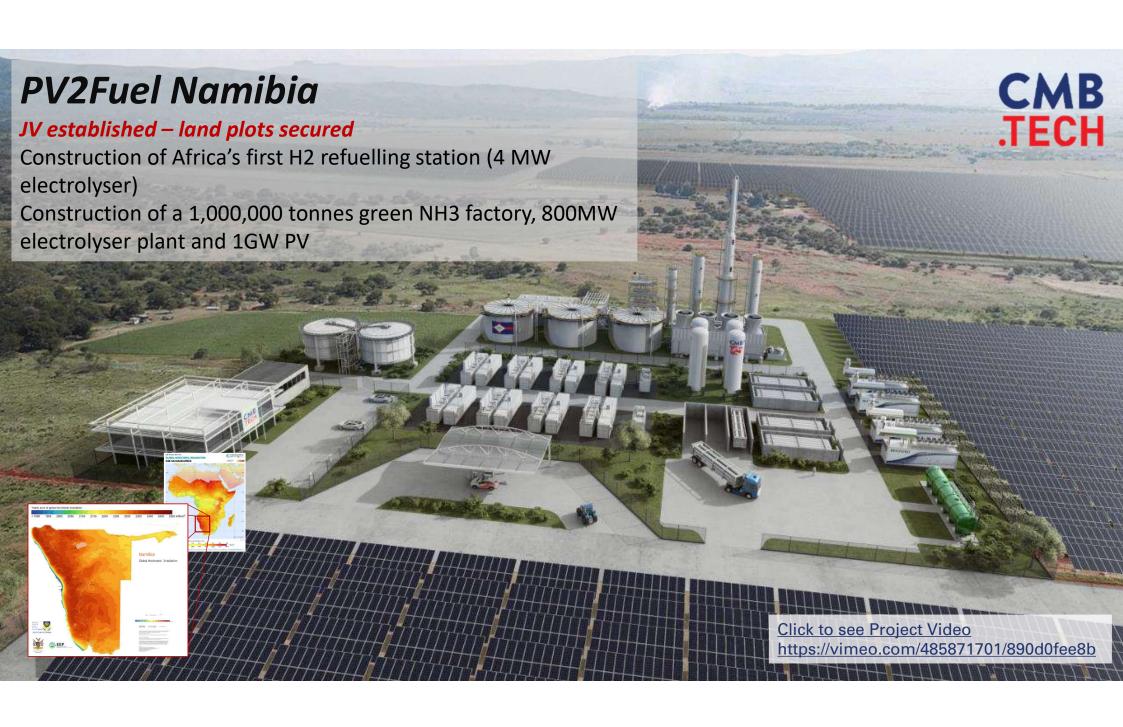












Mobile hydrogen refueller

Commissioned October 2021

500 bar tube trailer containing 950 kg of H₂ for mobile refuelling of marine and land-based applications



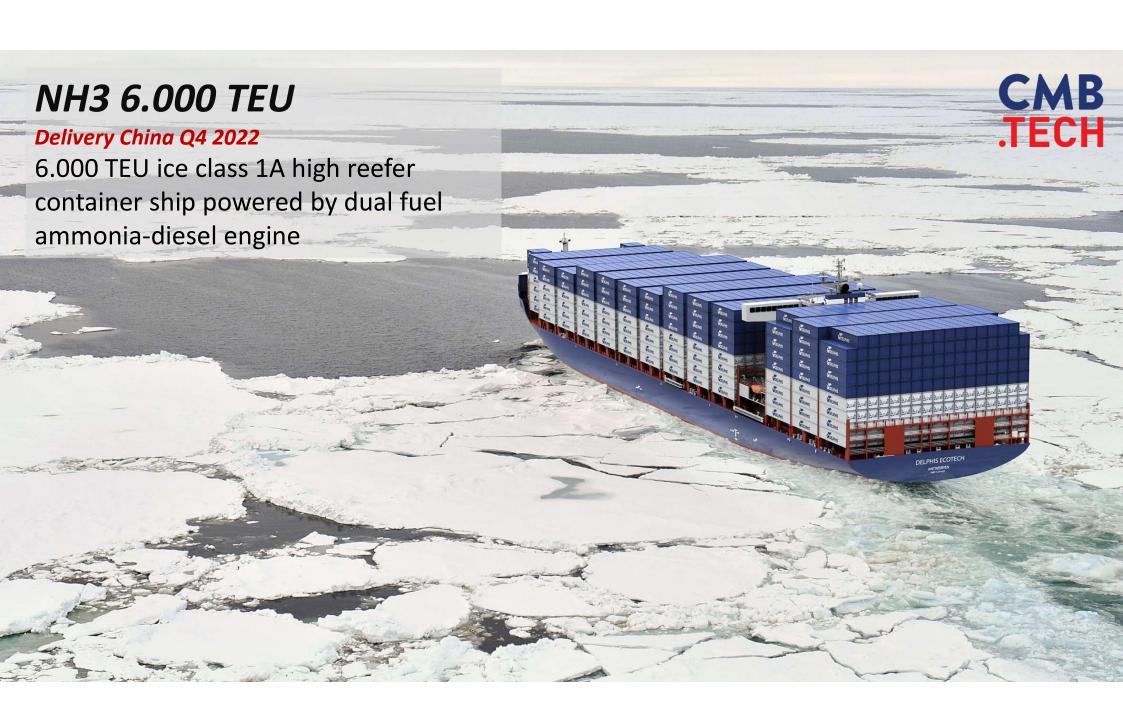




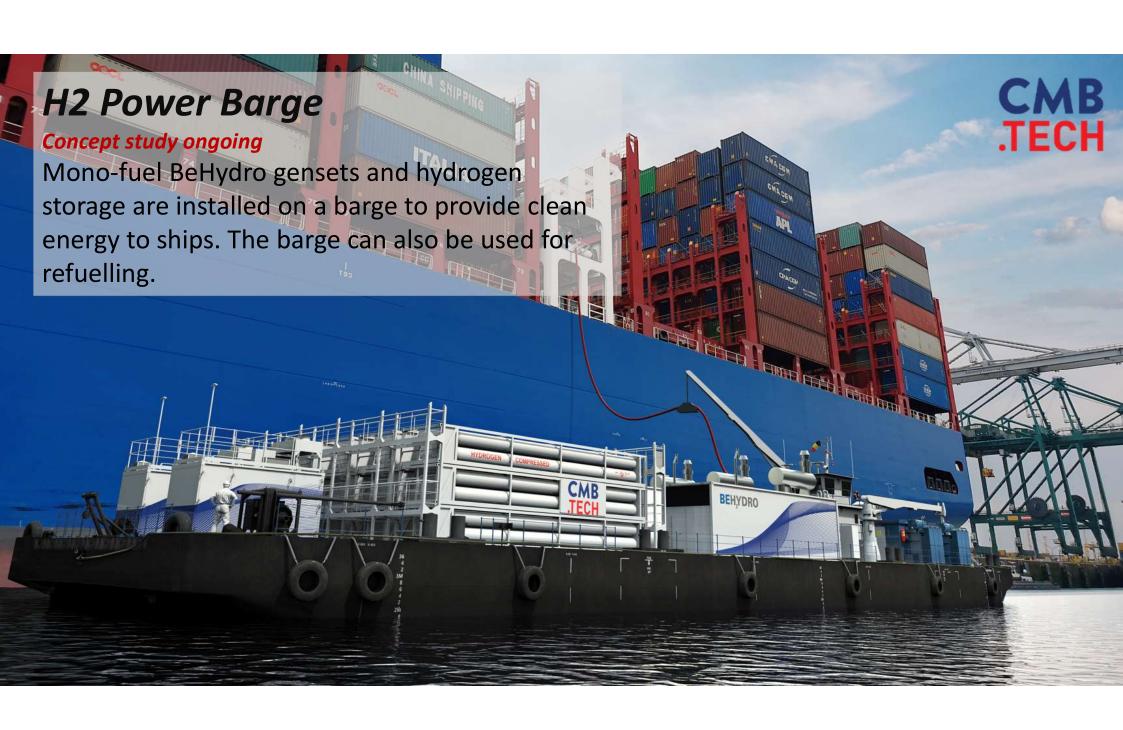














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