

Yara Clean Ammonia



YCA is the leading¹ global ammonia platform wellpositioned to capture the market for clean ammonia

YCA in brief

A key enabler of decarbonization of hardto-abate industries, connecting upstream projects with new customer applications

The #1 integrated midstream platform in the ammonia value chain¹, with assetbacked supply and a global footprint

Standalone entity **backed by majority owner and preferred partner Yara**, which has almost 100 years of ammonia experience



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Source: Company information

- 1) Based on volumes of traded ammonia in 2021 Argus market study (2022)
- 2) EBITDA is defined as operating income plus depreciation and amortization and interest income and other financial income

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3) YCA has exclusive access, and manages and optimizes use of Yara's ammonia tank infrastructure at terminals through sourcing and supply agreements with Yara

Different "colors" indicate different production processes for hydrogen and related carbon intensity



- Yara Clean Ammonia
- Indirect emissions (Scope 3) from natural gas and embedded assets are not included in the values
- Fertilizers Europe Carbon footprint calculator
- IRENA Innovation outlook: renewable ammonia

5)

- Combining hydrogen with nitrogen from the air
- SMR = Steam Methane Reforming, ATR = Autothermal Reforming

YCA will develop clean ammonia as a decarbonized energy carrier and industry feedstock







Yara is executing a 4-way strategy towards securing clean ammonia supply around the world

First cross-border transportation and storage of CO2 from ammonia production

- Yara Sluiskil, Europe's largest fertilizer plant
- Annual reduction of 800,000 tonnes of CO2emissions from the ammonia production
- The CO2 will be liquefied and shipped by Northern Lights from the Netherlands to permanent storage on the Norwegian continental shelf – 2.6 km under the seabed
- CCS is a safe and effective method to cut emissions from the hard-to-abate industries – like production of ammonia

Yara Eyde

- The world's first ammonia-powered container ship
- Collaboration between North Sea Container Lines
 and Yara Clean Ammonia.
- Yara Clean Ammonia supplies pure ammonia for fuel, and Yara signs a 15-year freight contract.
- This means that Yara's fertilizer from Herøya can be delivered "emission-free" to Europe cutting Yara's scope 3 emissions by 11,000 tonnes of CO₂.

