



Can green hydrogen produced in the UK be competitive in the emerging global market?

Molly Iliffe, Global Head of Hydrogen, Baringa
The Hydrogen Transition 1: Technology & Policy Push
Wednesday, 10th May
11:00 - 12:30



Baringa is a certified B Corp™
with high standards of social
and environmental performance,
transparency and accountability.

About Baringa's Energy & Resources Capabilities

Baringa is an award winning business and technology consultancy, rated number 1 by the FT in energy and utilities

 **1750+ Employees**  **8 Offices worldwide**



We help our clients structure and run more effective businesses



We work with clients to launch new businesses and reach new markets





We help our clients navigate industry shifts by bringing clarity and insight

300+ Energy Clients



 **#1 Energy and environment consultancy**

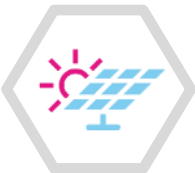


 Gold: Energy, Utilities & Environment
 Gold: Oil & Gas

- ▶ We currently employ 300 consultants who specialise in the energy sector.
- ▶ We are recognised as the top ranked consultancy in the Energy and Utilities sector in the recent Financial Times survey of clients and peers, for the third year in a row.

We work across the energy value chain, providing our clients with both breadth and depth, combining deep sector expertise with our leading edge capabilities

Generation & Investment



Transmission & Distribution



Smart assets & infrastructure



Supply & Retail



Customers



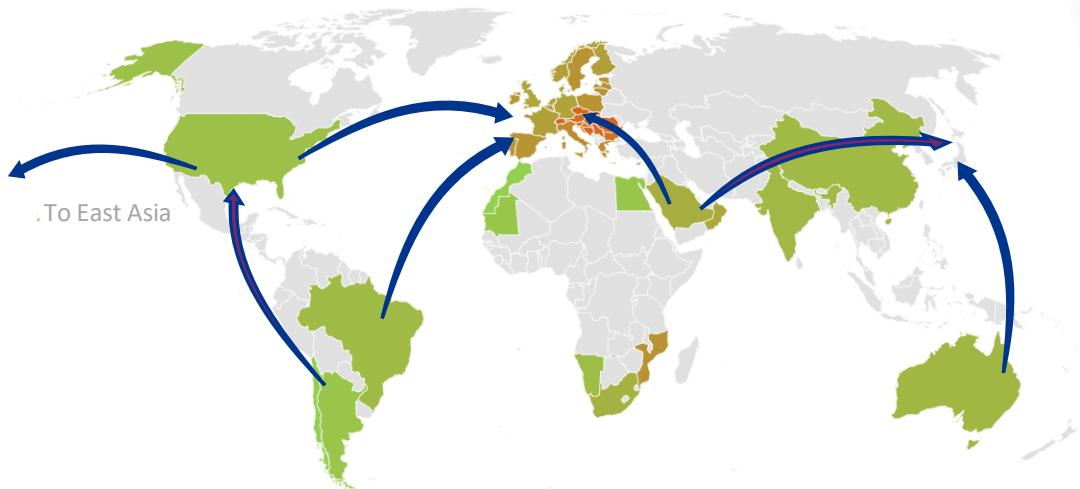
Baringa Climate Change Solution

At Baringa, climate change is our number one priority and we have made it a key pillar of our purpose-led strategy. It has formed the core of our business for the last 20 years. We have developed the market leading climate change solution, which we are now taking through our partnership with Blackrock to the global market for climate risk reporting.

The global export market will be enabled by hydrogen carriers, tapping low-cost production regions

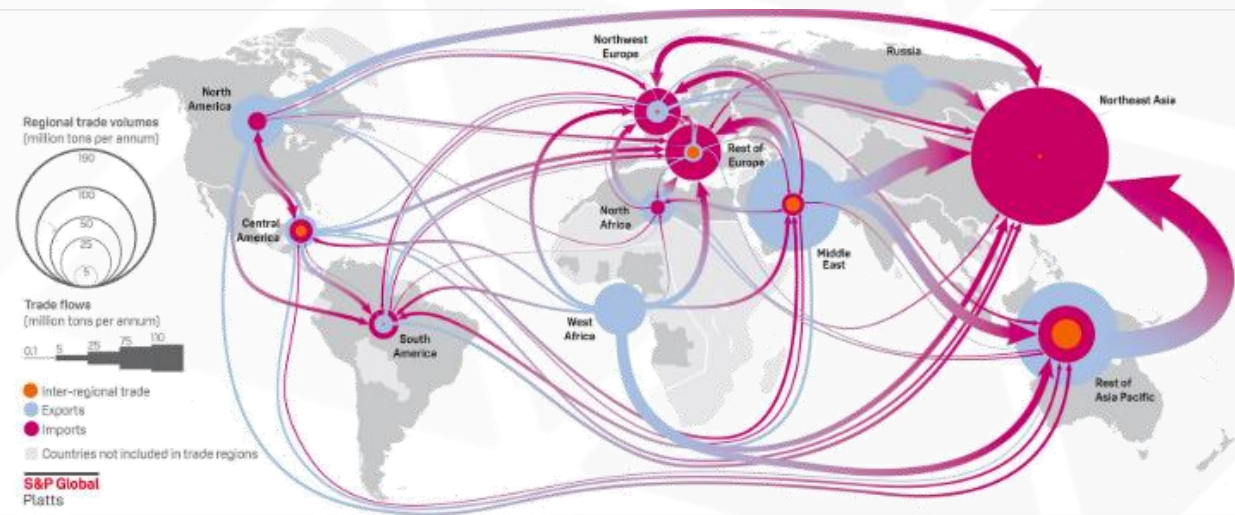
Future trade in hydrogen may become global and analogous to large-scale LNG trade today, with demand hubs largely the same and supply hubs shifting towards high renewables markets

Selected future hydrogen trade flows:



Levelised production costs of green hydrogen in 2030 LCOH  1.8 5.1
(EUR_€, real 2021/kg)

Analogous to today's LNG trade flows:

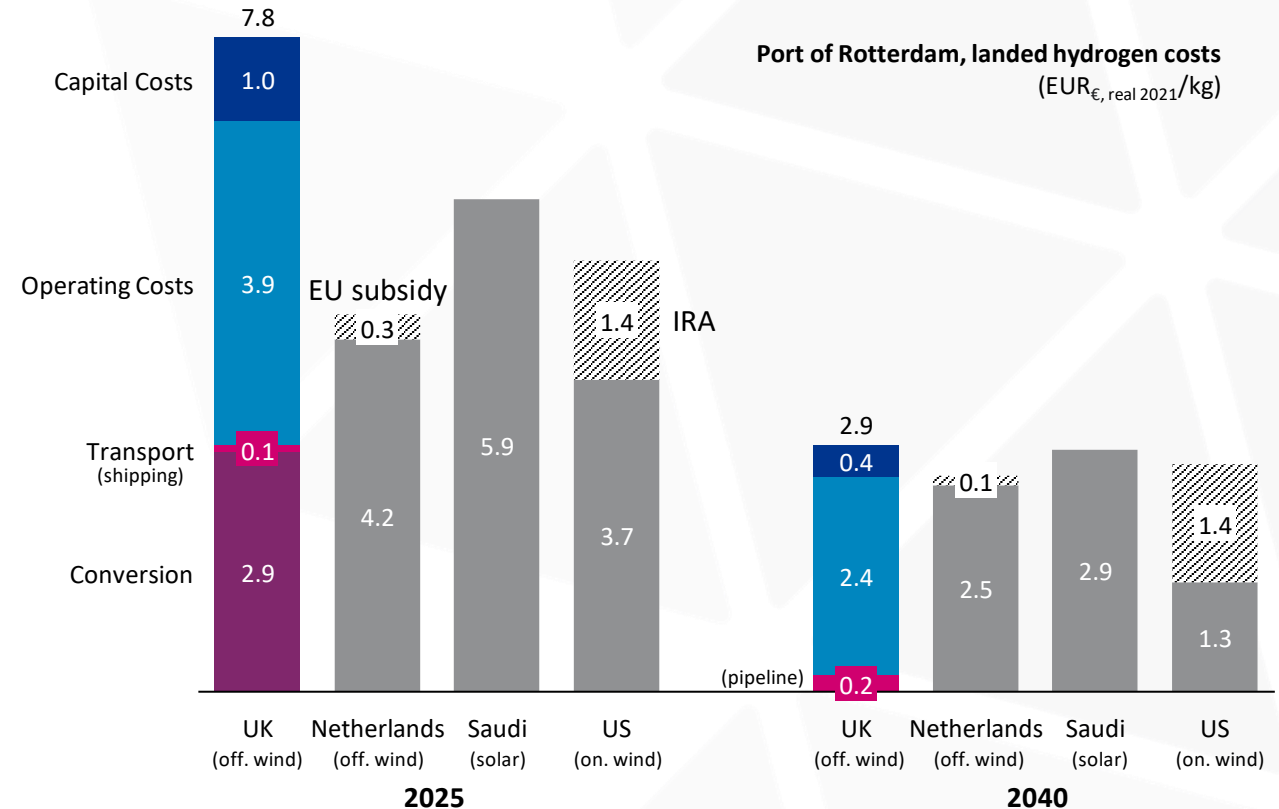
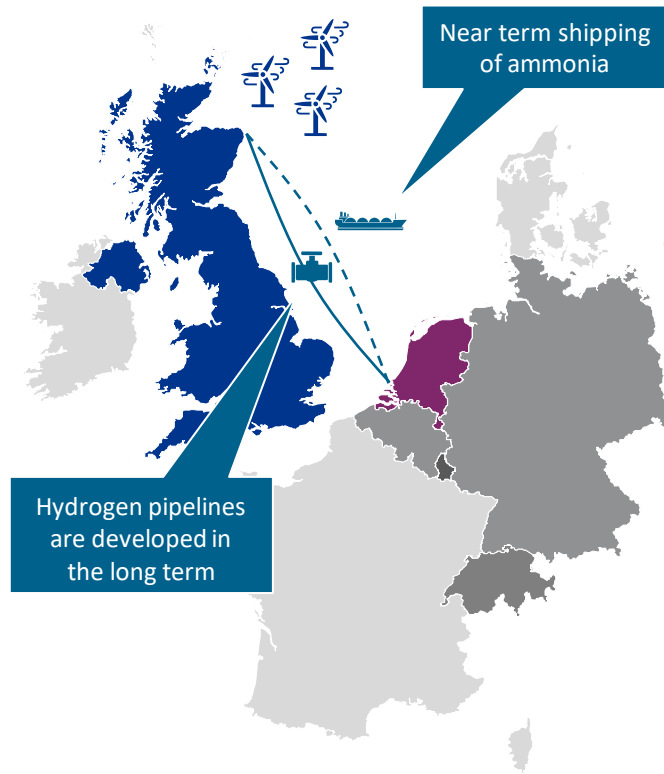


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Sources:
Hydrogen: IEA Future of Hydrogen
LNG: S&P Global Platts

Landed costs of hydrogen in mainland Europe

Enabling infrastructure and revenue support will be critical for UK hydrogen exports to be competitive with other sources of clean hydrogen



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*Texas: the hydrogen export
powerhouse of the future*

Summer 2023

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