Humber Hydrogen Update

November 2024



Sally Prickett

Hydrogen, CCS and sustainable fuels lead



ARUP

Who we are

1 800 energy specialists

Highly accredited Economists, behavioural scientists, engineers and sustainability consultants.

Diverse by design

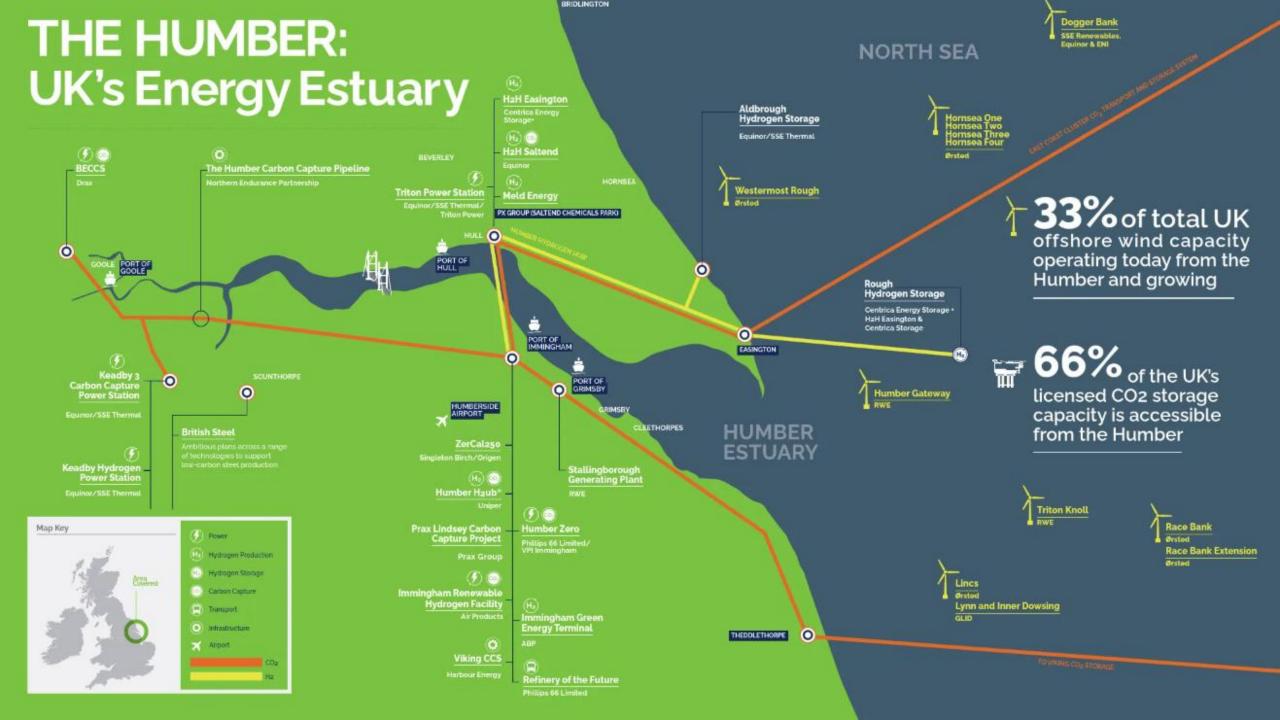
Leveraging the strength of complimentary experience from renewable energy development, work with the oil & gas industry, transportation infrastructure planning and design, financial consulting, corporate strategy, and more.

Represented locally

Arup energy specialists are represented in many countries around the world, combining local knowledge with the power of Arup's global footprint.

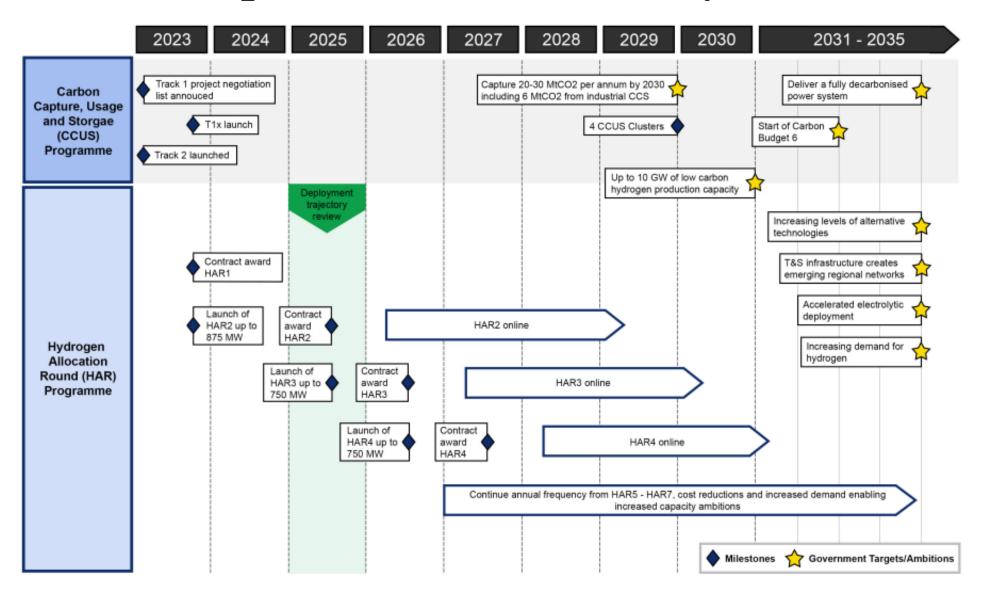
Working together to shape a better world.





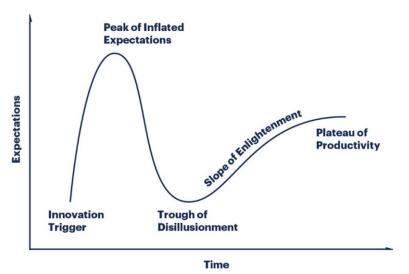


UK Roadmap - where are we today?



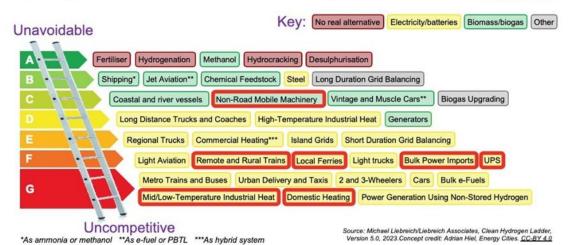


Over hyped or on the way to enlightenment?

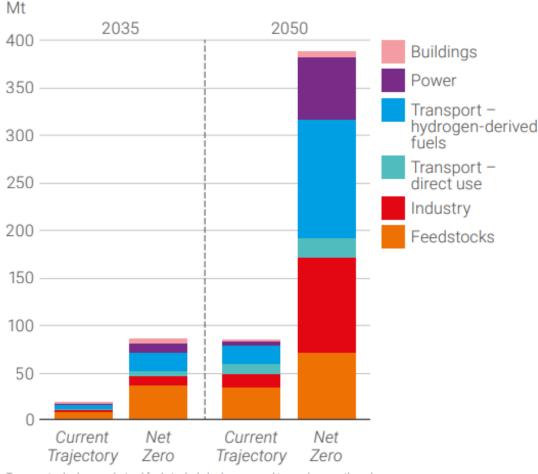


Hydrogen Ladder 5.0 – Demotions (7)

Liebreich Associate



Low carbon hydrogen demand by sector



Transport – hydrogen-derived fuels include hydrogen used to produce methanol and ammonia in marine and synthetic jet and diesel fuel.



What does this mean for the Humber?

 New government appears to be holding course with opportunity to access policy support

• Challenges remain – cost, grid connection, water, offtake, infrastructure

• We know much more about what "good" looks like in hydrogen. Opportunity to leverage learning and focus on developing successful projects targeting investment and resource in the right areas



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