

# Delivering low carbon hydrogen **for a greener, cleaner future**

All-Energy 2023, SEC Glasgow  
10 May 2023

**Guy Appleton** | Managing Director, New Energies

**Kellas Midstream Limited**

✉ [guy.appleton@kellasmidstream.com](mailto:guy.appleton@kellasmidstream.com)

🌐 [www.kellasmidstream.com](http://www.kellasmidstream.com)

in [www.linkedin.com/company/kellasmidstream](https://www.linkedin.com/company/kellasmidstream)

# Kellas | Leading Midstream Excellence

**We are an independent energy infrastructure company with a critical portfolio of assets transporting around 40% of the UK's natural gas, safely and responsibly.**

Bringing our unique blend of experience & expertise to clean energy initiatives that will:

- Play a key role in industry decarbonization
- Help the UK realize it's 2050 net zero ambitions



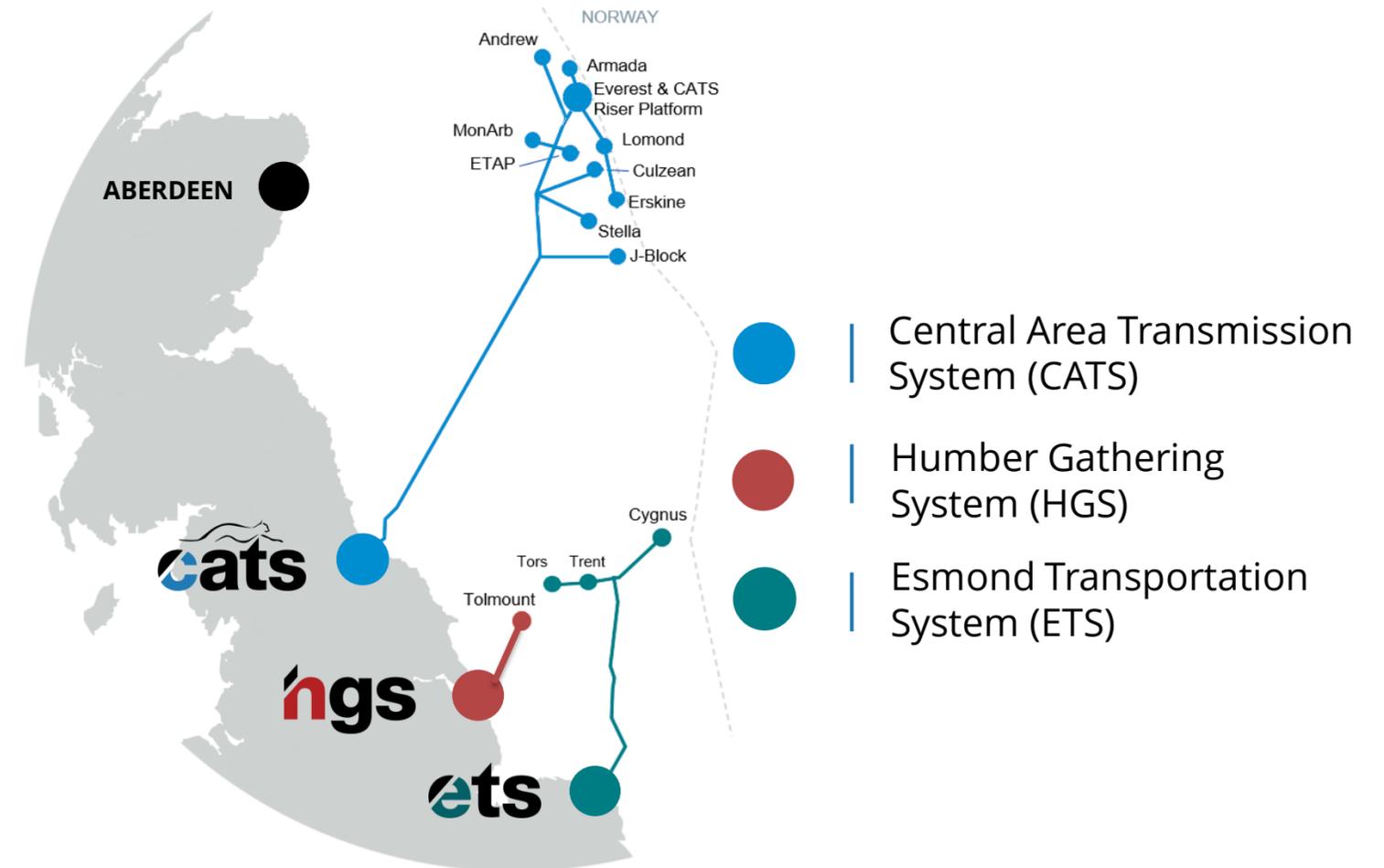
## Gas T&P

Natural gas transportation and processing



## New Energies

Low carbon hydrogen





# Our net zero strategy

1. BUILD ON OUR ESTABLISHED BUSINESS TO CREATE A NEW NET ZERO BUSINESS
2. BE THE GO-TO LOW CARBON INFRASTRUCTURE OPERATING COMPANY IN 2040S AND BEYOND
3. FACILITATE CHANGE IN THE ENERGY INDUSTRY BY INVESTING IN LOW CARBON ENERGY INFRASTRUCTURE



Build & operate  
**BLUE H2 PRODUCTION**



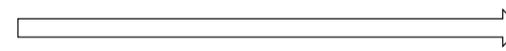
Build & operate  
**GREEN H2 PRODUCTION**



Invest in other  
**NET ZERO INFRASTRUCTURE**



OUR FOCUS TODAY  
**LOW CARBON HYDROGEN**



**kellas**  
MIDSTREAM

# Teesside

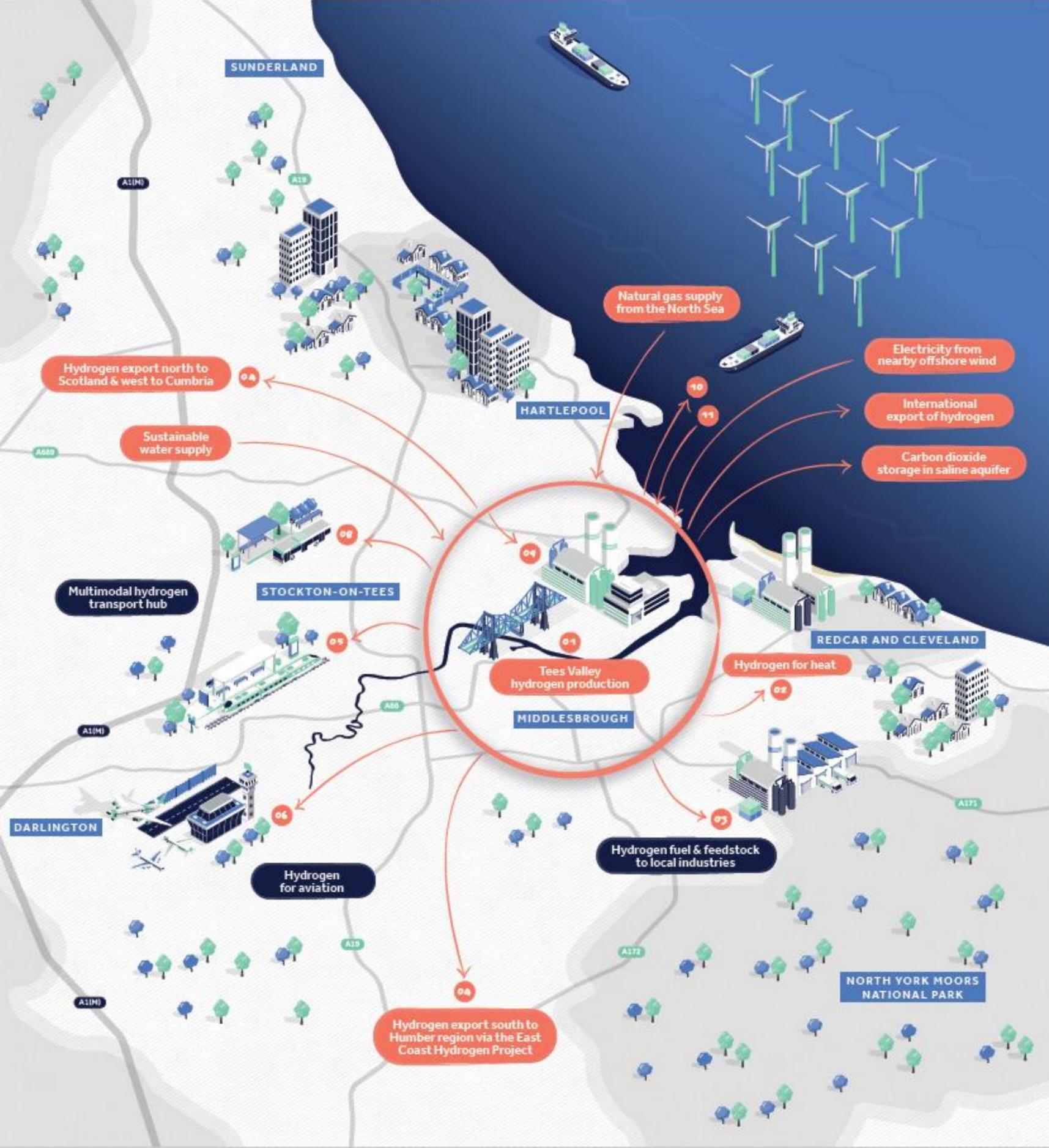
## A hydrogen Superplace

- Playing a vital role in helping the UK achieve its 2050 net zero ambitions
- Becoming one of the world's first decarbonised industrial clusters through production, consumption, and export of low carbon hydrogen
- Close to:
  - Industry seeking to decarbonize
  - Developing hydrogen infrastructure
  - Growing offshore wind pipeline

### Kellas – boosting the local economy

- Bringing high-quality jobs to the region
- Creating opportunities for skills development
- Supporting local supply chain
- Developing the next gen of engineers through University scholarships

**kellas**  
MIDSTREAM



# H2NorthEast

Producing low carbon hydrogen at scale



**1200** jobs during construction  
**400** high-quality jobs long-term\*



Ready to deliver **>355MW** in 2028  
Upscale to **>1.0GW** by 2030



**2028** – **0.6 MT** pa CO2 captured and stored  
**2030** – **>2 MT** pa CO2 captured and stored



**Synergies with CATS**  
Ideally located at CATS terminal on  
Teesside



Design life **25** years



\*approximate numbers based on economic evaluation

# Green Hydrogen

## Exploring gigawatt-scale production on Teesside

**RWE**

**RWE partnership** to jointly explore green hydrogen production on Teesside



We are leveraging our **leading positions** in energy infrastructure and renewables



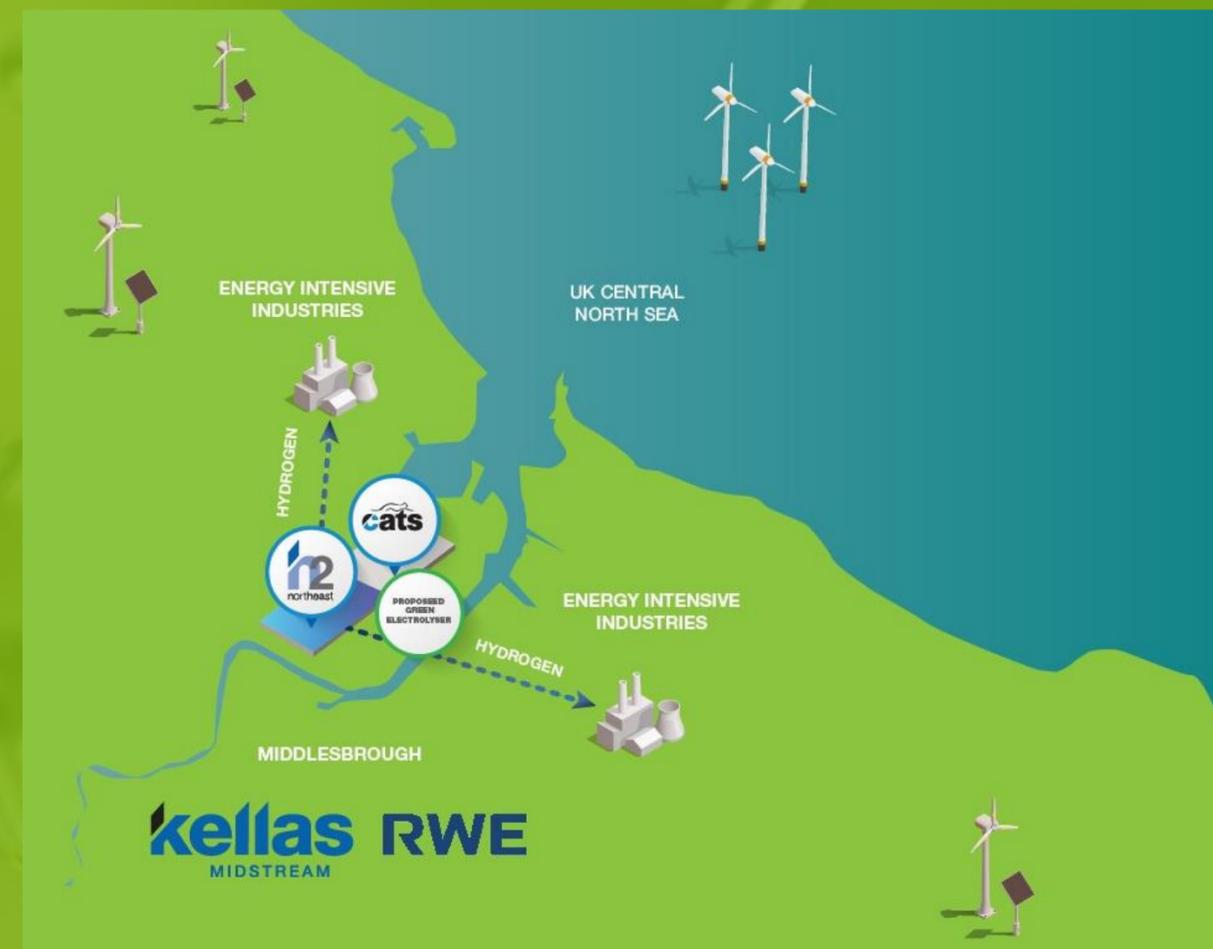
We understand the **H2 landscape** and are building a leading position in low carbon blue hydrogen



We are backed by **world-leading investors** fully committed to low carbon infrastructure solutions for the UK



We are aligned with H2 **customers** and can offer real insight into their ambitions and expectations



**kellas**  
MIDSTREAM



# Questions

**Guy Appleton** | Managing Director, New Energies

**Kellas Midstream Limited**

✉ [guy.appleton@kellasmidstream.com](mailto:guy.appleton@kellasmidstream.com)

🌐 [www.kellasmidstream.com](http://www.kellasmidstream.com)

in [www.linkedin.com/company/kellasmidstream](http://www.linkedin.com/company/kellasmidstream)

