

Hydr@gen East

Supporting the Hydrogen Economy
across the East of England



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Introduction to Hydrogen East



- **Hydrogen East** was formed in July 2020 to explore the potential for hydrogen in East Anglia.
- We will support development of a **regional hydrogen economy** by working in partnership with stakeholders and leveraging the region's abundant energy assets, infrastructure and supply chain.
- We hope to develop a **viable route-map** that sees East Anglia as a leading 'hydrogen region'.
- Early **priority workstreams** will focus on:
 - The potential to redevelop the **Bacton gas terminal** as a co-ordinated energy hub
 - Exploring opportunities to deploy hydrogen production alongside **existing and planned nuclear assets**
 - The role of **hydrogen in clean transport**, with particular emphasis on municipal fleets and road freight moving to/from the east coast ports

Partners:



New Anglia Energy



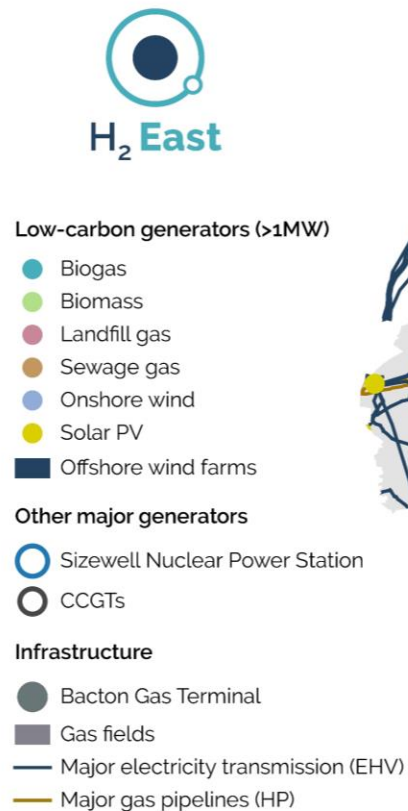
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Our vision for Bacton



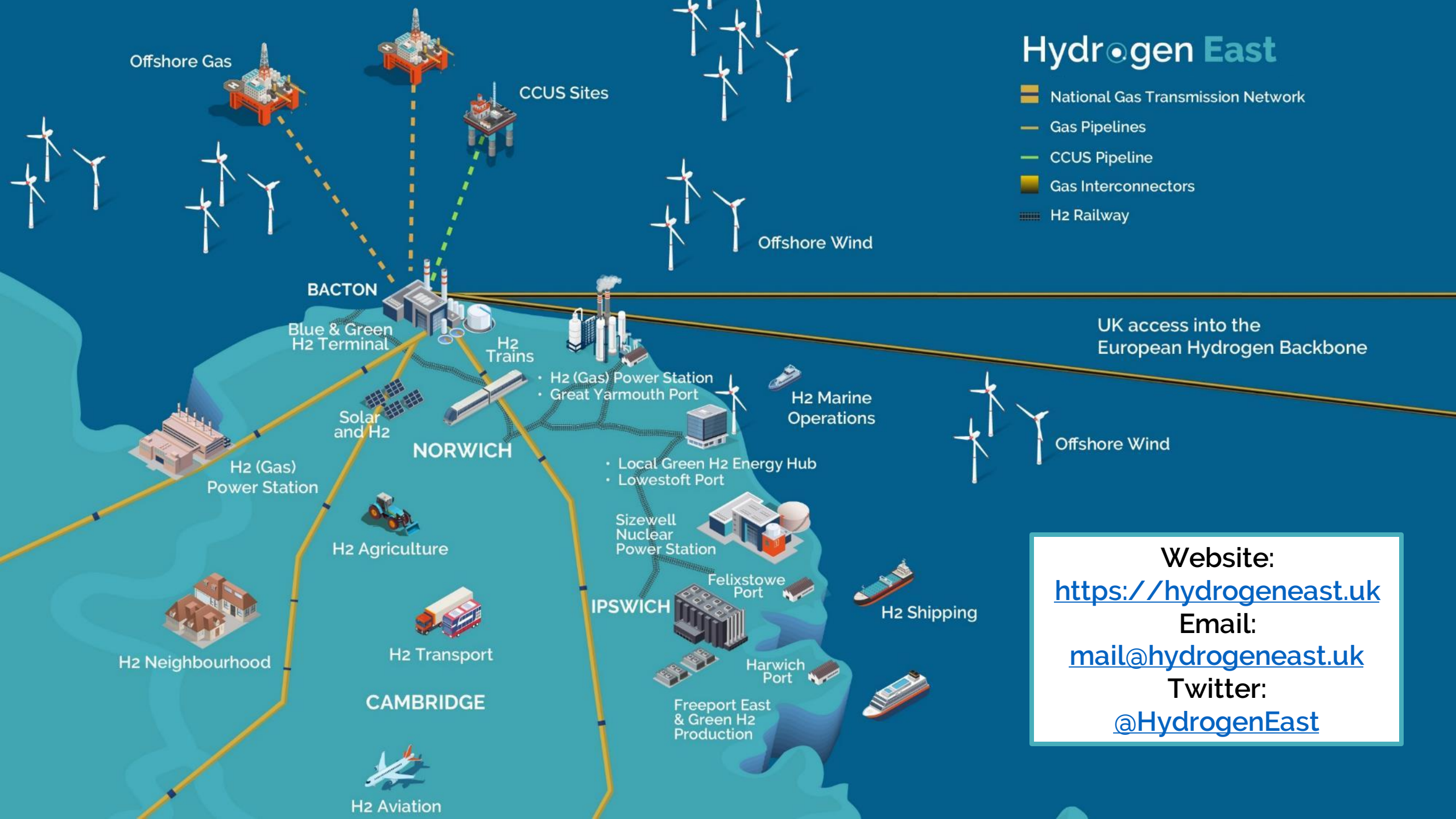
Bacton could be redeveloped as a cross-sector energy hub featuring hydrogen



- Depleted gas reservoirs in the SNS provide ample opportunity to establish a **competitive CCUS option** (some just 30km from shore)
- **Blue hydrogen production at scale** could be facilitated by existing incoming gas flows and any new CCUS development
- The site is served by two bi-directional gas interconnectors, which could be repurposed to **connect GB into the European Hydrogen Backbone**
- The continuing build-out of wind generation off the East Anglian coast provides a strong case for a **green hydrogen cluster** over time
- Onshore generation, including Sizewell B (and C) nuclear power stations and multiple solar farms can support **early-stage green hydrogen demonstrators** to foster early hydrogen demand

Hydrogen East

-  National Gas Transmission Network
-  Gas Pipelines
-  CCUS Pipeline
-  Gas Interconnectors
-  H2 Railway



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