

National Gas Overview

Our network is a national asset essential to the functioning of society and is deemed a critical part of Great Britain's Critical National Infrastructure.



Managin



c.5000 miles of pipeline and >500 AGIs



>60 compressors across 21 sites



3x the energy transported by the electricity grid



33% UK annual electricity generated from gas

National Transmission Direct Connection

15 Industrial

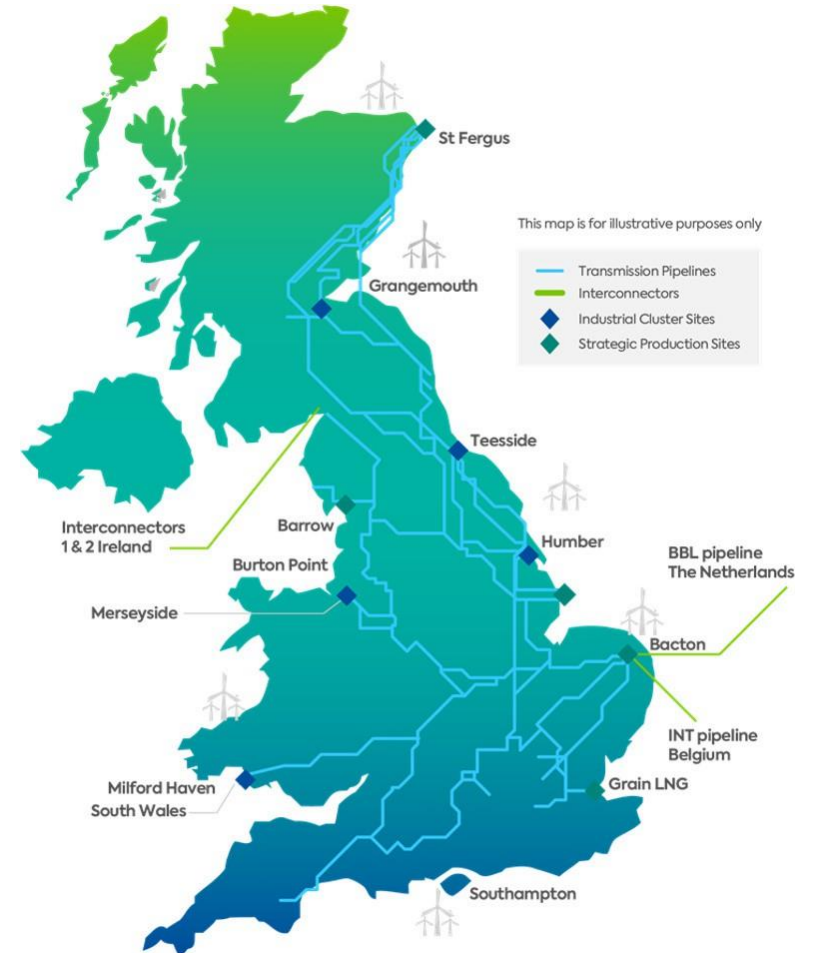
35 Power Generation

9 Storage Sites

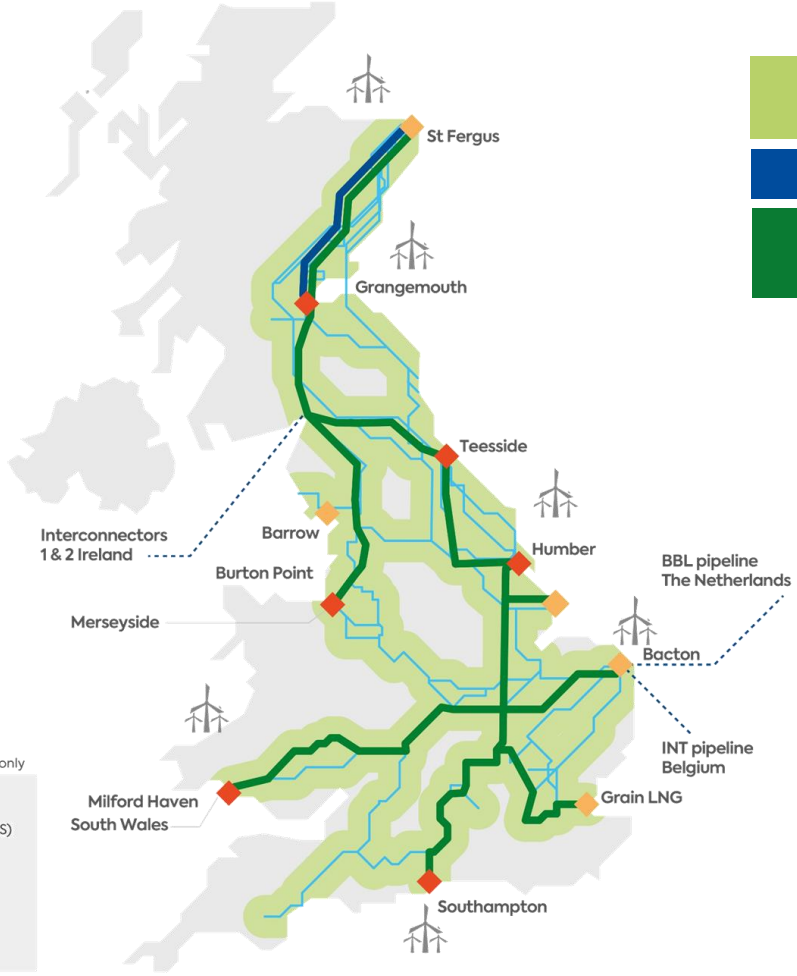
2 LNG Terminals

3 Interconnectors

4 Distribution Businesses

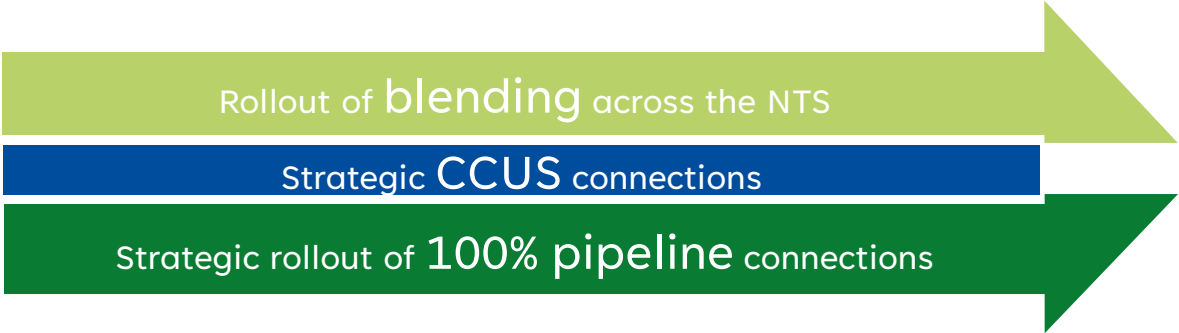


Three Molecule Approach to a hydrogen NTS: hydrogen blending and rollout of 100% hydrogen pipelines



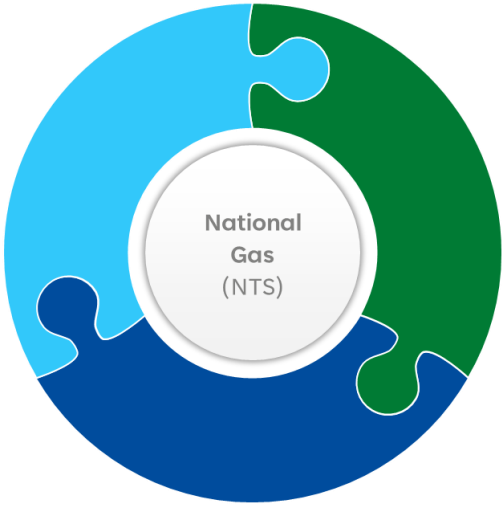
This map is for illustrative purposes only

- Project Union
- Carbon Capture Utilisation & Storage (CCUS)
- Blended Hydrogen
- Transmission Pipelines
- Interconnectors
- Industrial Cluster Sites
- Strategic Production Sites



Methane

- RIIO-3 and Resilience methodology
- Methane decarbonisation (leak reduction, bio and synthetic gas, blending)



Carbon Dioxide

- CCUS from blue hydrogen production and industrial processes
- SCO₂T

Hydrogen

- Project Union & FutureGrid
- NTS Blending
- Green and Blue hydrogen along with Pink, Yellow etc... will have a role in the future decarbonisation

Net Zero 2050

Levelling up, Job Creation

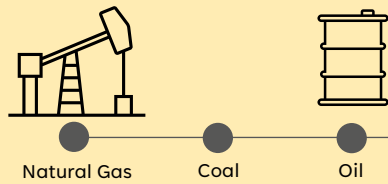
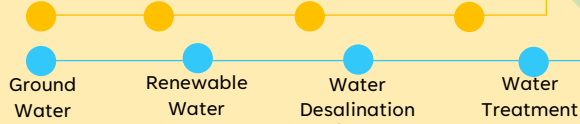
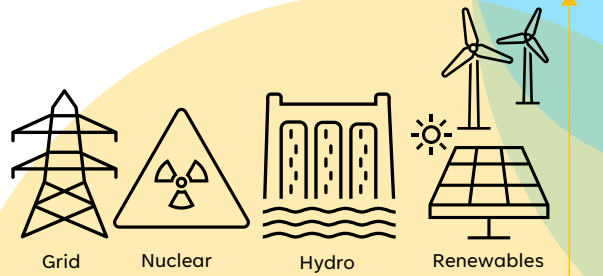
Global Leader in Green Innovation

Providing flexibility and optionality

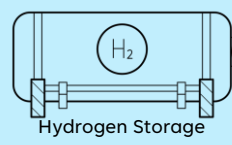
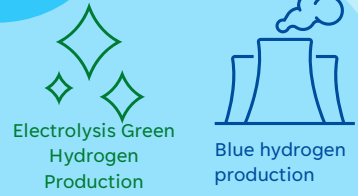


How we connect the Energy System

Feedstocks



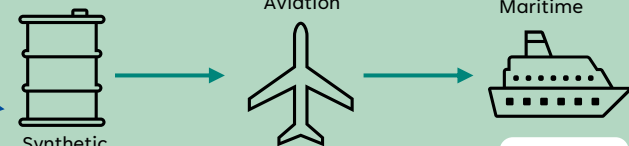
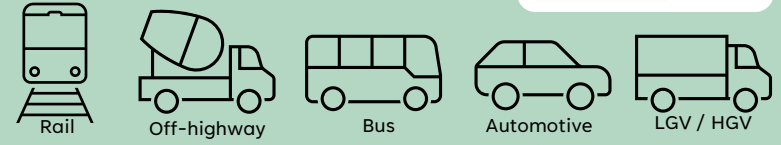
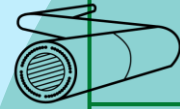
Hydrogen Production & Storage



CCUS



Converted to Hydrogen Carriers



Applications

Hydrogen Import

Hydrogen Export



Agriculture

