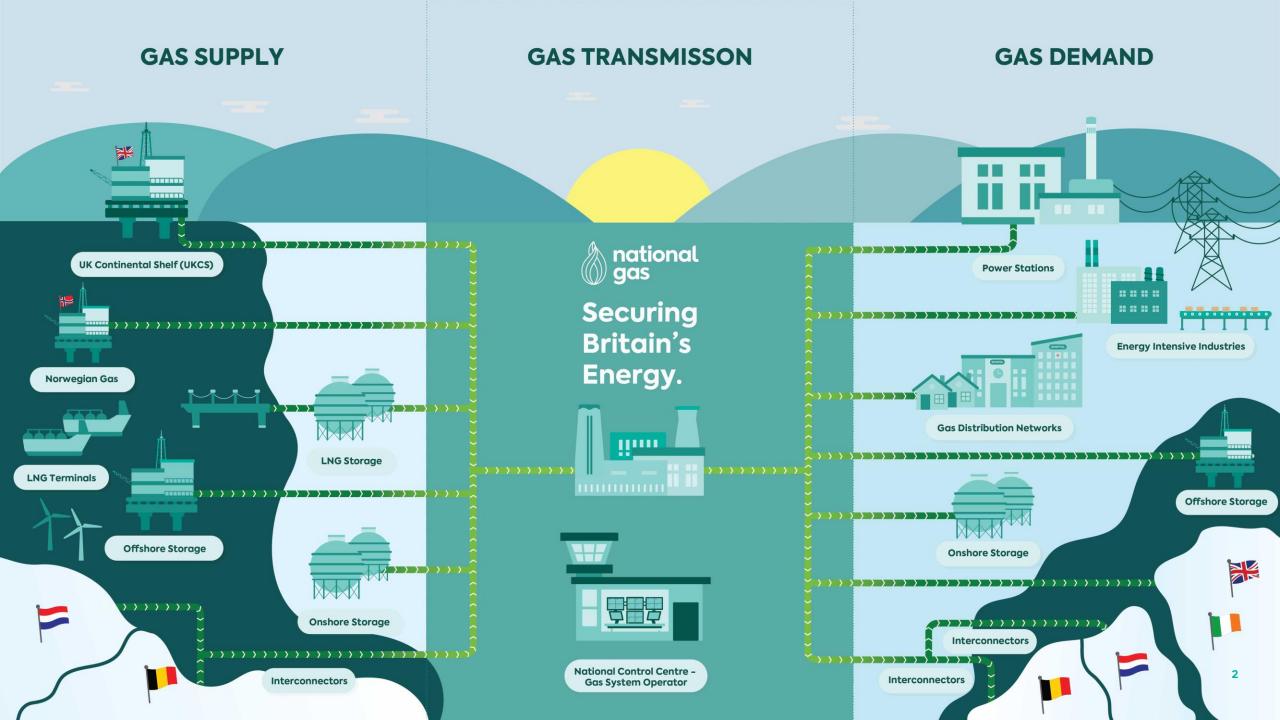


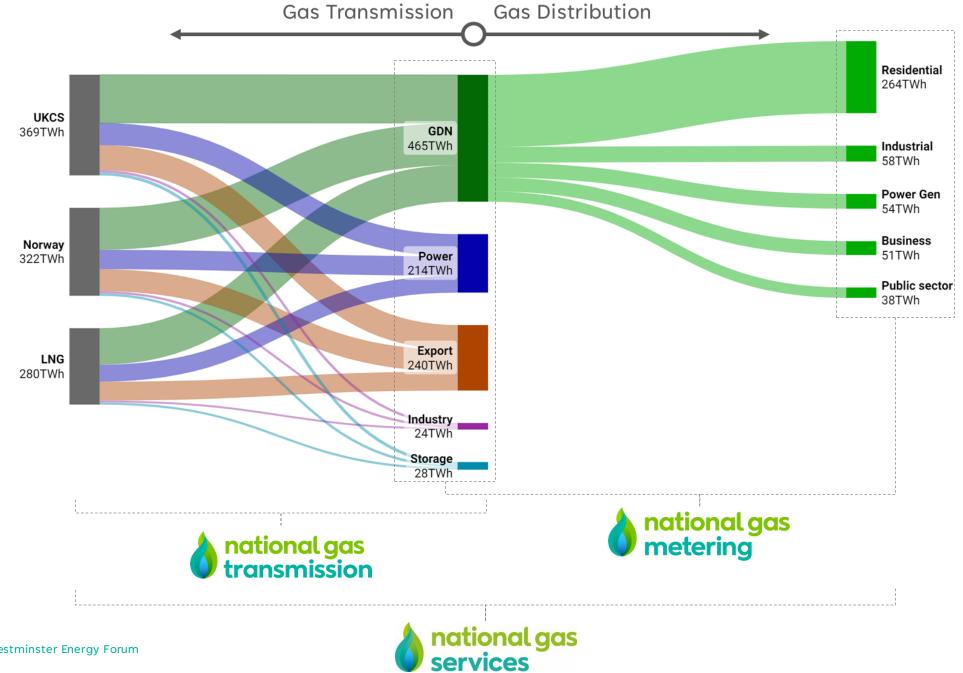
Securing Britain's Energy.

Jake Tudge National Gas

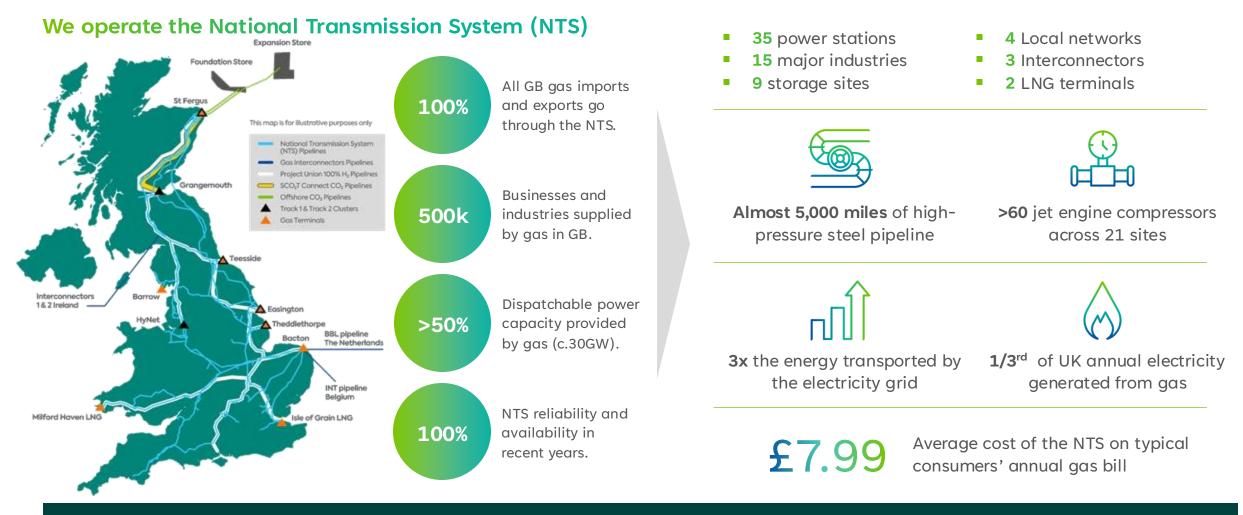
Westminster Energy Forum 5th November 2024





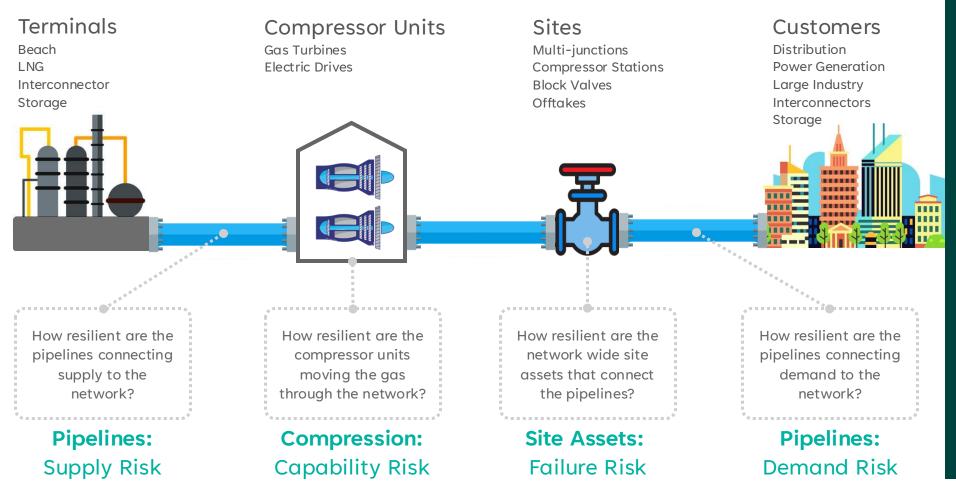


Introduction to National Gas – who we are, our critical national infrastructure, and our role in securing Britain's energy whilst supercharging the delivery of net zero.



The NTS supplies over 40% of the UK's primary energy – also securing energy for the island of Ireland and continental Europe.

Energy security – our role in maintaining a secure supply of energy, including as Network Emergency Coordinator (NEC).



What is the NEC?

The Network Emergency Coordinator (NEC) is an independent industry role whose duty is to **co-ordinate the actions across affected points of the gas network** to prevent or minimise the consequences of a Network Gas Supply Emergency (NGSE).

This is defined as **"an emergency** endangering persons arising from a loss of pressure in a network, or part thereof".

Who is the NEC?

The role of the NEC is undertaken by National Gas – including **our CEO Jon Butterworth** – and is independent from any commercial interests of any organisation within the Gas Industry.

Industry participants such as Transporters and Shippers have a **legal duty to cooperate** with the NEC, who has the powers to direct the defined duty holders.

The NEC would engage directly with the highest levels of government during the unlikely event of a national gas emergency.

Hydrogen – our plans for a core hydrogen network and the **ProjectUnion** opportunity to create a competitive hydrogen economy. Project Union is our vision for a core hydrogen network, as St Fergus recommended by the Climate Change Committee, National Infrastructure Commission, and Royal Academy of Engineering. This map is for illustrative purposes only 不下 Project Union £38bn Grangemouth Transmission Pipelines A c.1,500-mile core hydrogen network connecting hydrogen System cost dustrial Cluster Sites saving¹ production, strategic storage, and demand to deliver net zero Strateaic Production Sites through clean power and industrial decarbonisation. Teesside Utilise existing infrastructure, building new pipelines only Barrow Interconnectors where needed, to **deliver a cost-effective transition of gas** 1 & 2 Ireland **BBL** pipeline **Burton Point** The Netherlands infrastructure to build the hydrogen economy. 3100 Merseyside jobs at peak Bacton construction² Create a resilient hydrogen backbone which enables a UKwide hydrogen market and interconnection with continental INT pipeline Belaium **Europe** through the European Hydrogen Backbone (EHB). Grain LNG Milford Haven South Wales £300m Provide hydrogen producers and demand – such as **power** GVA to the UK Southampton stations and major industry - with the confidence that a economy² market will be available for low carbon hydrogen at scale.

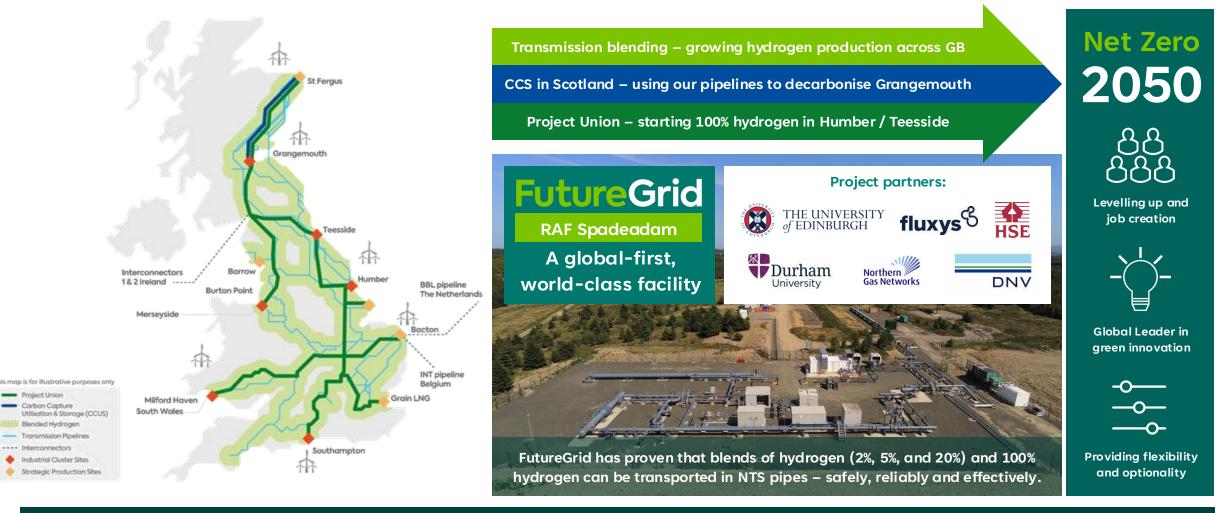
Great Britain's core hydrogen network will deliver clean power, drive industrial decarbonisation and support economic growth.

National Gas | Westminster Energy Forum

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1) Gas and Electricity Transmission Infrastructure Outlook [GETIO], 2021, 2) Project Union Feasibility Report, 2021 values.

Net Zero – we will support the UK to reach net zero and maintain energy security by blending into our transmission network and aligning with Europe's blending plans.



Blending will supercharge the growth of all forms of low carbon hydrogen and enable continued security of supply with Europe.

Thank you.

