



UKCS road to net zero

Technology Driving Transition

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Pace of change – positive feedback loop



Leading with purpose



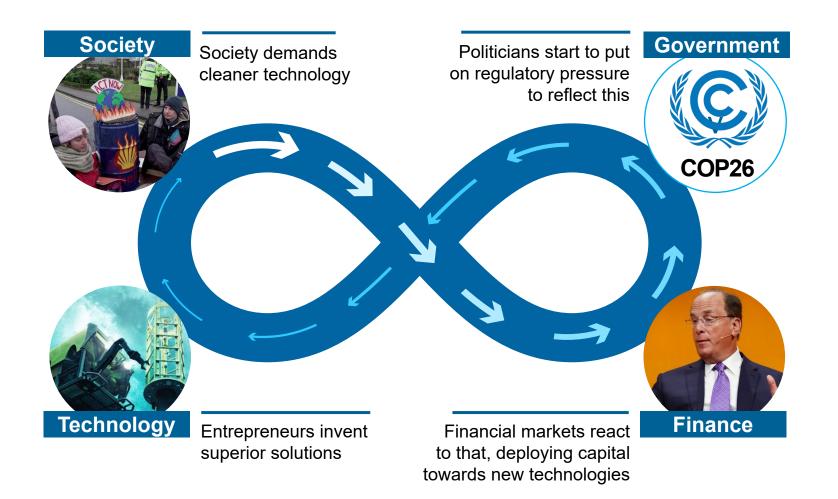
Climate change – Loss of Biodiversity – Social inequality



Unique opportunity post pandemic green and just recovery



Requires whole systems approach and down to all of us



Modified from: World Economic Forum: The Speed of the Energy Transition

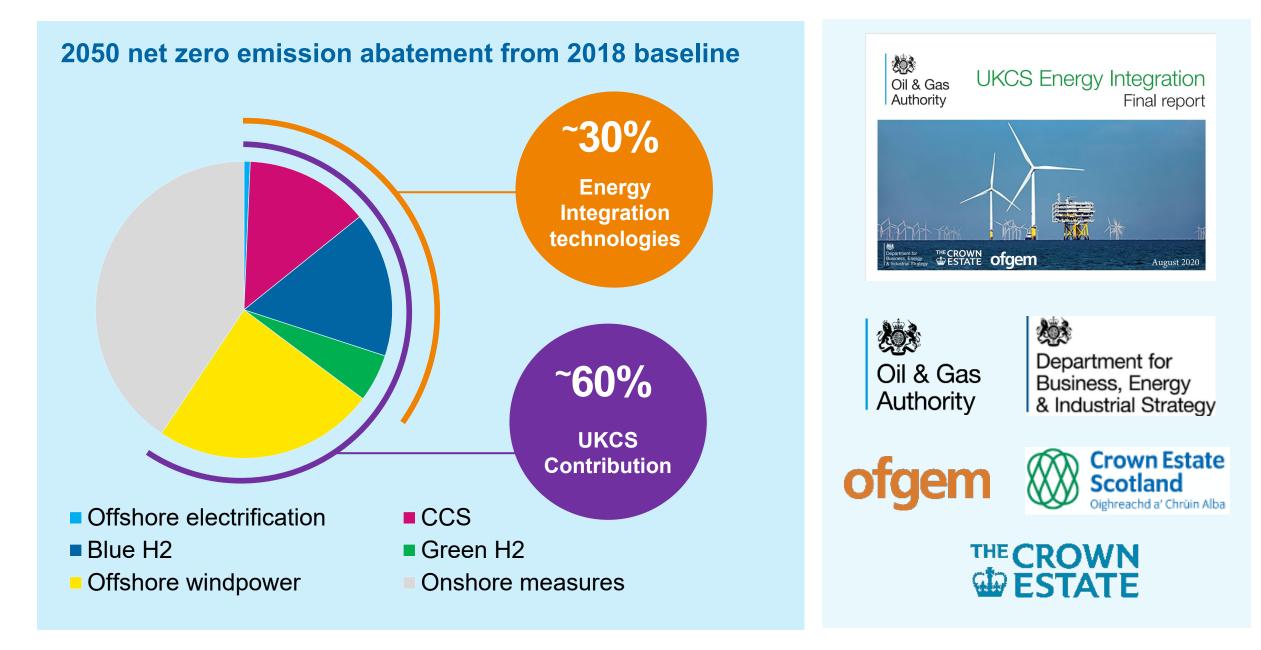
Collaboration and sharing learning





Offshore contribution to UK net zero

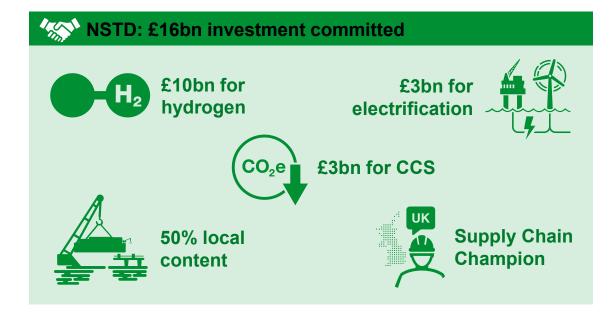


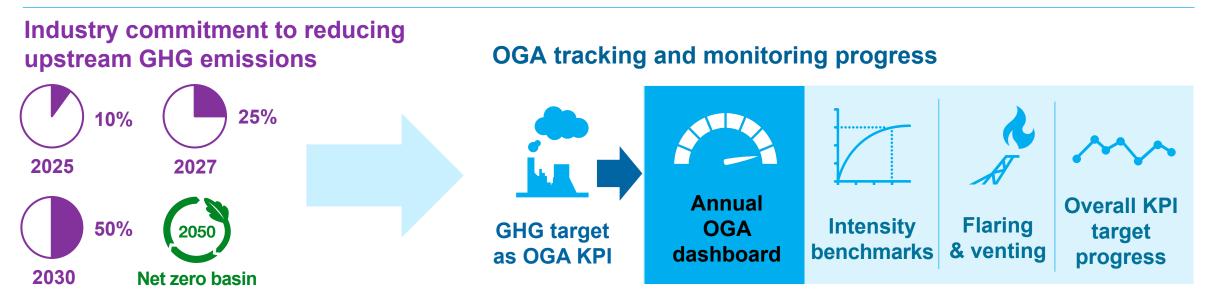


North Sea Transition Deal



- Govt & industry commitment to transition
- First of kind for G7 country
- Future licensing climate checkpoint
- Quid pro quo





Focus on technologies & further innovation to deliver net zero



Emissions reduction

- Flaring and Venting reduction
- Energy efficiency
- Low-carbon power

Electrification

- Cost-efficient brownfield modifications to power existing platforms
- Reducing costs of floating wind
- Alternative low-carbon power generation

Hydrogen

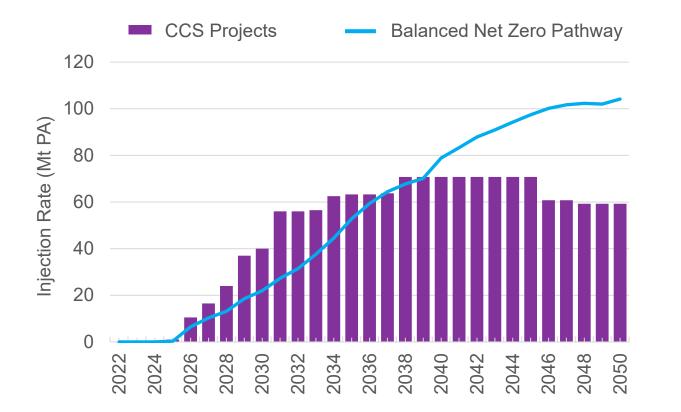
- Large scale hubs
- Hydrogen supply
- Hydrogen transportation

Carbon Capture and Storage

- CO₂ capture is the largest CCS cost component
- CO₂ transportation
- CO2 storage

CCS – the time is now





Potential to get ahead of the curve



Northern Endurance Partnership, Teesside







Acorn, St Fergus



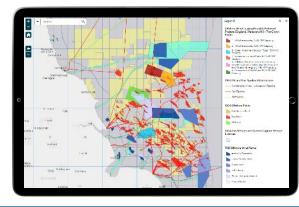
V Net 0, Immingham



Power of data and digital



Geographic Information Systems (GIS)



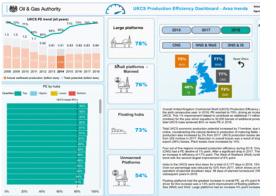
Digital Energy Platform

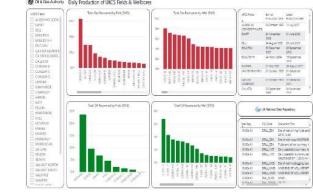


- Open to all
- Cloud based
- View & download data
- Integrated with other data sources
- Authoritative

Insights

Data collected, analysed and disclosed to encourage action





Advancing the energy transition

New NDR already being used by industry & academia across multiple CCS & hydrogen studies





Oil & Gas Authority

