

North Sea Transition Authority

The Energy Transition and the Future of the North Sea

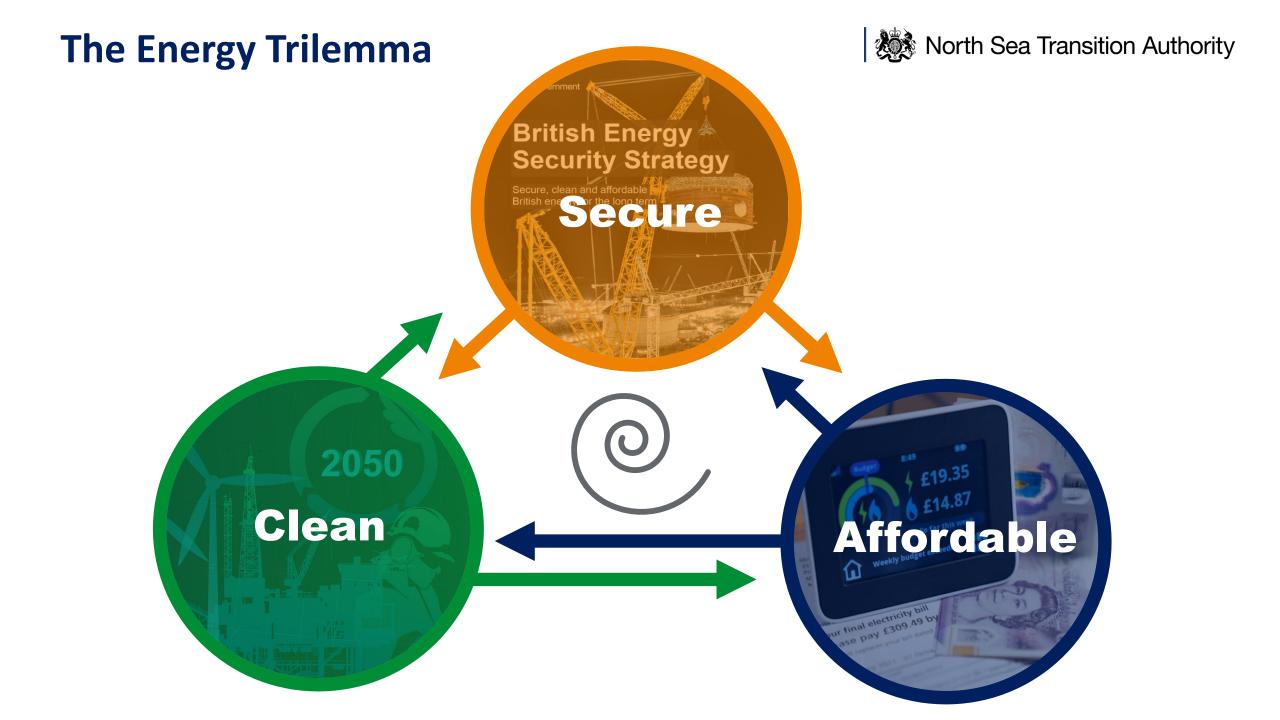
WECA conference

Dr Andy Samuel, Chief Executive

28 November 2022

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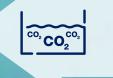
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Ocean of opportunity







78gt CO₂ storage & major repurposing

New hydrogen economy



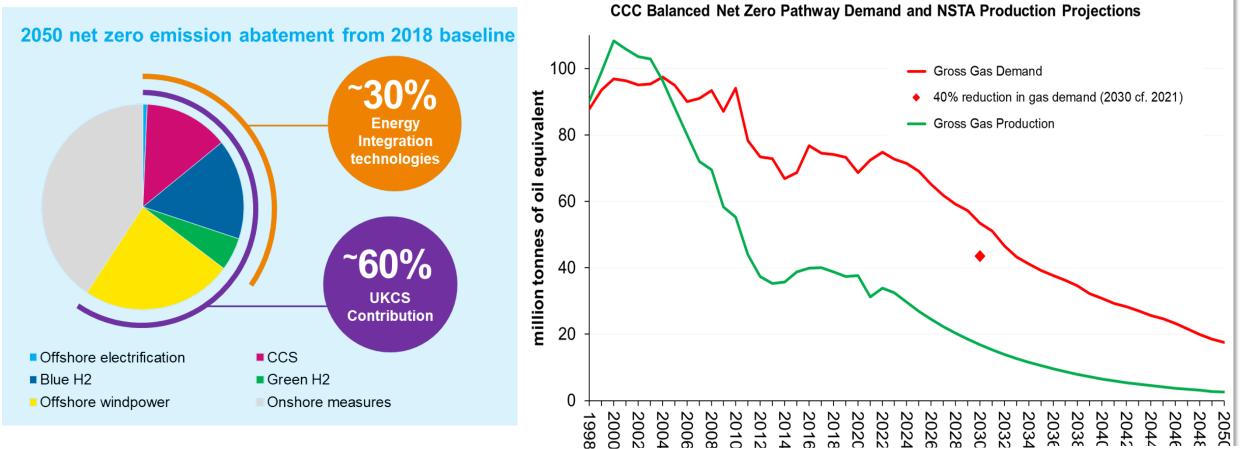


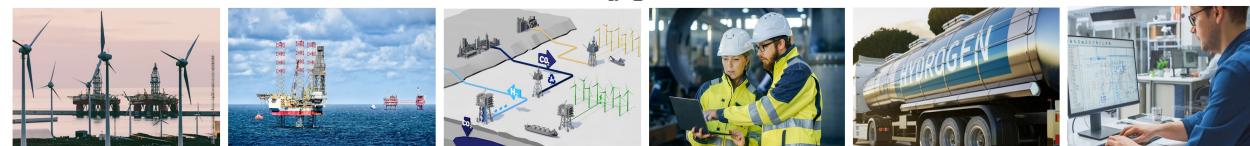




Transition in action

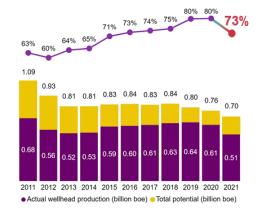


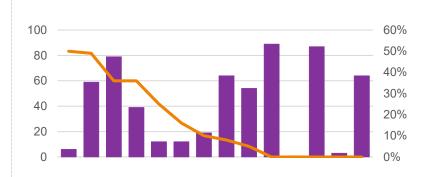




Security of Supply – NSTA action

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Operational efficiency

Wells

Projects pipeline



Gas storage



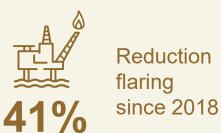
Exploration



33rd Offshore Licensing Round

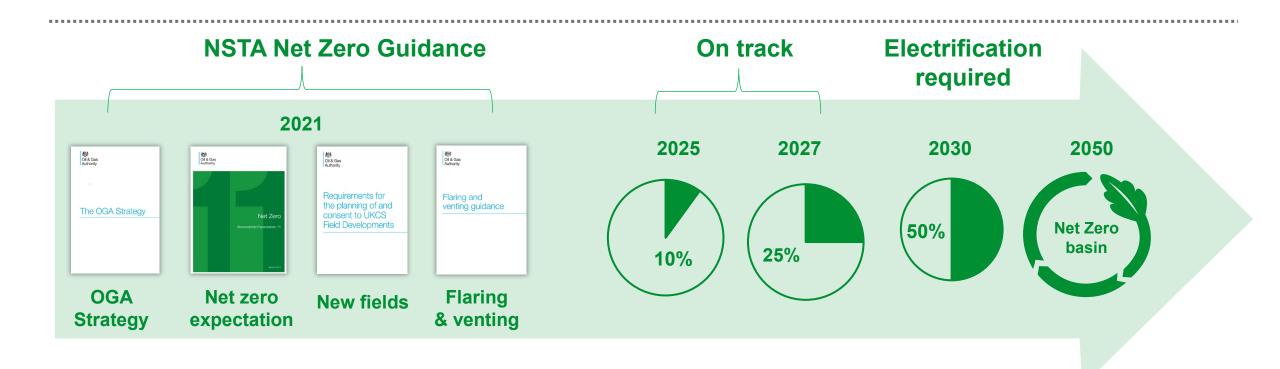
North Sea Transition Deal – Leading the way | 🗞 North Sea Transition Authority

- First of its kind in G7 country
- Transition creating massive opportunities
- NSTA tracking progress



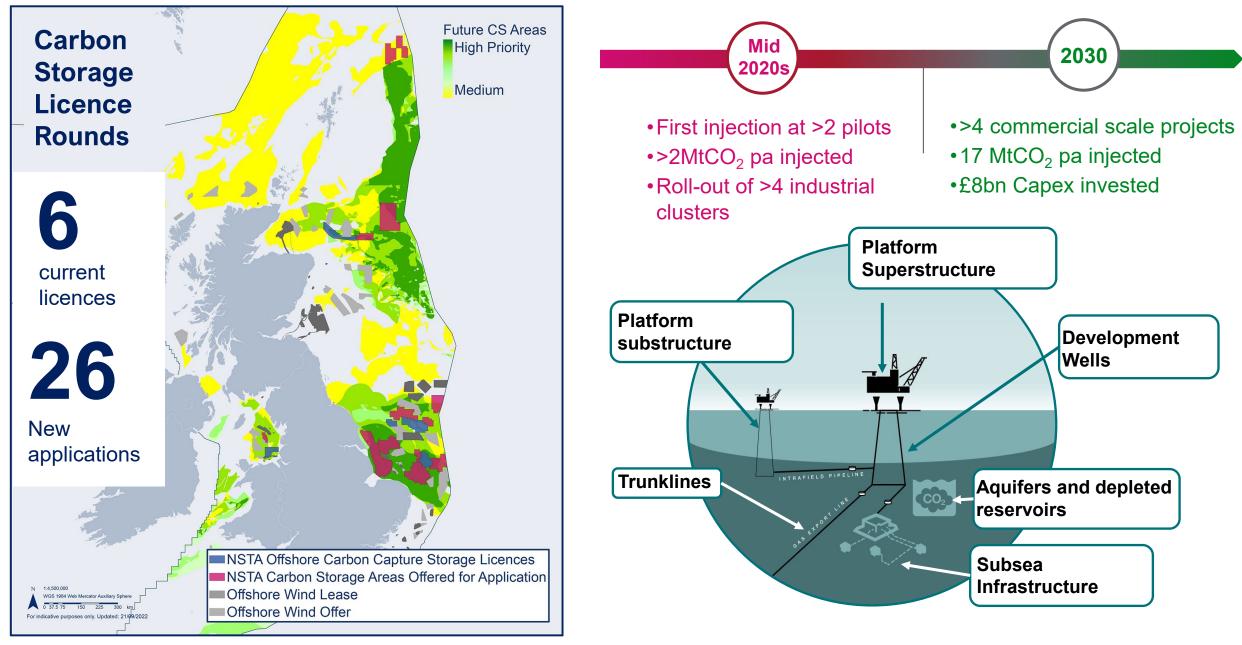
Early successes



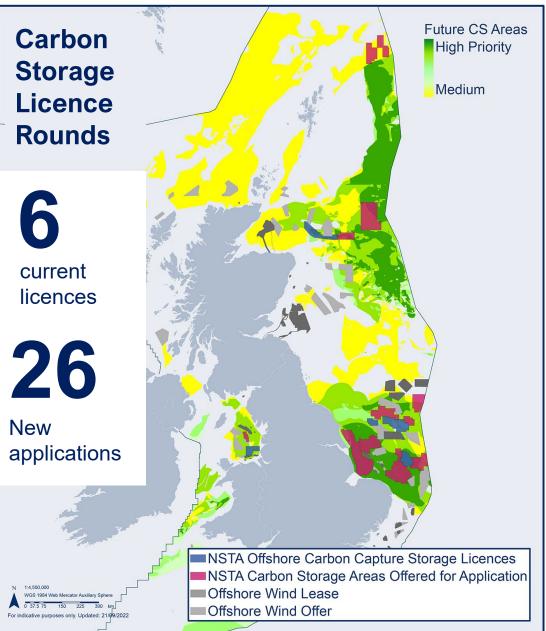


Carbon storage and circular economy

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Carbon storage and circular economy



North Sea Transition Authority **Geological Net Zero** 78 Gt ~55 Gt ~23 Gt Similar to the **UK's total** territorial emissions since 1750 **Total carbon** Total oil and Net gas emissions Sequestration storage (1970-2050)capacity opportunity

Hydrogen and Windpower

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Windpower growth and electrification



~10MtCO₂pa
O&G offshore emissions
from power generation

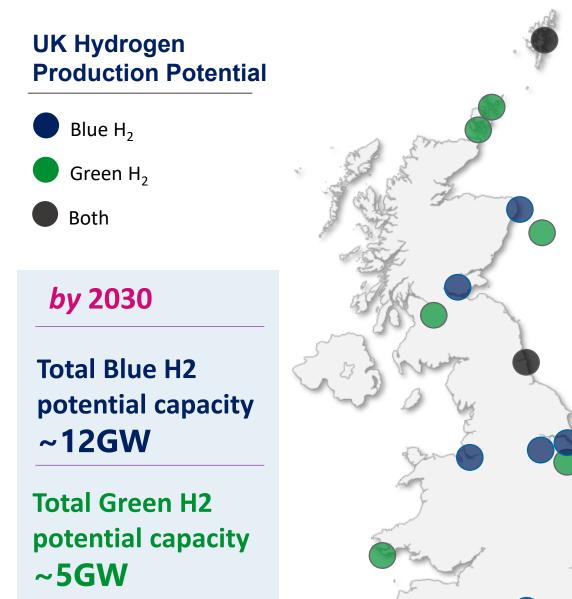


~2.5 GW O&G power demand



Windpower growth **near O&G areas**, opportunity to supply clean energy **INTOG**, first of a kind dedicated to oil and gas decarbonisation whilst supporting wind power growth (particularly floating)

INTOG LEASING



/indpower growth **near**

Supply Chain Key

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~ 85% of UK oil and gas workforce employed by supply chain

Supply Chain Action Plans, Stewardship Expectation 12 & robust reviews



Prompt payment



Energy Pathfinder: 135 live projects



& Technology



Partnerships

World class innovation





Leadership: tripartite focus on transition



Emissions reduction technology & best practice exported globally





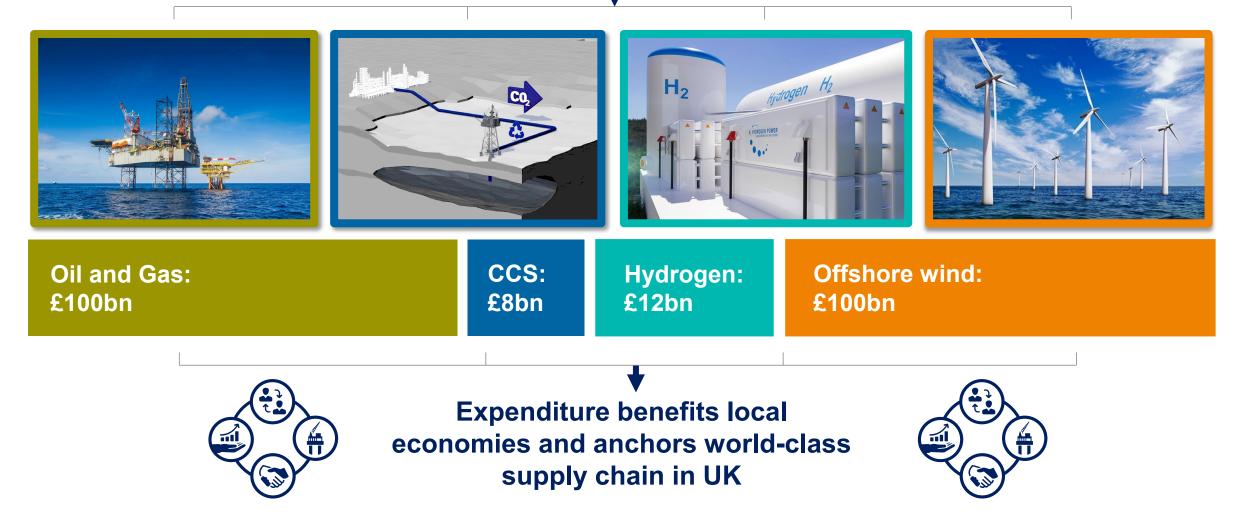
Technology Driving Transition



The Prize: UKCS expenditure 2022-2030

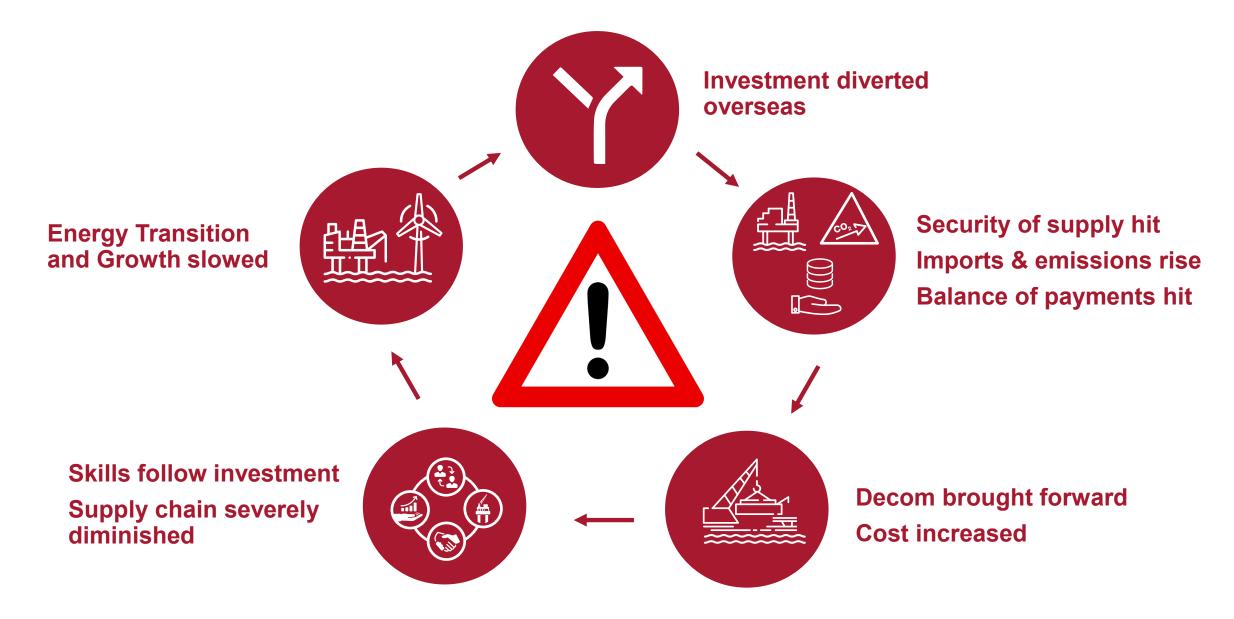






Alternative vicious cycle scenario

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Tripartite delivery



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Industry

Deliver on North Sea **Transition Deal**

Reg

Streamline & integrate regulatory landscape

Govt

Stability and certainty for investors



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