



North Sea  
Transition  
Authority

# DNS Conference 2023

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## Offshore Decommissioning in the UK

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Regulating and influencing the oil, gas and carbon storage industries. Driving North Sea energy transition, realising the significant potential of the UK Continental Shelf as a critical energy and carbon abatement resource. We are holding industry to account on halving upstream emissions by 2030.

## ENERGY SECURITY



Helping meet UK energy demand

Oil and gas licensing and stewardship

## EMISSIONS REDUCTION



Regulating for emissions reduction

Promoting electrification and zero routine flaring and venting

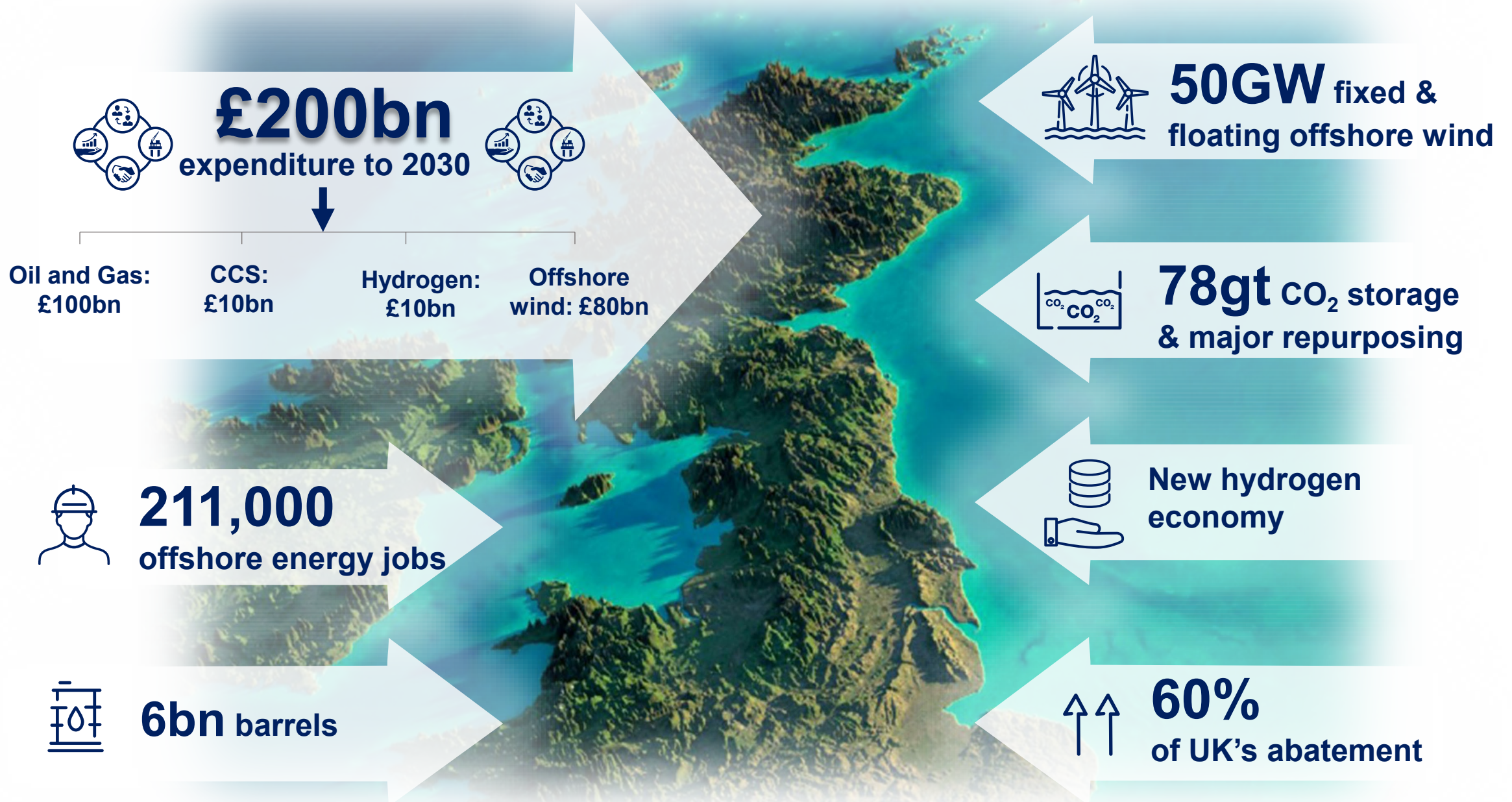
## ACCELERATING THE TRANSITION



Carbon storage licensing and stewardship

Promoting energy integration  
Providing open access data

# North Sea opportunity – *Integration*





# Critical for transition



## Decom & Supply Chain



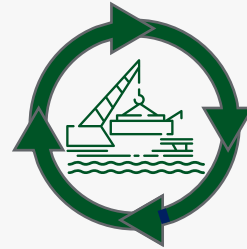
Increased visibility of decommissioning plans to build/maintain sustainable supply chain



Time-critical decom opportunity. Next 10 years lays foundation for ~£20bn of committed expenditure



Fulfilling decommissioning obligations per agreed plans is integral part of transition and UKCS license to operate



## Reuse & Repurpose



Imminent need to progress actual reuse & repurposing of UKCS infrastructure



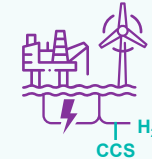
Up to operators to create the next generation of multi-functional energy hubs



Translating significant value opportunity into a supporting driver of the UK energy transition



## Integration



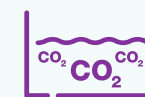
Lead wind, hydrogen, carbon storage and oil & gas integration across basin



Solidify the flight path to a hub-based basin



Manage competing demand for resources in challenging economic environment



Working to set global benchmark for carbon transport & storage

We work with industry to minimise the costs of decommissioning, setting a 10% cost reduction target. As decommissioning activity intensifies, there are significant opportunities for the UK supply chain.

**New cost  
estimate  
for 2023–2028**



**10% saving  
agreed  
with industry**

Real spend to peak at **£2.5bn**  
**a year** within next 20 years



NSTA digital tools give supply chain clear sight of upcoming work giving them confidence to invest

Savings of **20–25%**  
in 2017–2021



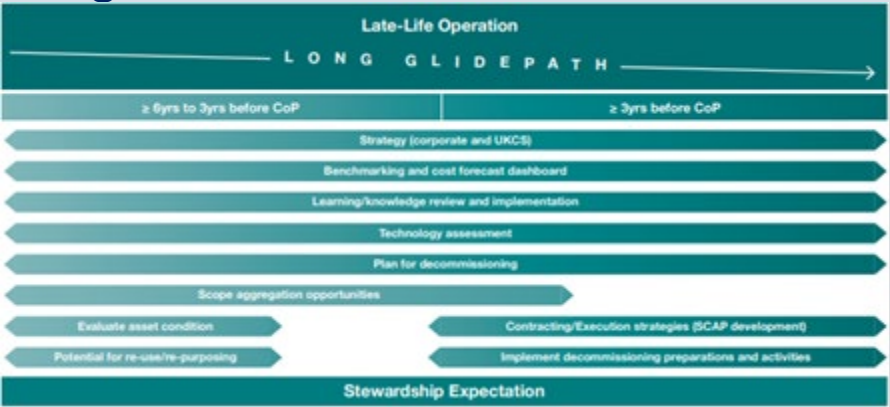
Money saved for the exchequer  
which can be reinvested

The NSTA aims to ensure that decommissioning is carried out cost effectively, in accordance with regulatory requirements, consistent with our strategy.

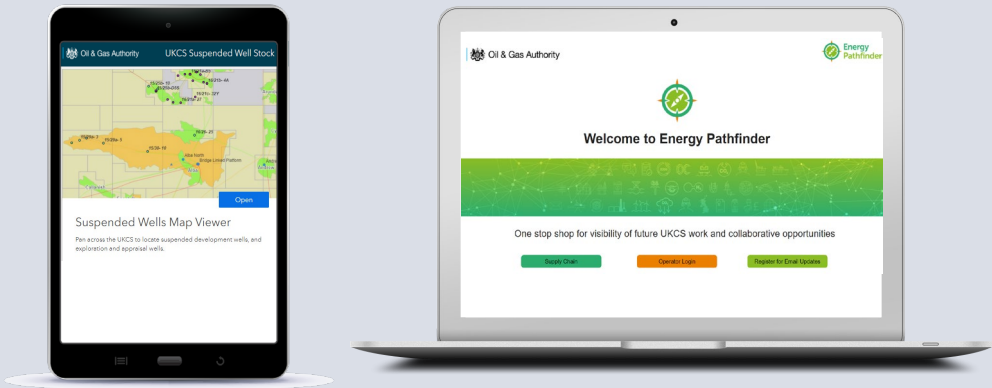
## Strategy and Stewardship



## Planning



## Tools and insights – industry activity and data visibility



### Well Decommissioning

Platform Wells (qty)



142

Subsea Wells (qty)



48

### Removals

Topsides (t)



91K

Weight (t)

Substructure (t)



80K

Weight (t)

### Subsea Infrastructure (to be removed)

Subsea structures  
(qty / t's)



68

5383

Umbilicals (qty)



40

Mattresses (qty)



2247

Trunklines / In field  
pipelines (km)



0.0

41.8



- **NSTD** voluntary commitment from industry to 50% local content
- **Supply Chain Action Plans** (SCAPs) mechanism to monitor local content and drive value contracting
- **Supply Chain Taskforce** focus on establishing additional UK manufacturing capacity
- **CCS** working closely with current projects - NEP and Hynet
- **Pathfinder Platform** widened for full range of energy transition projects
- **Working with DESNZ** on opportunity to align onshore CCS capture elements with NSTA established mechanisms
- **Hydrogen** – Government consultation on appointing NSTA as hydrogen regulator for transport and storage
- **Offshore Electrification** – key net zero enabler and supply chain opportunity

