



Oil & Gas
Authority

The Oil & Gas industry: Towards a cleaner future

UK & Brazil Partners in Energy Event

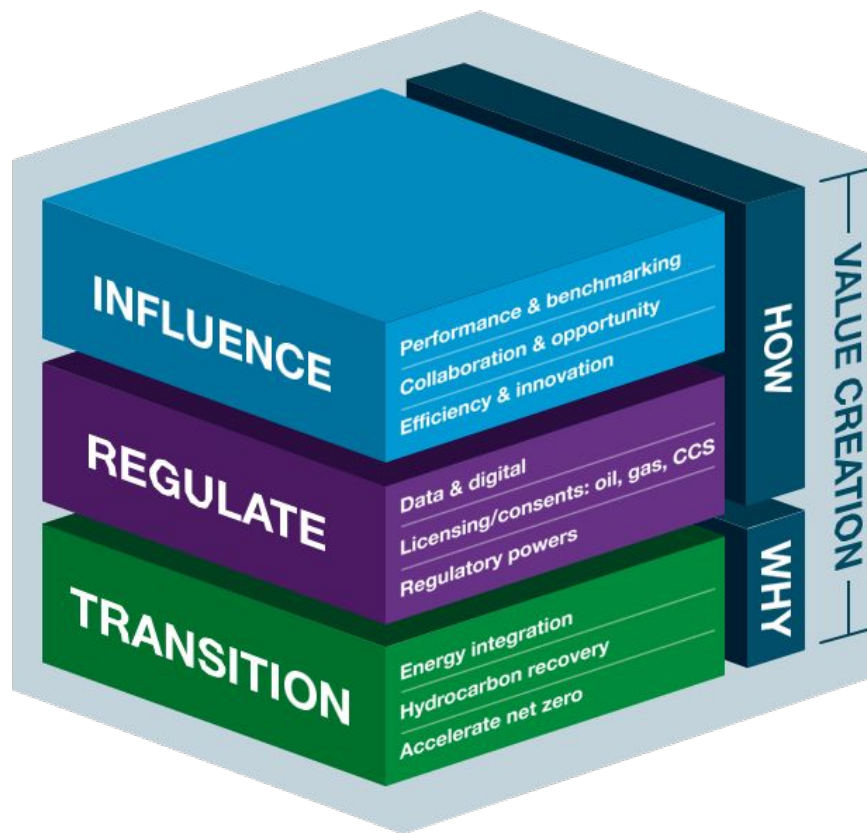
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OGA role



OGA values:

Accountable

Fair

Robust

Considerate

The Oil and Gas Authority's (OGA) role is to regulate and influence the UK oil and gas industry. The OGA aims to be a value creator; maximising economic recovery from the UK's hydrocarbon resources and helping meet the UK's energy demands, whilst supporting the industry's energy transition and move to net zero carbon by 2050. It works in conjunction with other regulatory authorities and has a range of powers to deliver this remit.

Role of oil and gas in transition to net zero

Government forecasts show that oil and gas will remain an important part of our energy mix for the foreseeable future as we transition to net zero.

UK needs to maintain a secure energy supply which is cleaner, and supports/contributes to net zero.
The role of oil and gas in the energy transition includes:



Maintaining secure energy supply



Lowering production emissions



Diversification opportunities and anchoring skills in UK



Infrastructure reuse



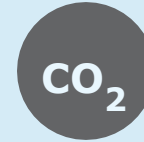
Supporting windpower expansion



Strong supply chain, exporting globally



Unlocking hydrogen

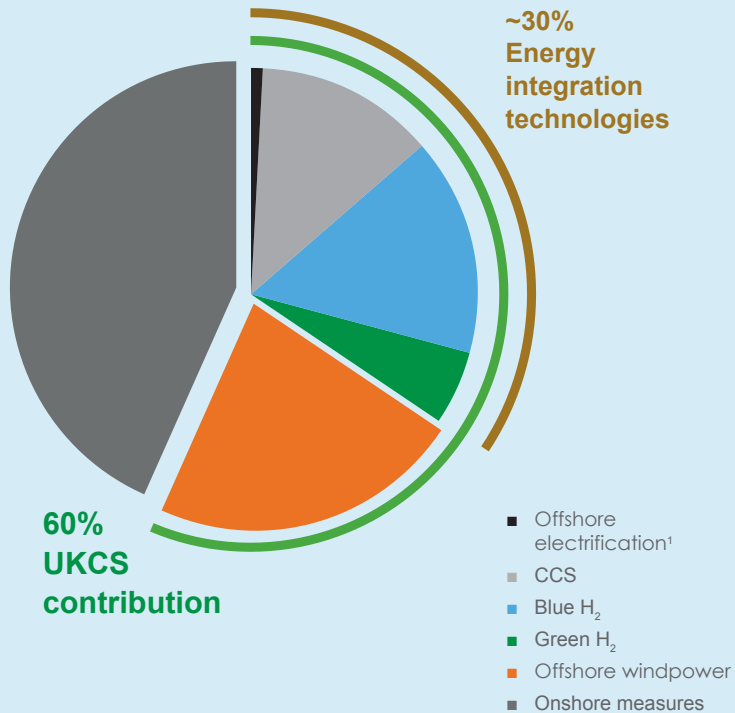


Expertise, infrastructure and capital to progress CCS

UKCS potential contribution to net zero

zero

UKCS net zero emission abatement period



¹Impact of O&G platform electrification contribution is shown at peak (mid 2030s)



The UKCS can provide solutions to 60% of the UK's net zero emissions

abatement needs.

Technology build-up will vary by UKCS area according to local energy resources, logistics and infrastructure, and access to relevant downstream markets.



O&G platforms



Offshore cables and ring-mains



Onshore decarbonisation clusters



CO₂ storage capacity



Blue hydrogen reformers



Windpower expansion



Green hydrogen electrolyser

Legend: map on next page

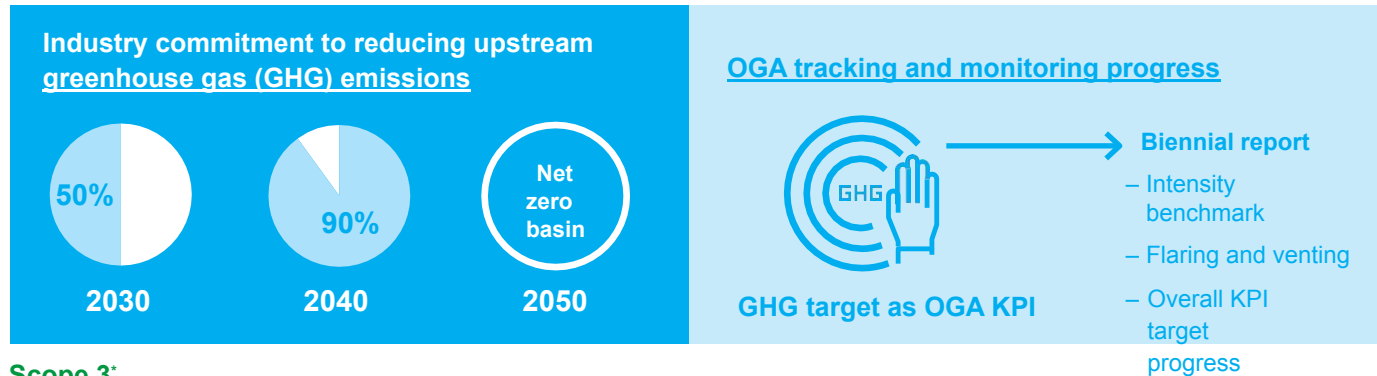


Driving the

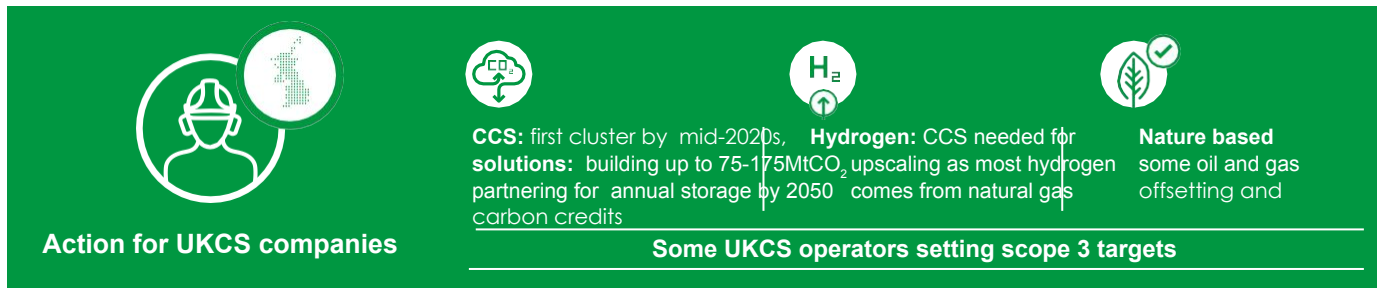
transition

The oil and gas industry has the skills, technology and capital to help unlock solutions required to help the UK achieve net zero. However, industry should also keep pace on reducing its carbon footprint or risk losing its 'social licence to operate'

Scope 1* and 2*



Scope 3*



*Scope 1 – Production *Scope 2 – Supply chain and transportation *Scope 3 – End user