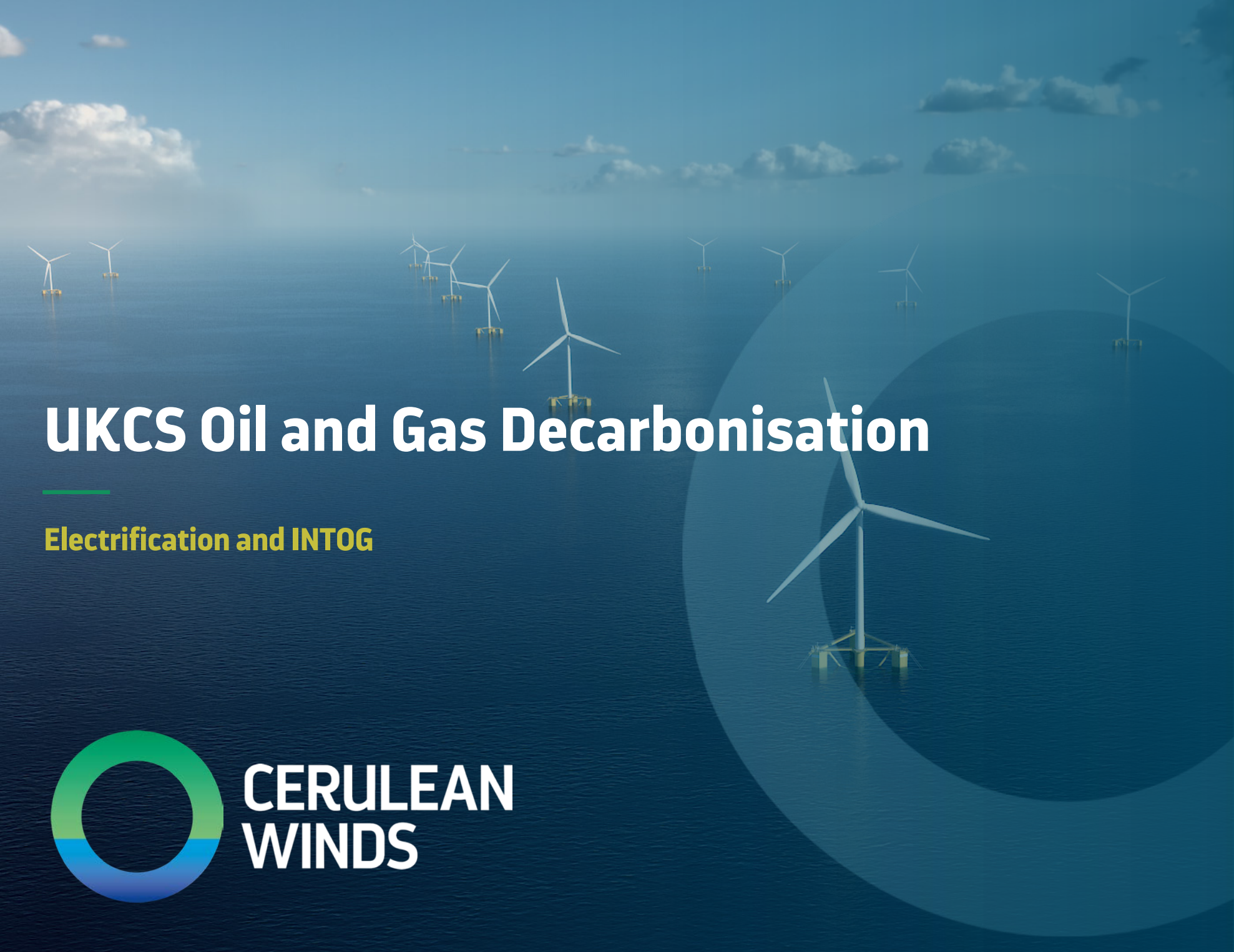


UKCS Oil and Gas Decarbonisation

Electrification and INTOG

CERULEAN WINDS

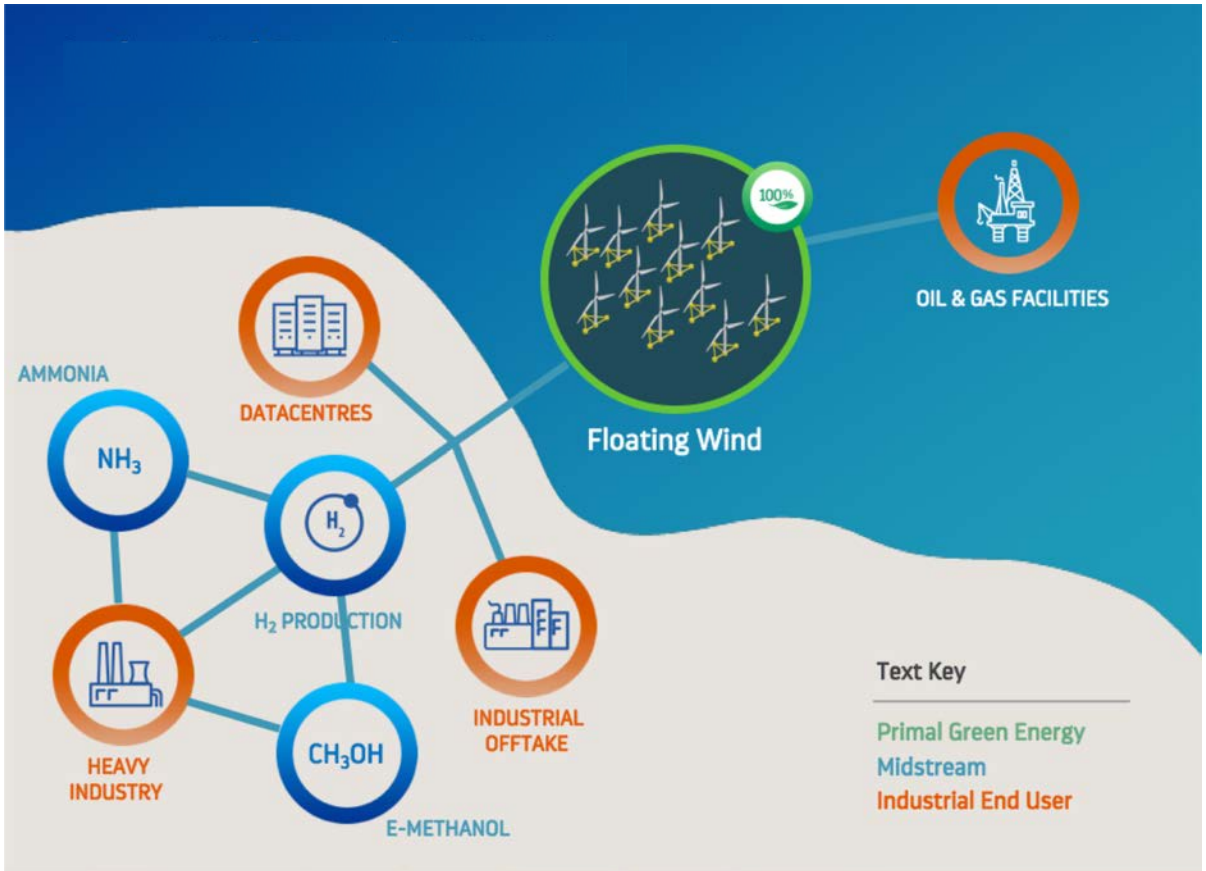
Introduction to Cerulean Winds

Cerulean Winds generate green electrons and green molecules and deliver them directly to the industrial user to cut carbon emissions

ORIGINATOR | DEVELOPER | PRODUCER

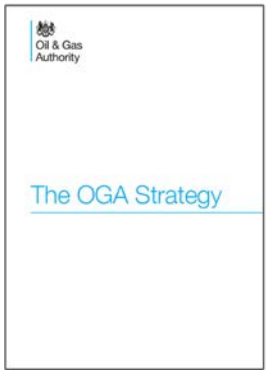
Green Energy for Industrial Decarbonisation

- Oil & Gas
- Transport
- Steel
- Chemical Industries
- Data Centres



UK Policy, regulatory & Governmental

Nov 2020



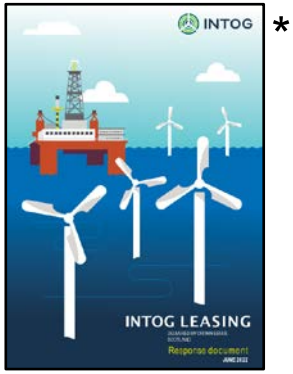
Dec 2020

Mar 2021

Aug 2021

Feb 2022

June/Aug 2022 *



North Sea Transition Deal

2025	2027	2030	2040	2050
-10% Emissions Reduction	-25% Emissions Reduction	-50% Emissions Reduction	**-90% Emissions Reduction**	**Net Zero Basin**

** INTOG: Innovation and Targeted Oil&Gas*

UKCS Energy Transition industry needs/principles of solution

Basin-wide approach

- Current user
- Planned development
- Future development

High availability of 100% green power

- Meet the Govt Emissions Targets

Electrify ASAP

(minimised brownfield modifications/turnaround , online by 2027)

Affordable electricity for Industrial users

Pay through use

(No Capex contribution to green energy system)

Delivery Certainty

(Streamlined consenting & permitting process through site selection)

Cerulean Scheme

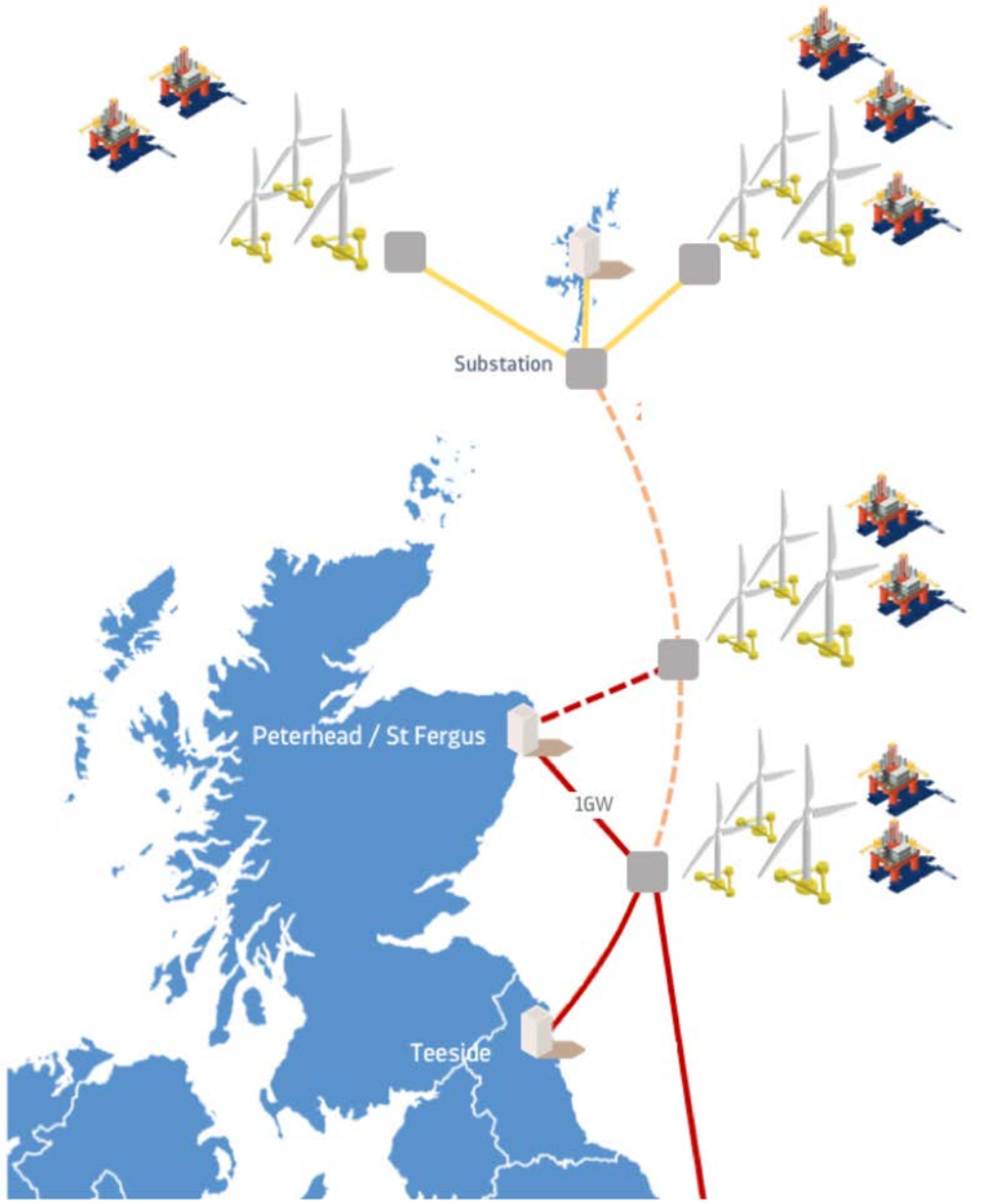
Scale

Brownfield Works

Excess Energy

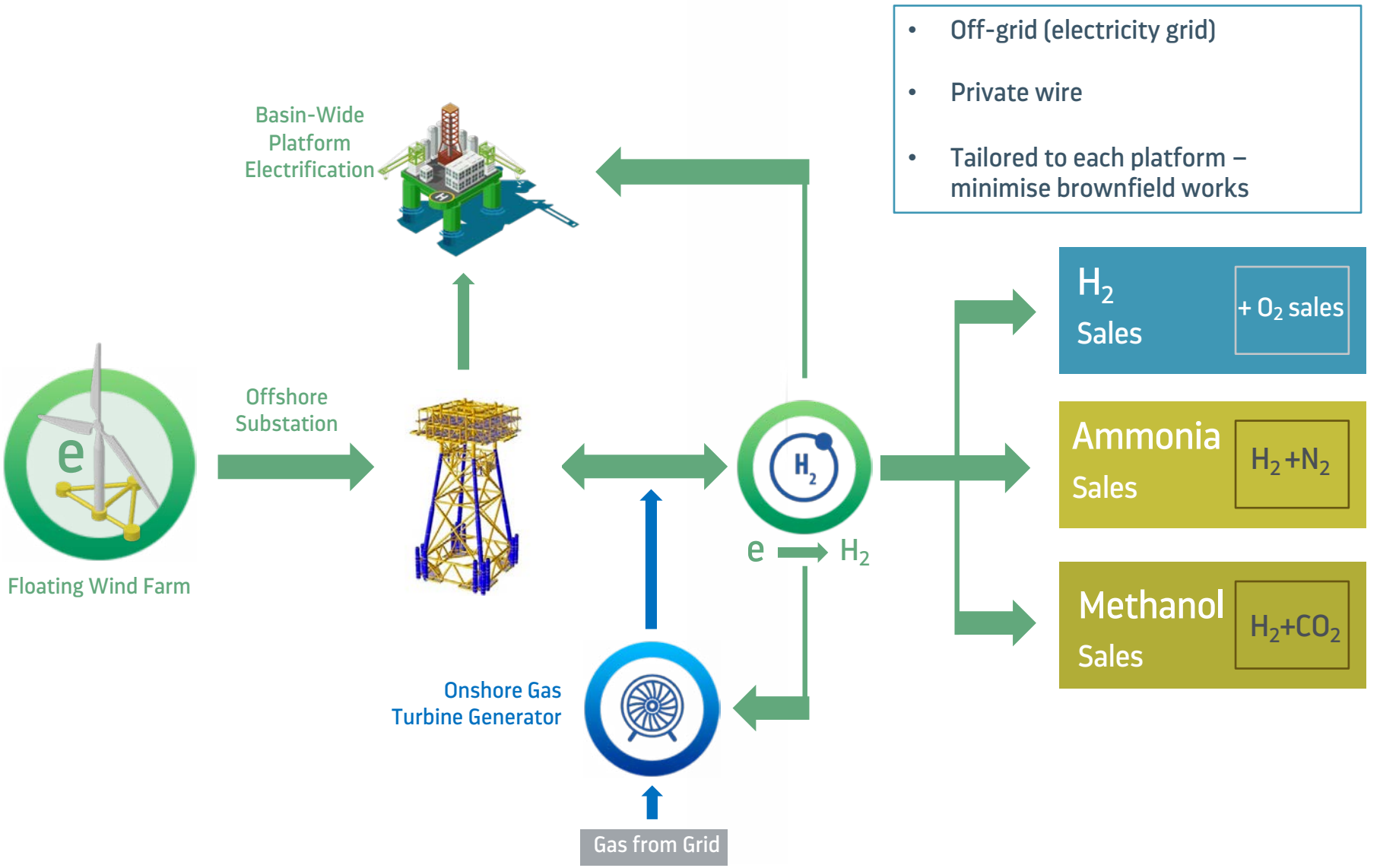
Transmission

Carbon Capture

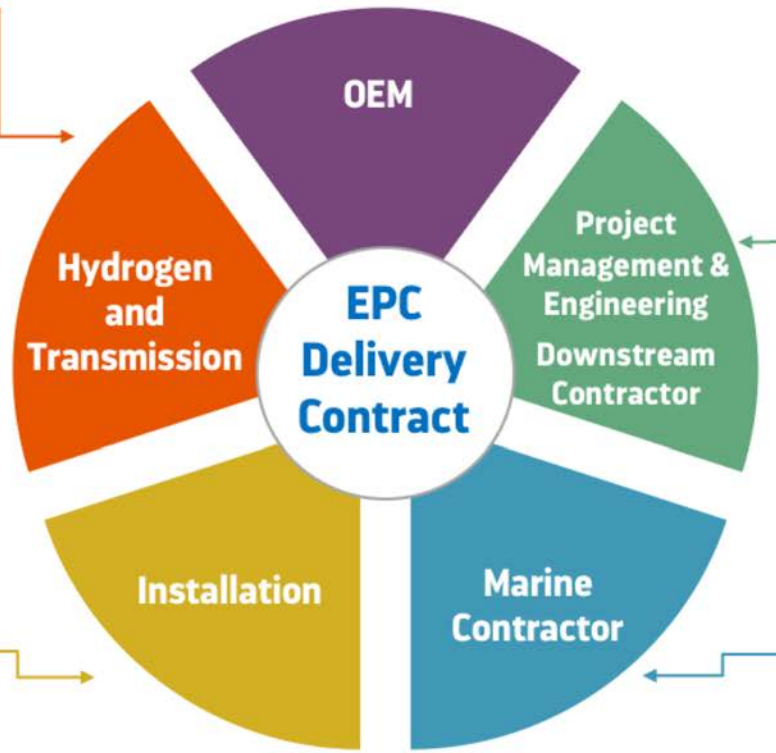


Delivering what the UKCS Energy Transition needs

- Off-grid (electricity grid)
- Private wire
- Tailored to each platform – minimise brownfield works



Exclusive Contractor Consortium



Wind Turbine OEM

Technology train: Turbines & masts Technology upgrades

Green Hydrogen

Plant EPC PEM O&M

Grid Design, substation supply and install

Project Management & Engineering

System-level definition & interface management

Downstream EPC

Ammonia & E-Methanol

Onshore Operator

Onshore Site Partner and gas transmission

Subsea / Install

Supply & Installation: moorings, cables, Surveys.

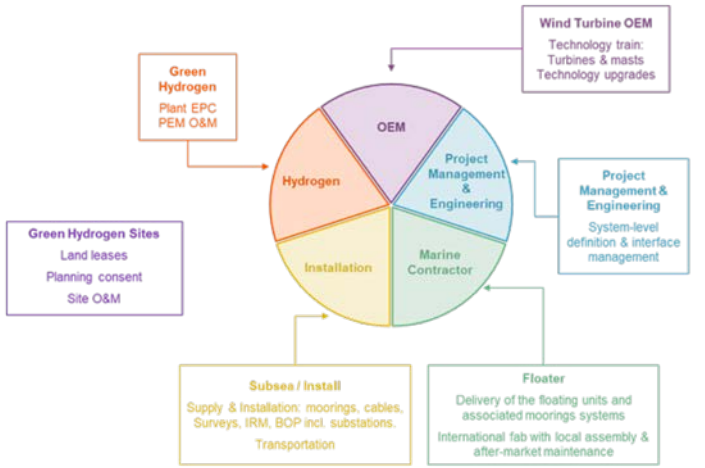
Floater

Delivery of the floating units and associated moorings systems

International fab with local assembly & after-market maintenance

Project Readiness & Local Supply Chain

Delivery Certainty



Supply Chain Engagement

Market Finance

SOCIETE GENERALE

PIPER | SANDLER

Local Content Example – Assembly Works

Thank you

CERULEAN WINDS

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Green Energy for Industrial Decarbonisation