



Oil & Gas
Authority

IP Week

North Sea Net Zero Basin

Andy Samuel

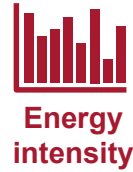
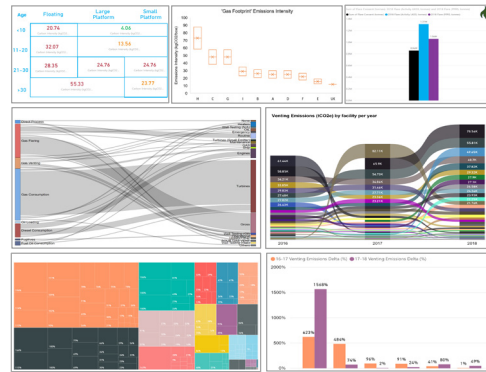
February 2020

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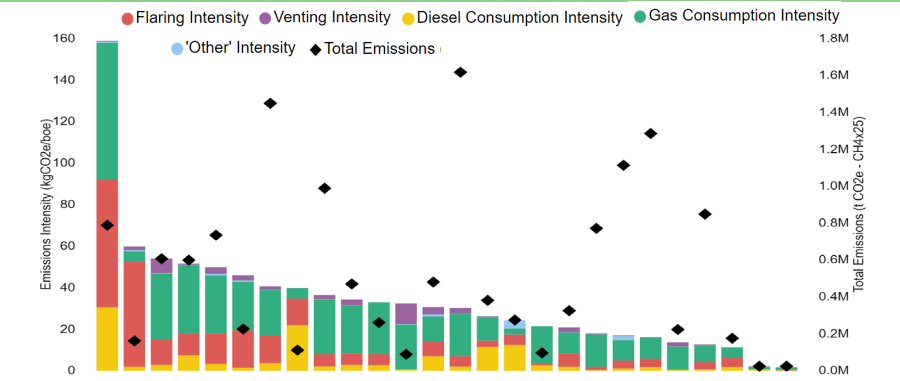
Rigorous analysis



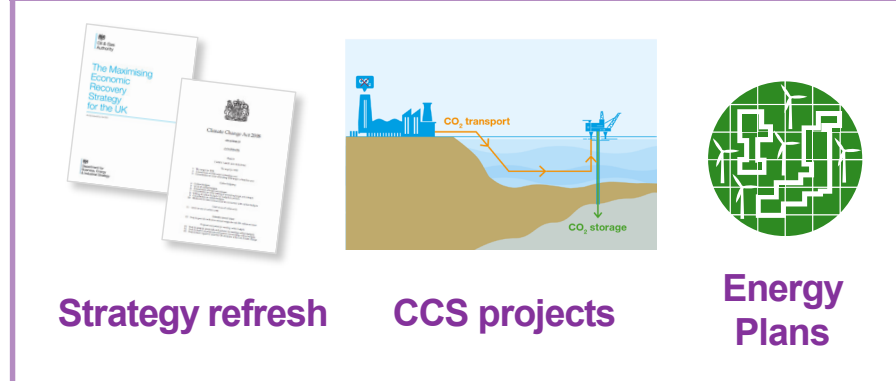
Engagement: Net zero 'deep dives'



Benchmarking



Stewardship



Energy Integration

UKCS Energy Integration project

Led by



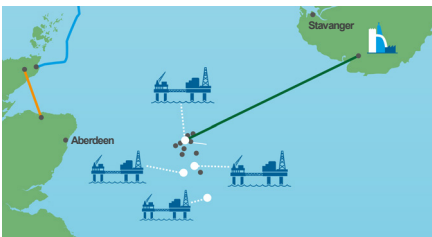
In collaboration with



Platform electrification



West of Shetlands



Central North Sea

Working with industry to progress before COP26



Nature based solutions



Native woodlands

Restoring open cast mines

Restoring degraded peatland

Carbon Capture Storage



78 GtCO₂

total CO₂ storage estimate

75-175 MtCO₂

CCC annual requirement 2050

6 to 15

large scale CCS projects in 2050

Hydrogen



Storage, heat & transport

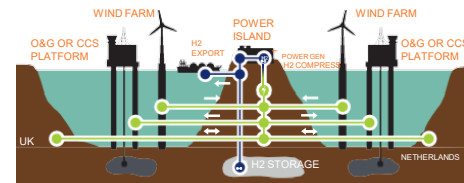


Skills & infrastructure, significant re-use potential



Engaging with projects early stage

Energy hubs



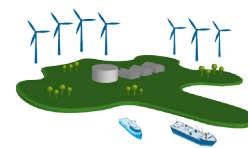
Co-locate renewables, storage & transportation



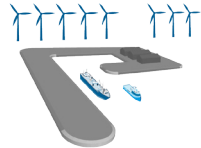
Economies of scale



Low-carbon industrial clusters



Natural islands



Artificial islands



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Thank you
