

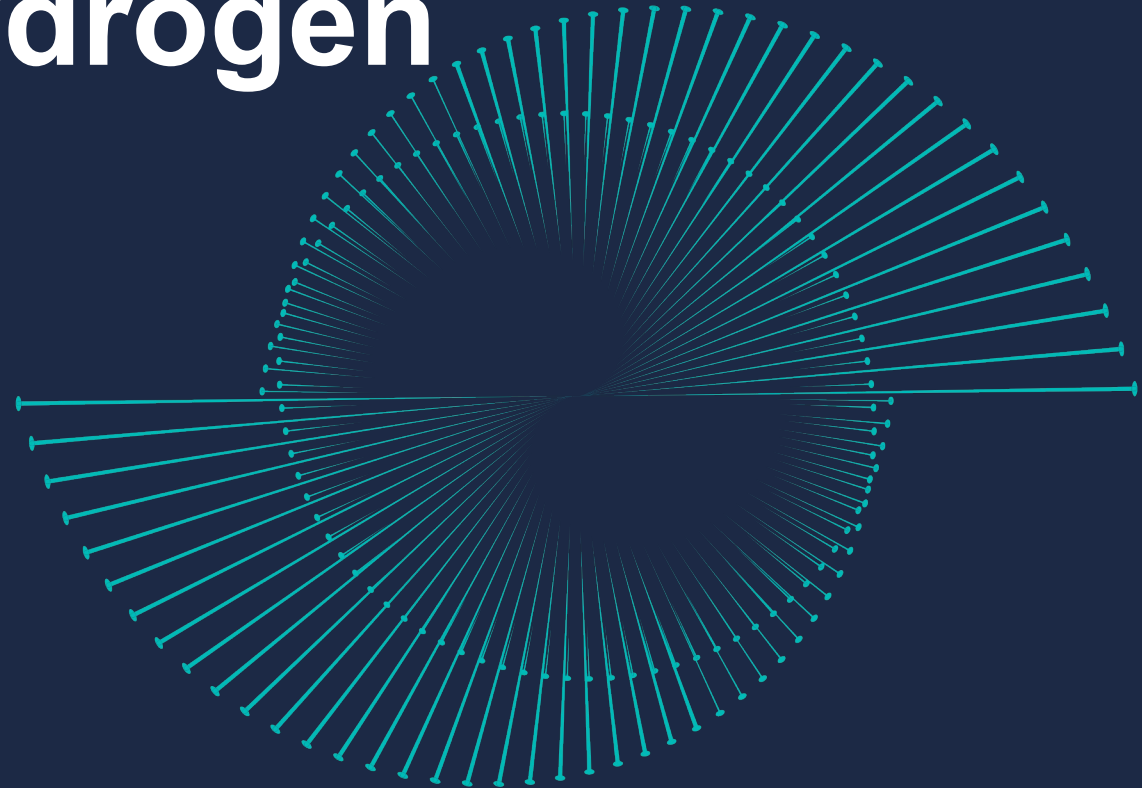


VERTEXHYDROGEN

Leading the UK's hydrogen production

2023

vertexhydrogen.com



Our Vision

Low carbon hydrogen will play a significant role in the UK energy market

Initially for industrial customers

Our Mission

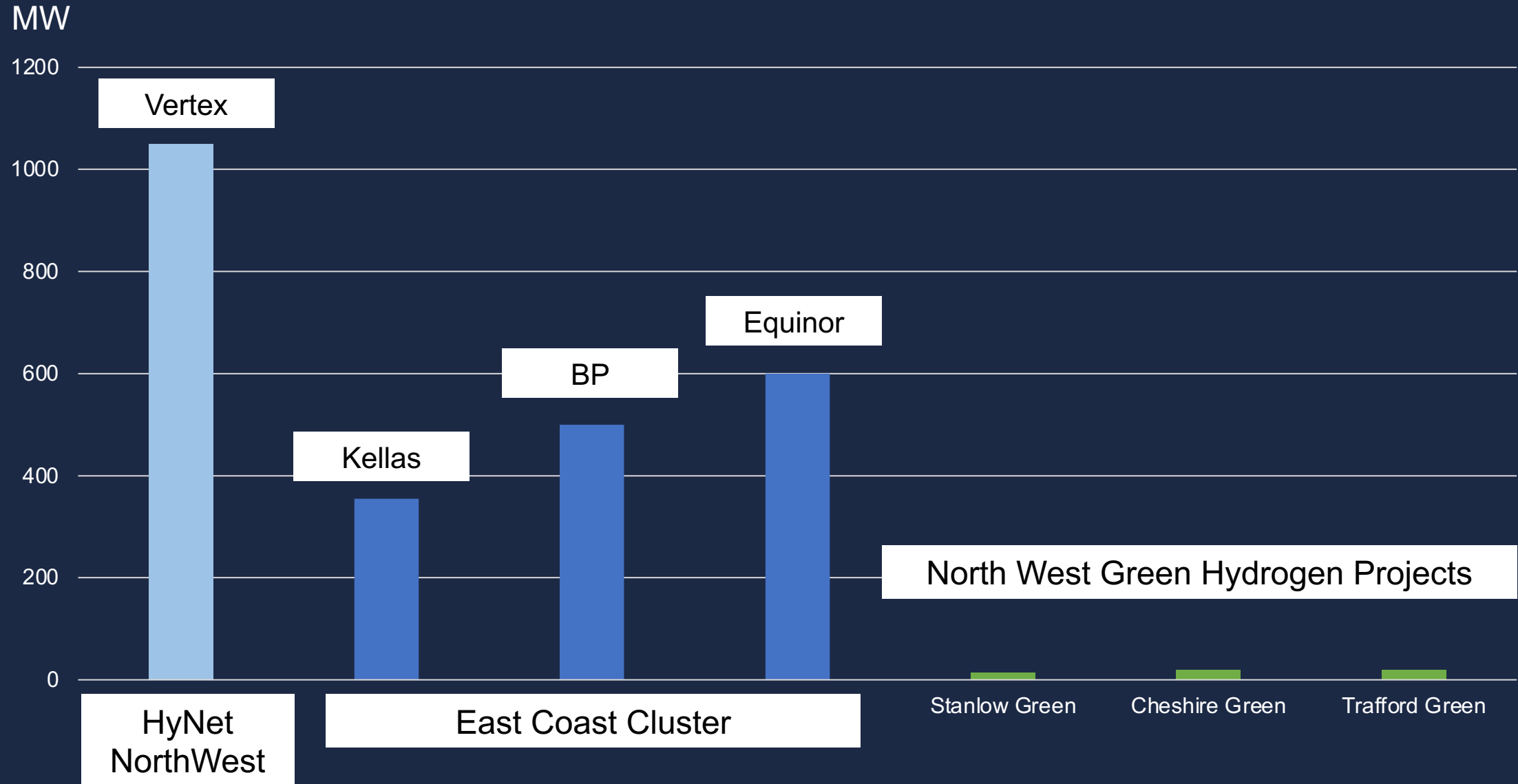
To be the leading low carbon hydrogen producer in the UK



The ten point plan for a green industrial revolution

Point 2: Driving the growth of low carbon hydrogen

Vertex: hydrogen at scale and speed



Ambition to deliver 40% of UK's H₂ target

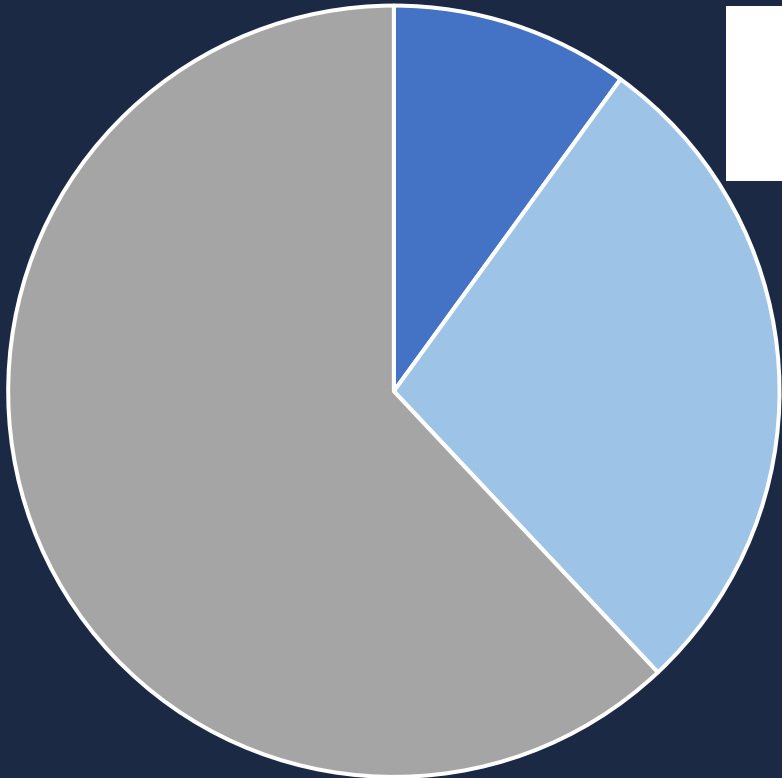


UK Government target

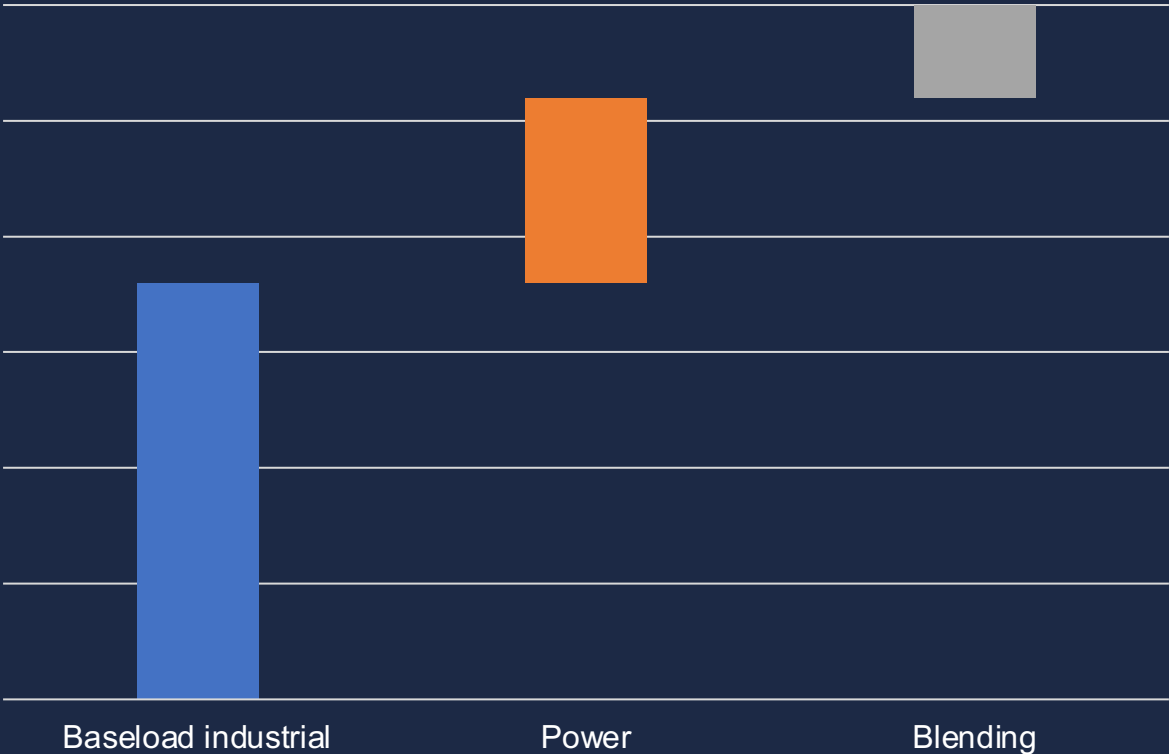
10GW by 2030

3.8GW demand estimate

c 45% current regional gas distribution



Vertex
2030
3.8GW



340,000 manufacturing jobs in the region



Encirc and Diageo announce hydrogen powered furnace



ENCIRC



Diageo



Consumers



200 million net zero bottles a year

Near term impact



1.8 mtpa

Carbon captured
(@97%)

1 GW

Low carbon hydrogen
production



£1bn investment + £1bn hydrogen infrastructure

“Vision without execution is hallucination”



2 plants

350MW + 700MW



+ Project selection

+ Business model

+ Standards

=> Signed CfD

2023 / 2024

Project start date

2026 / 2027

First production

Associated infra.



Project & technical



Financial & legal



On track to be the first major low carbon hydrogen producer

Tech providers



Land, O&M



Utilities





Thank you