

Green Hydrogen and the Humber

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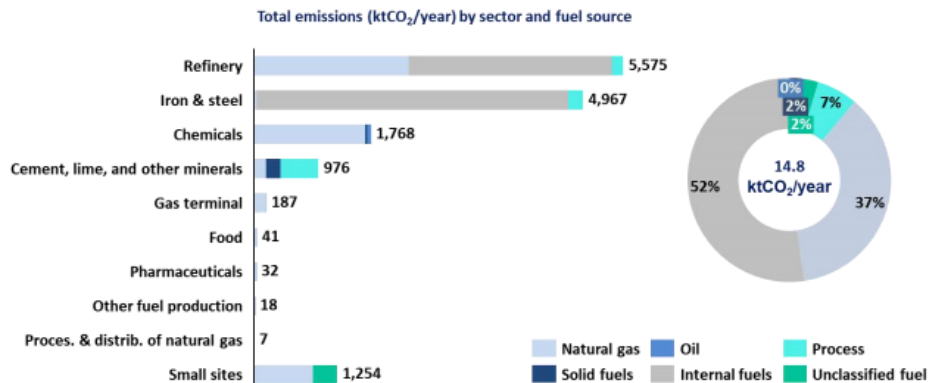
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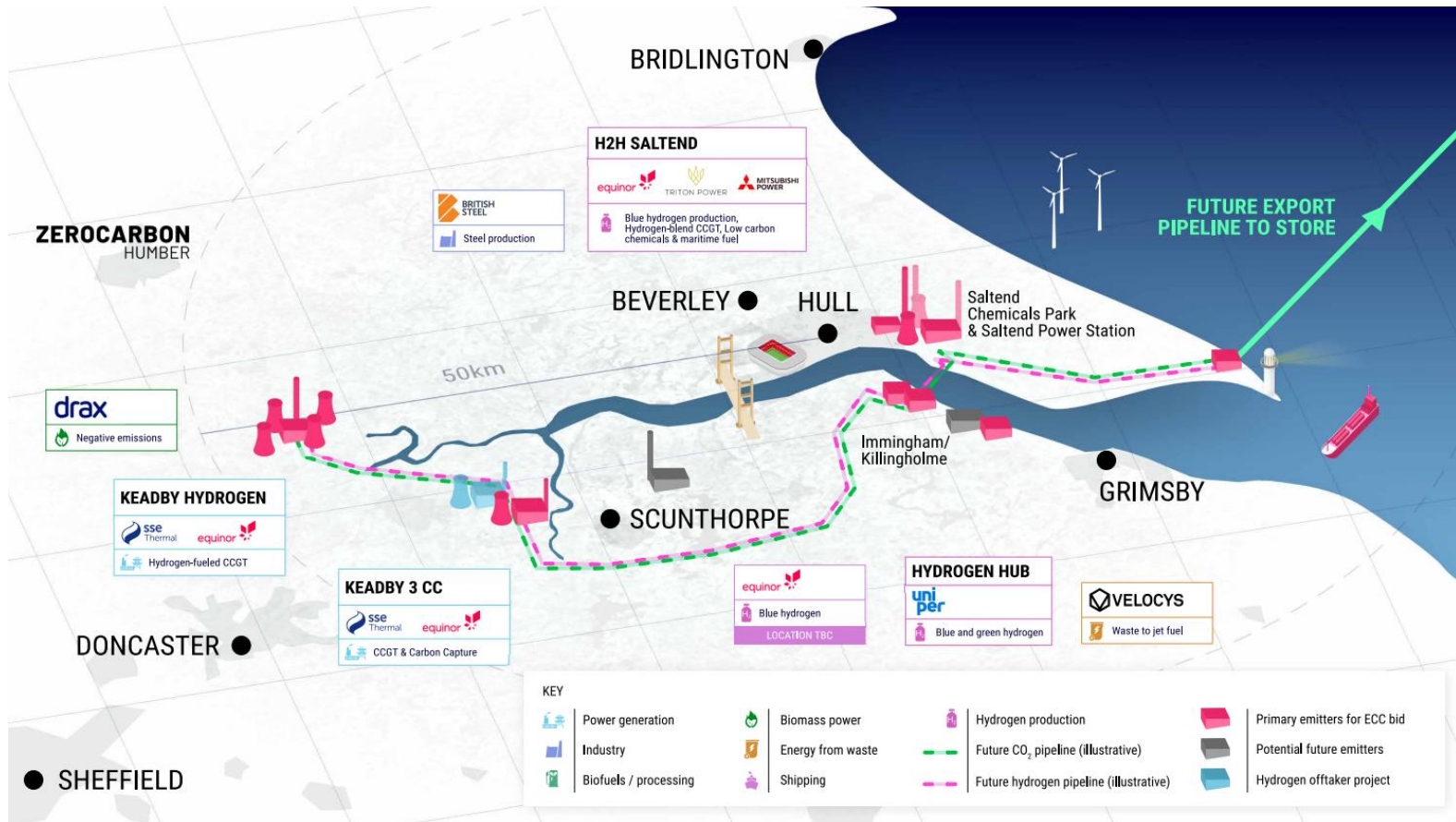
Decarbonisation Challenge in the Humber Region

THE UK'S LARGEST CLUSTERS BY INDUSTRIAL EMISSIONS ONLY

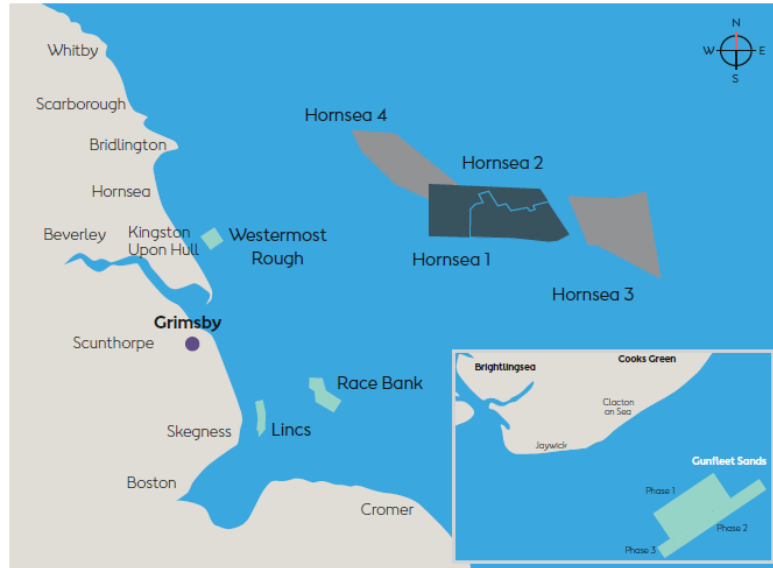
KEY
MtCO₂ = million tonnes
of carbon dioxide (CO₂)
emissions per year



- Industry across the Humber Estuary emits 12.4MtCO₂ per annum, or 13.9 tonnes per Humber resident – over twice the national average.
- Energy intensive industries, which are also directly and indirectly large emitters of CO₂, account for 23% of the value of the Humber economy and around one in ten jobs.
- The region is vulnerable to the associated climate impacts of greenhouse gas emissions, with the second highest flood risk in the country after the Thames Estuary.



Offshore Wind Opportunities



	Operational	In construction	In development
Name	Installed Capacity (MW)	No. of Turbines	Approx. No. of Homes
Westermost Rough	210	35	150,000
Lincs	270	75	240,000
Race Bank	573	91	400,000
Gunfleet Sands	170	50	150,000
Hornsea 1	1218	174	↑1 million
Hornsea 2	1386	165	↑ 1.3 million
Hornsea 3	2400	Up to 231	↑ 2 million
Hornsea 4	?	?	Development
Race Bank Extension	?	?	Early Stage Development
	6227	up to 771	



GIGASTACK



Let's create a world
that runs entirely on
green energy

