

Hyline Cymru and decarbonising industry



Wales & West Utilities Introduction



We are the Gas Distribution Network owner and System Operator for Wales & south west England

We have 20 biomethane plants and 54 power stations connected

We have 1.75 TWh green gas capacity connected to our network

We flexibly deploy 58 GWh of storage each day (UK 210 TWh seasonally)

From 2021-2026, we will invest £400m towards making our network net zero ready

Decarbonising industry

Clusters & sectors

- Emissions from industry are falling over time – but slowly compared to Government ambition
- CCC reported “little evidence” that the change required to meet carbon budgets is underway

c) Industry emissions (MtCO₂e)

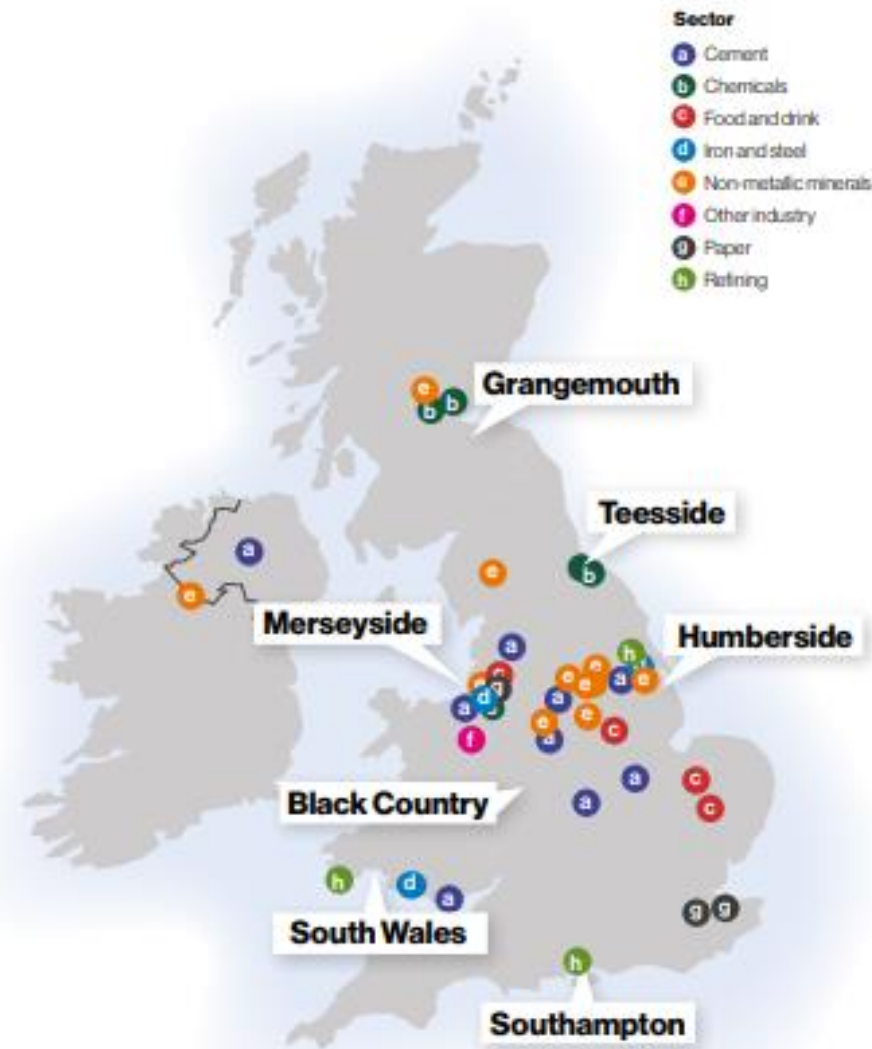
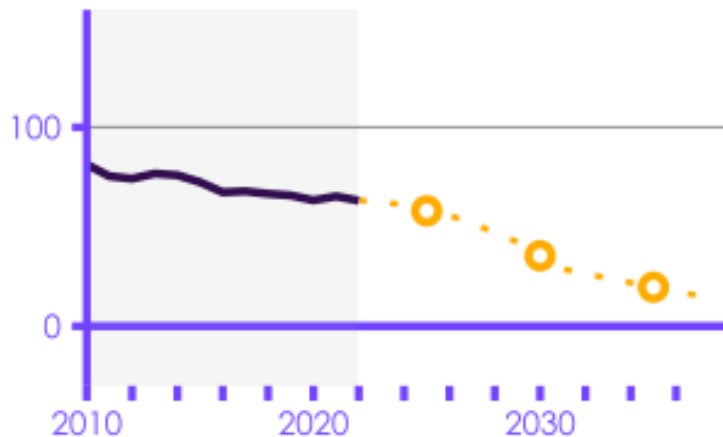
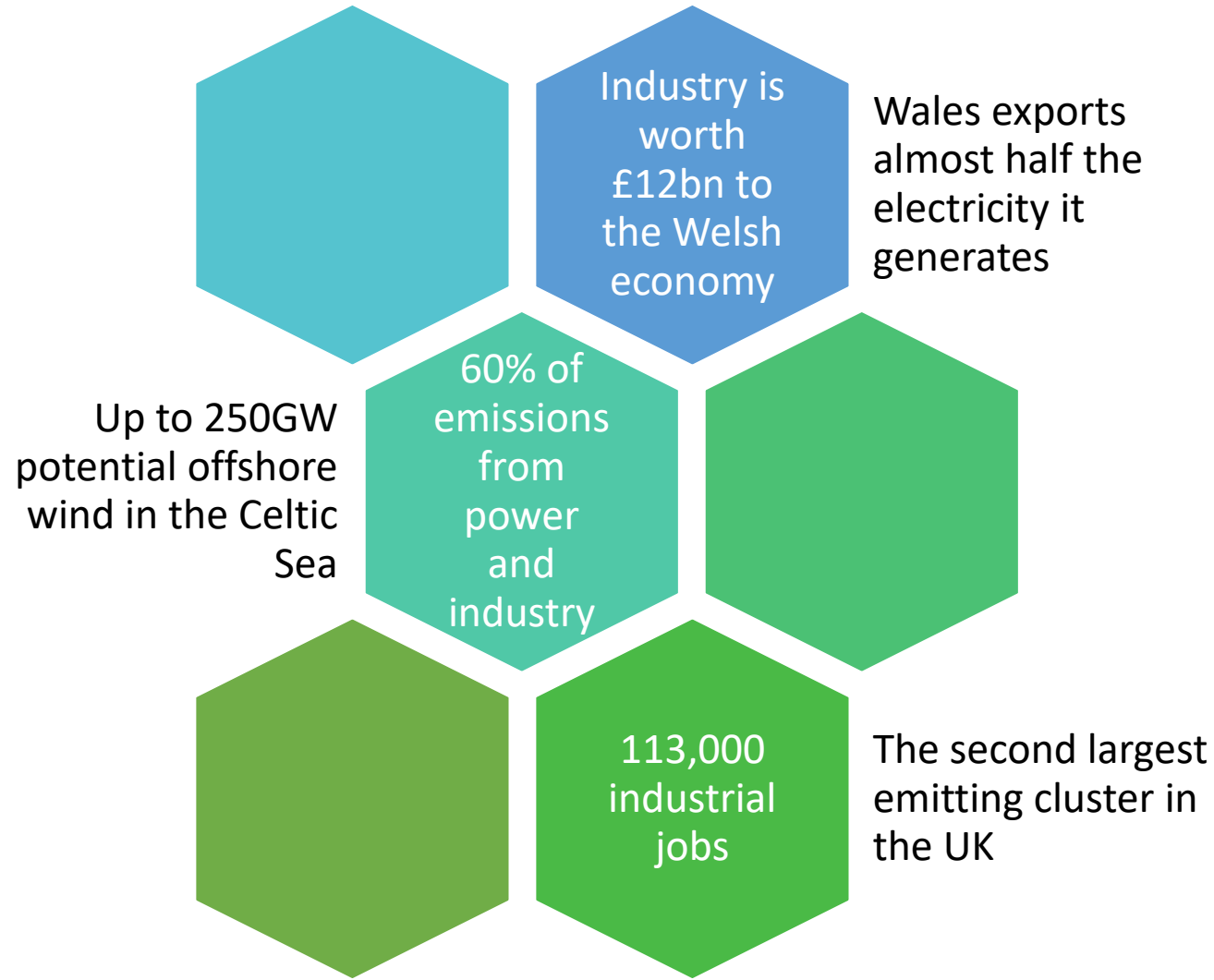


Figure 8.2: Map of industrial sites across the UK with emissions greater than 0.1 MtCO₂e (BEIS, 2020), key industrial clusters of sites of any size are highlighted.

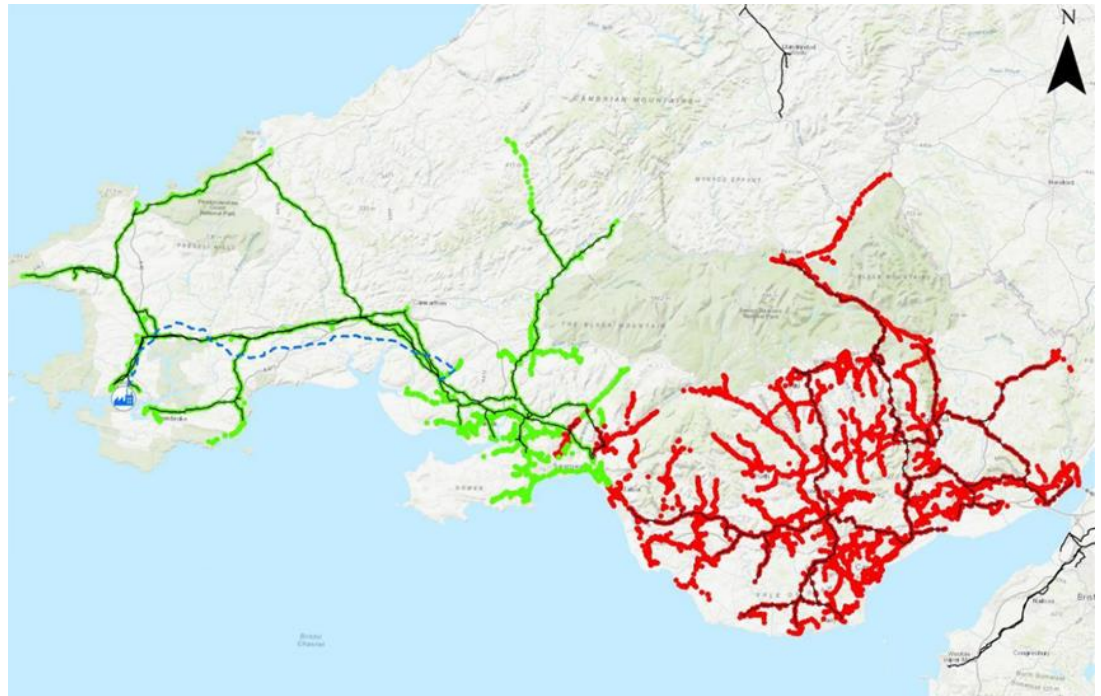
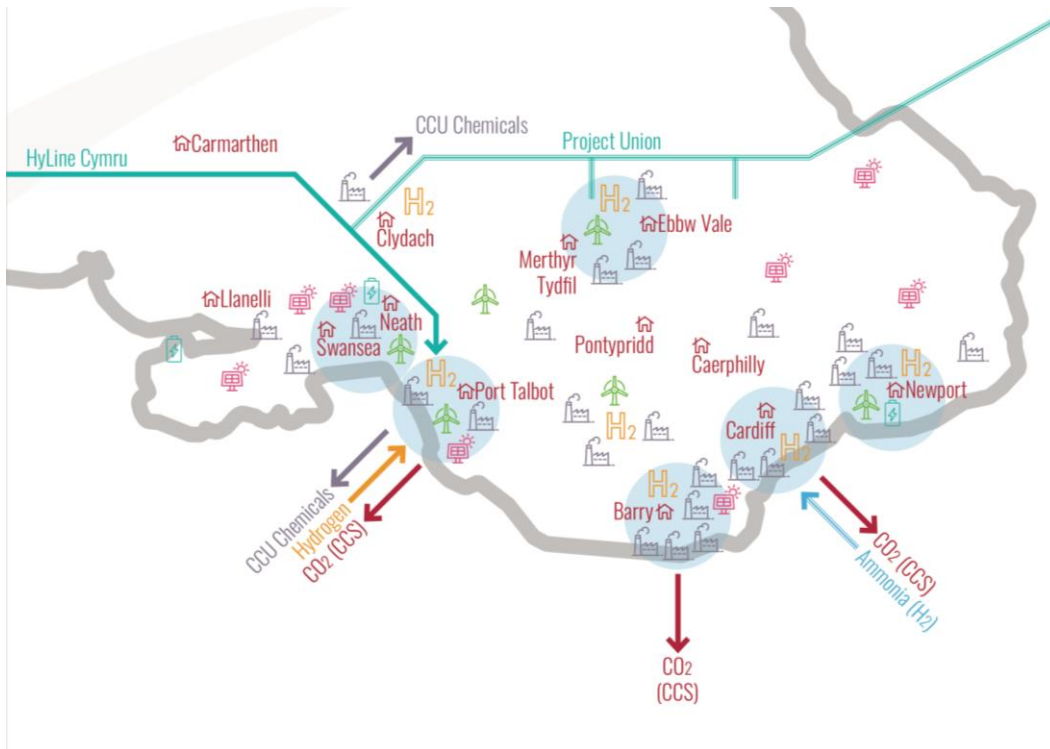
Energy and Industry in Wales

Energy is at the heart of Wales' past, present and future



South Wales Industrial Cluster

How we've developed a Regional Decarbonisation Pathway



Sources: South Wales Industrial Cluster Plan; WWU Regional Decarbonisation Pathways

HyLine Cymru

St. Brides Bay

Haverfordwest

Milford Haven

Pembroke Dock

H2

Tenby

Carmarthen Bay

Carmarthen

Llanelli

Neath

Swansea

Port Talbot

Swansea Bay

KEY

HyLine Cymru (Phase 1)

EXISTING INFRASTRUCTURE

National Transmission System (NTS) Feeder 2

National Transmission System (NTS) Feeder 28

Local Transmission System (LTS)

LTS (with Hydrogen blend from Hyline)



Liquefied Natural Gas (LNG) import terminal



National Transmission System (NTS) offtake



Industrial gas users



Offshore hydrogen production



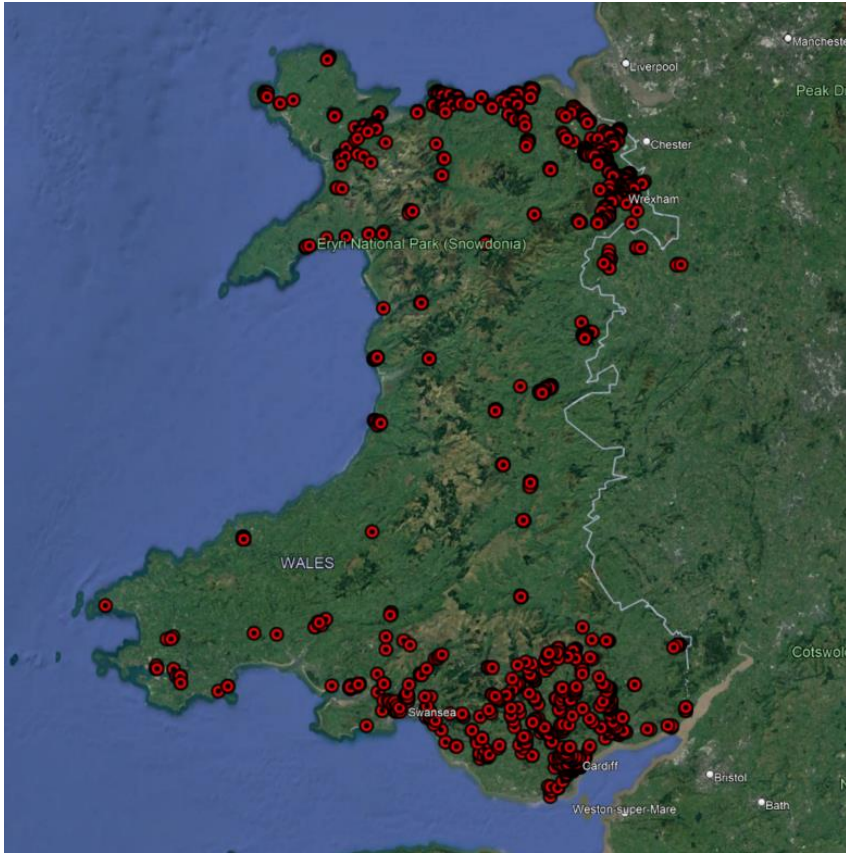
Onshore hydrogen production



WALES & WEST
UTILITIES

Building from an industrial base

Infrastructure for the cluster unlocks opportunity for others



- 2,700 industrial connections across our Welsh networks – 1,900 in South Wales
- Potential for Wales to produce more hydrogen than it consumes, for export to South West & West Midlands
- Hydrogen infrastructure will support long duration storage for electricity generation and utilisation of renewables

Keep in touch

Visit our stand to hear more about Hyline Cymru and our other projects

Contact us with other ideas –
innovation@wwutilities.co.uk

Register for our [mailing list](#) to hear about calls for ideas, receive our annual reports, news and updates

Use routes into all networks such as ENA's
[Smarter Networks Portal](#)



