



# Scotland's Net Zero Roadmap

Net Zero Scotland by 2045  
UKRI Project Number 75206



# A Net Zero Scotland



*The obvious location for industrial decarbonisation*

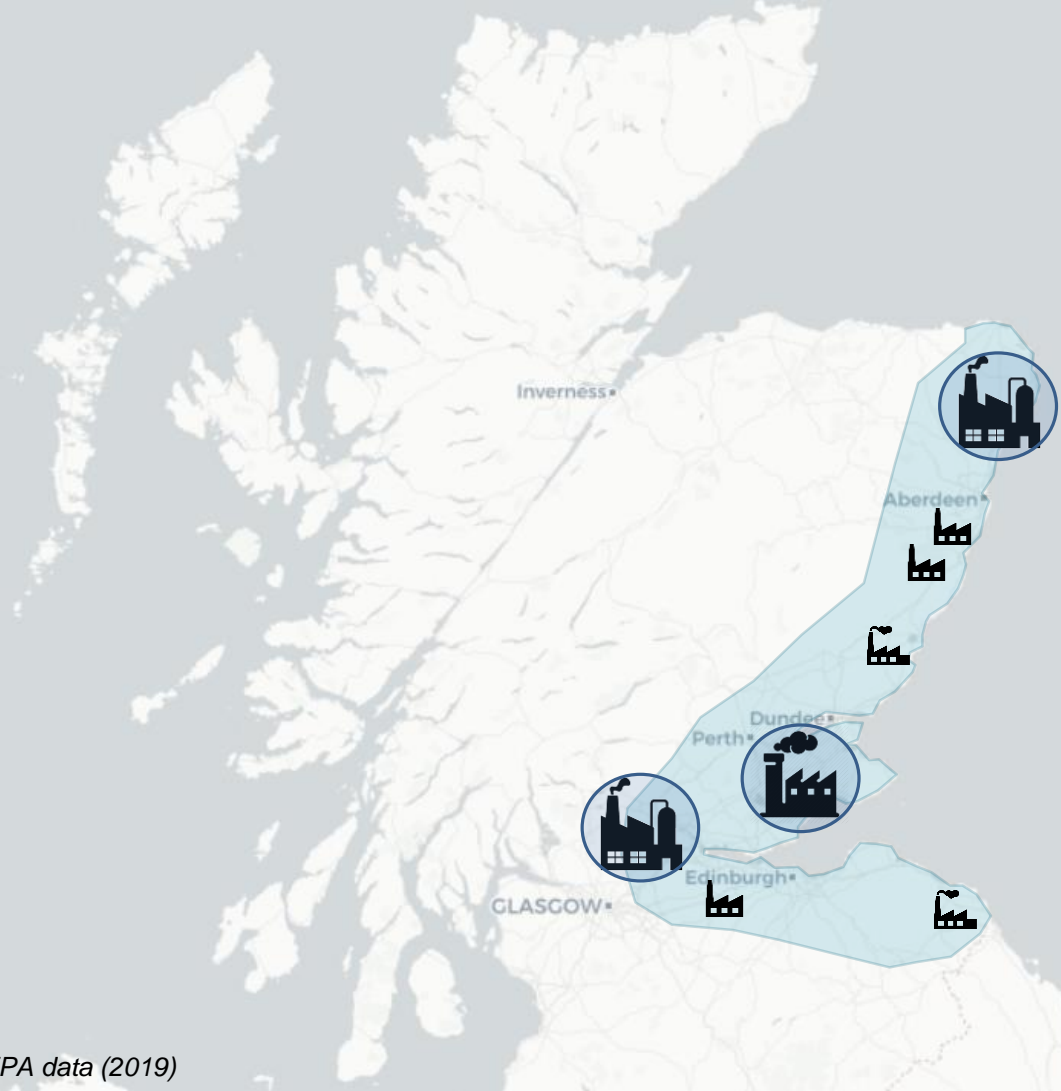
Scottish Net Zero Target - 2045

Total Scotland Emissions 41 Mt CO<sub>2</sub>e p.a. (2019)

- 2030 Targets\* - 75% emissions reductions
- 5GW of Hydrogen production
  - CCUS scale-up towards 10 Mt CO<sub>2</sub> p.a. UK ambition
  - 1 Mill zero emission homes

- Industrial Impact\*
- Employs 300,000 people
  - £26 Bn to the economy p.a.
  - Nearly 30% of all emissions

# Scotland's Net Zero Roadmap



## *The obvious location for industrial decarbonisation*

Cluster Plan - Emission base of ~9 Mt CO<sub>2</sub> pa  
(Equals ~80% of Scottish industrial emissions)

3 subclusters (7.3 Mt CO<sub>2</sub> pa) along East Coast

Multi-industry: *Energy, Chemicals, Paper & Board, Cement, Beverage, Waste, Glass*

Deliver practical, investable pathways for industry

Develop a Net Zero energy system model building on natural Scottish strengths

# Scotland's Net Zero Strengths

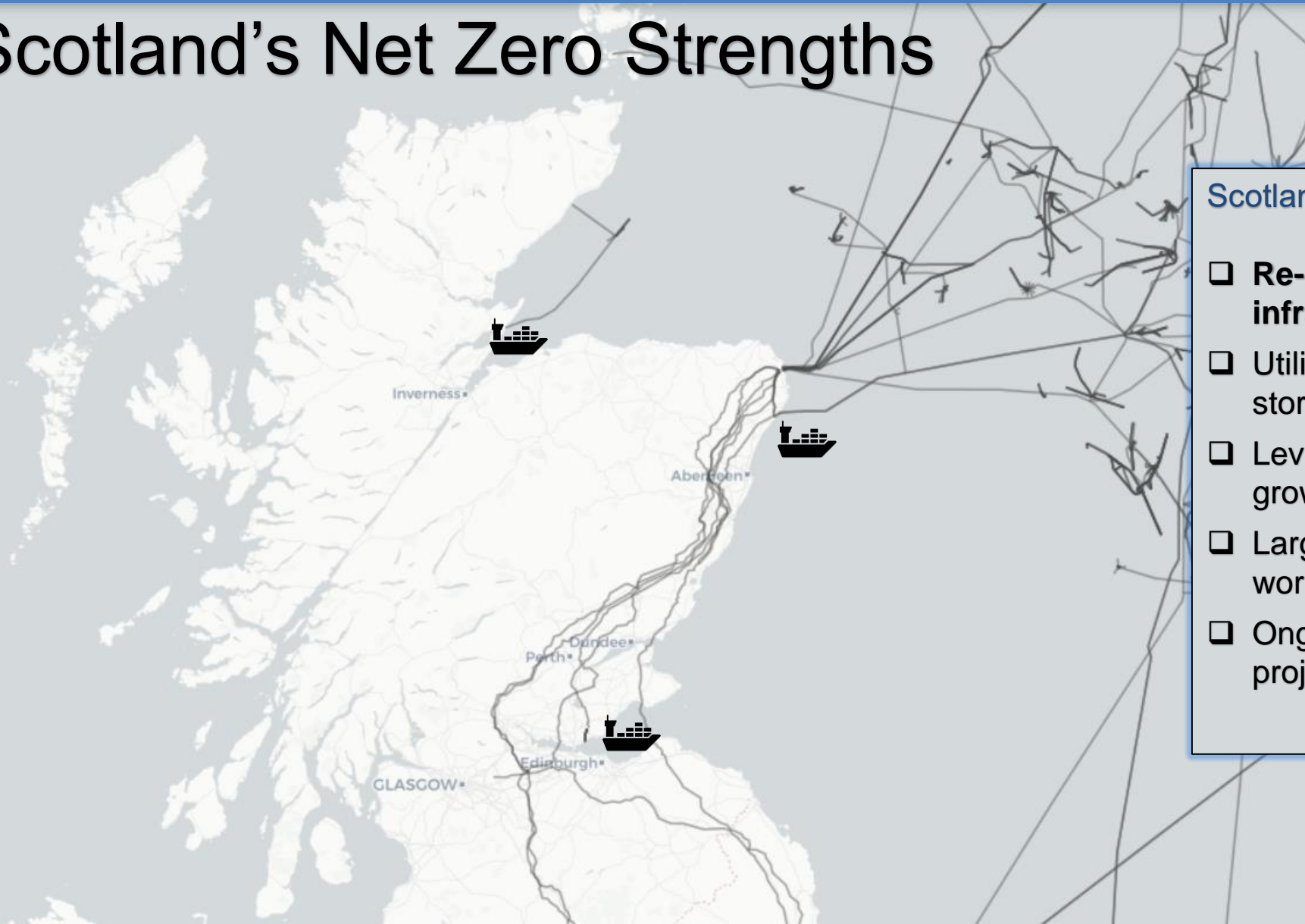


## Scotland's natural strengths:

- ☐ Re-use existing infrastructure
- ☐ Utilise largest CO2 storage potential
- ☐ Leverage renewables growth
- ☐ Large, Highly skilled workforce
- ☐ Ongoing decarbonising projects



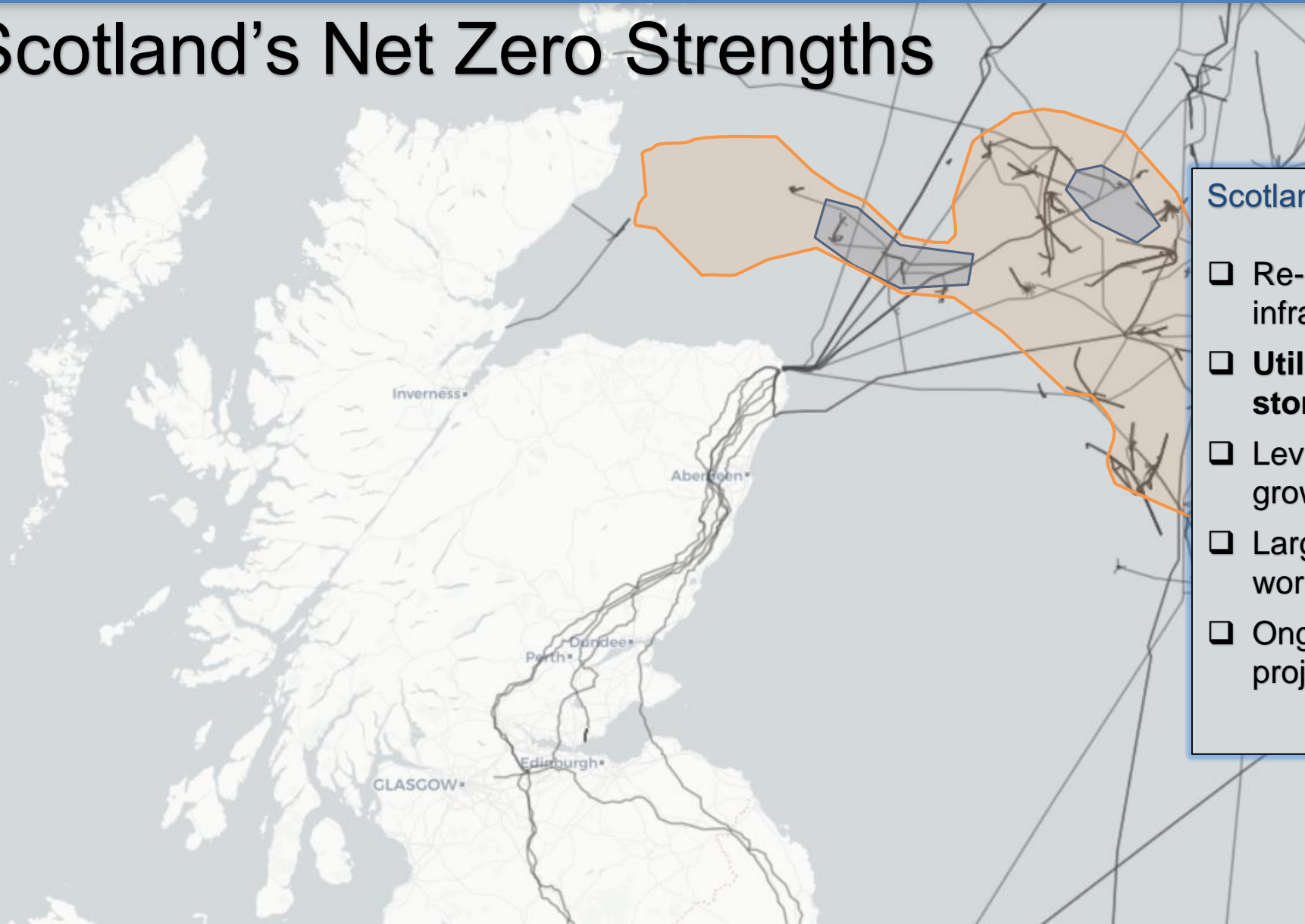
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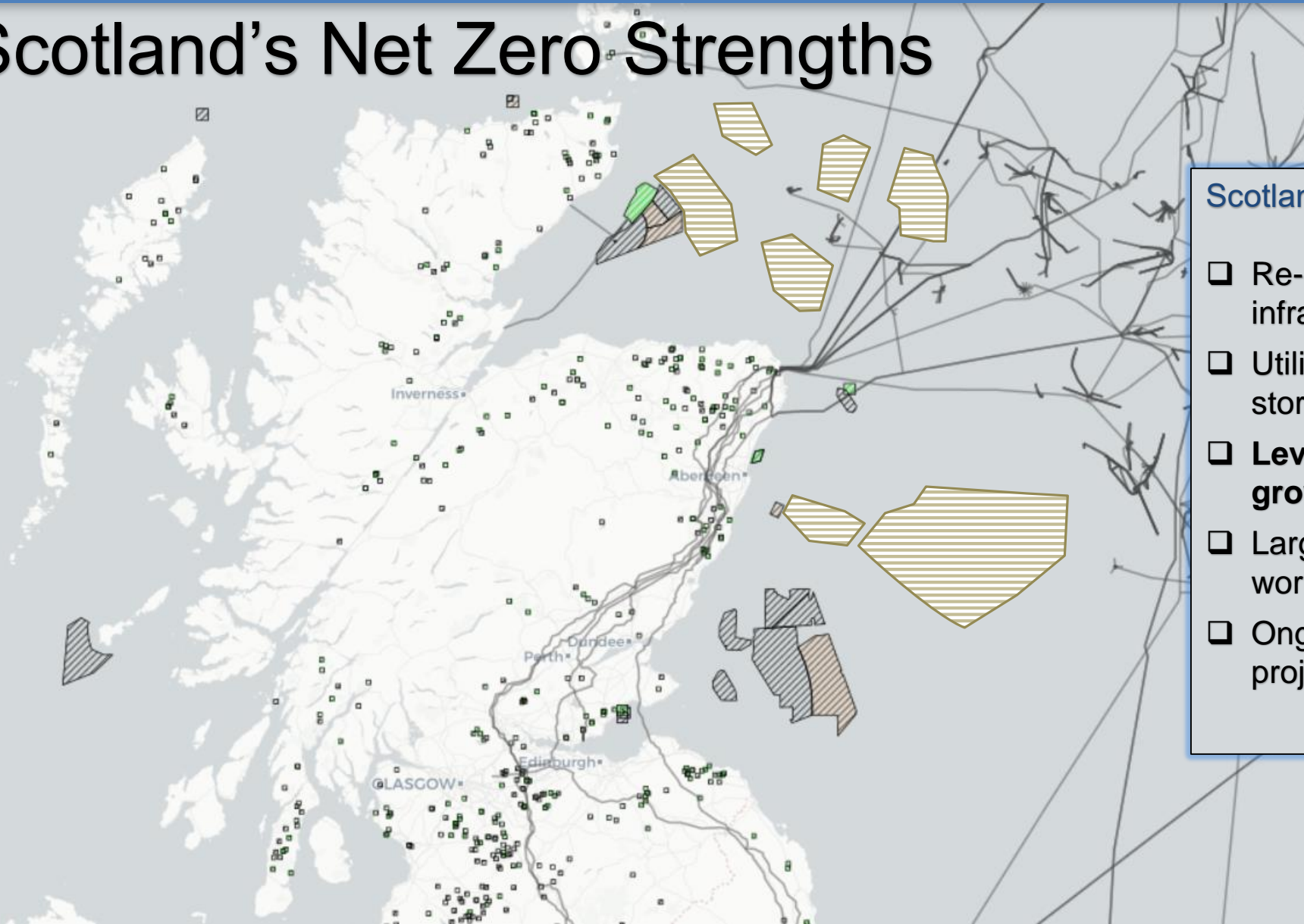
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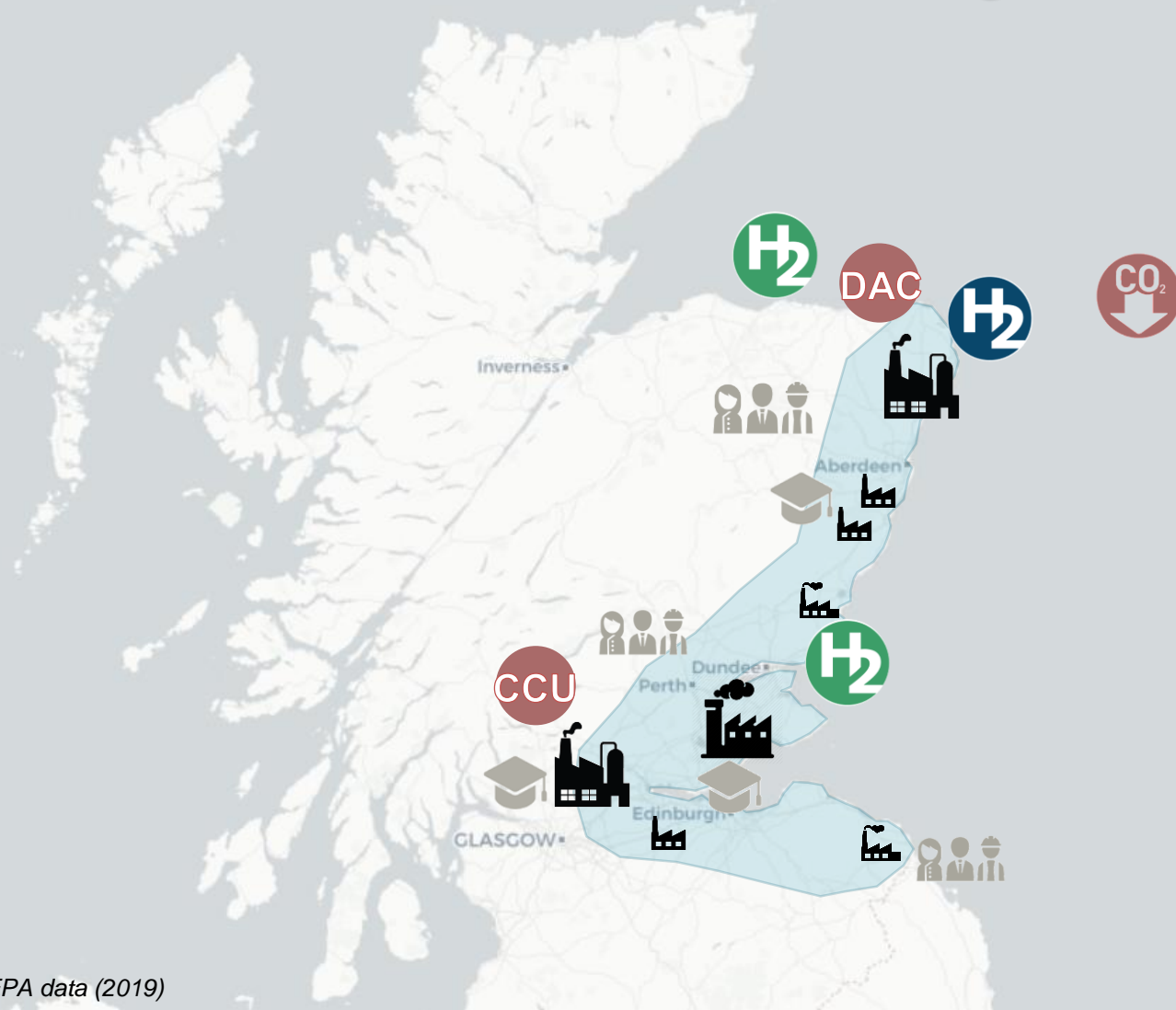
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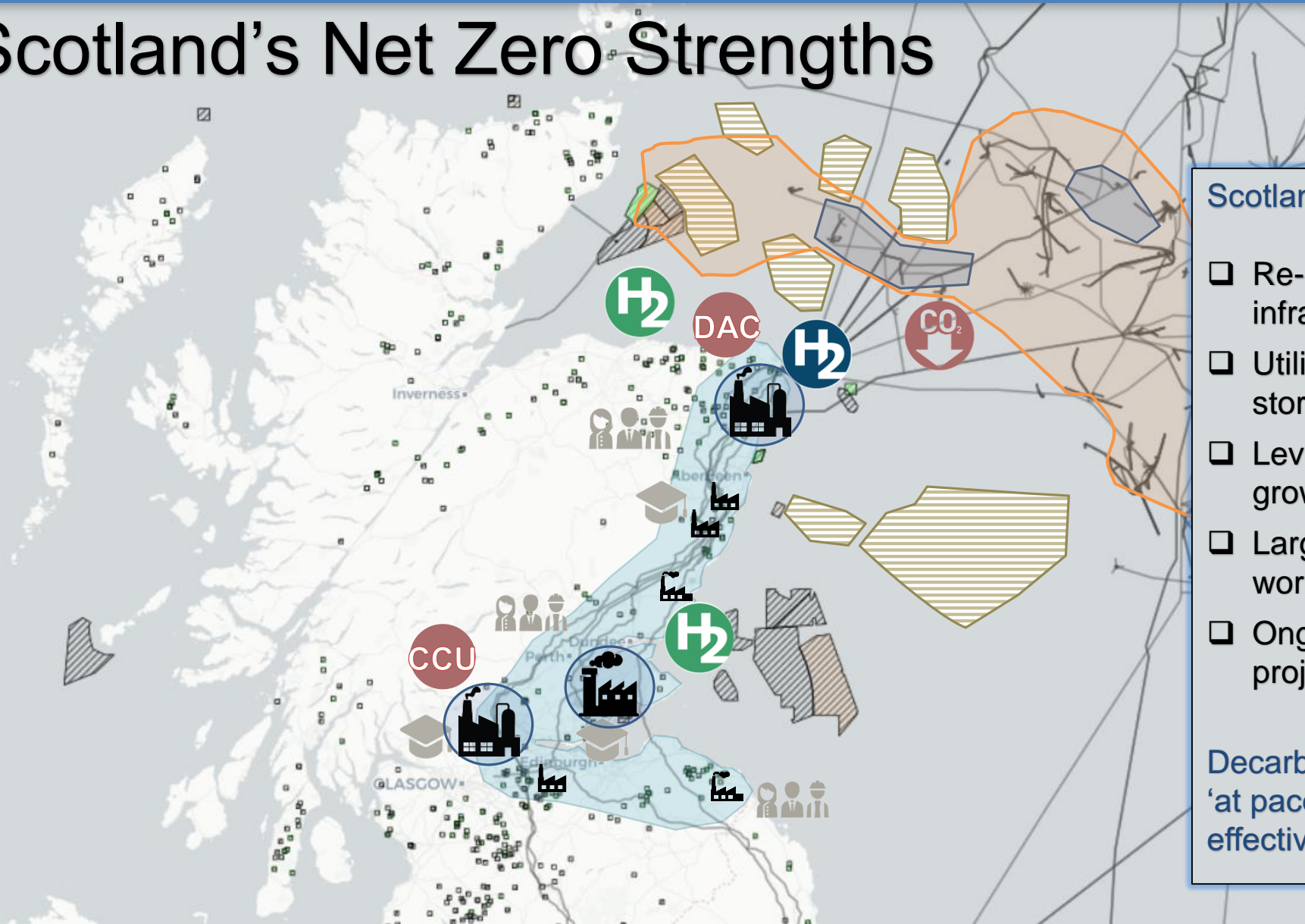


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Decarbonisation that is –  
'at pace, scalable, cost  
effective & supports jobs'