

# Development of CCS in Europe

Hiilensidonta, May 2021

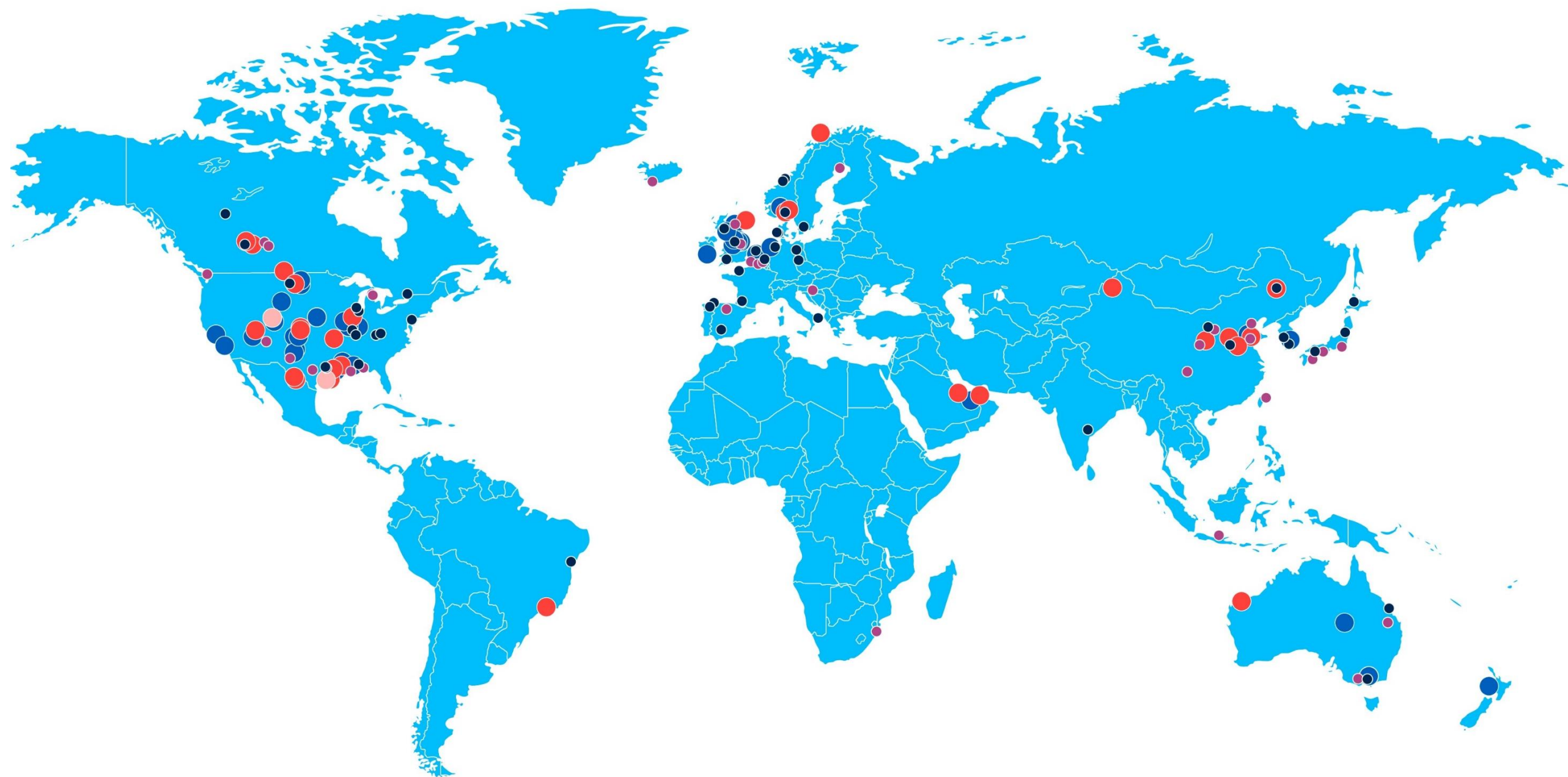
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# CCS FACILITIES: OPERATIONAL & VARIOUS STAGES OF DEVELOPMENT



- COMMERCIAL CCS FACILITIES IN OPERATION & CONSTRUCTION
- COMMERCIAL CCS FACILITIES IN DEVELOPMENT
- OPERATION SUSPENDED
- PILOT & DEMONSTRATION FACILITIES IN OPERATION & DEVELOPMENT
- PILOT & DEMONSTRATION FACILITIES COMPLETED

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# EU CLIMATE TARGETS

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- The EU aims to reach **climate neutrality by 2050**, seeking to reduce emissions by **55% by 2030**
- CCS will contribute to the 2030 and 2050 climate targets as a set of technologies that delivers **both emission reductions and carbon removal**.



Achieving deep decarbonisation in hard-to-abate industry.



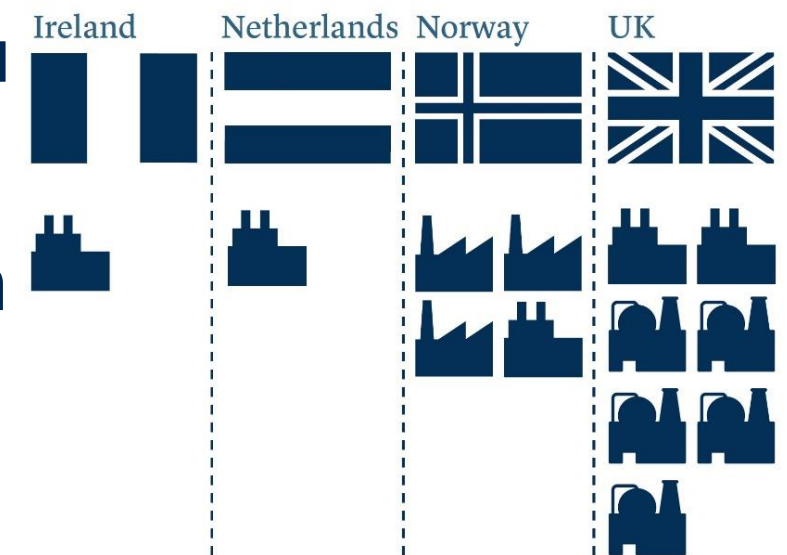
Enabling the production of low-carbon hydrogen at scale.



Delivering negative emissions.

# CCS IN EUROPE

- **13 commercial facilities** in operation or various stages of development across Europe.
- First call for projects under the **EU's €18 billion Innovation fund**; expected to be a major source of funding for CCS across the EU.
- The **United Kingdom** aims to establish 4 hub and clusters by 2030, with **1 billion pounds** allocated to support CCS development.
- The **Norwegian Government** has moved forward with **\$1.8 billion** investment to further CCS development.
- 4 jurisdictions new to CCS: Wales, Denmark, Sweden and Italy.



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# LOOKING FORWARD

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Rapid CCS adoption is needed to tackle industrial decarbonisation and reach 2050 climate targets outlined in the Green Deal.

## **Building back better will require:**

- Increased regulatory measures that support CO<sub>2</sub> transport and CCS infrastructure
- Financial measures to incentivise CCS climate action
- Collaborations among governments, trans-boundary projects and continued knowledge sharing





# THANK YOU

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