



Building the Scottish Cluster

David Holman, Senior Commercial Advisor | CCSA Webinar Series | 28th April 2022

STOREGGA

 Harbour
Energy



 NSMP
NORTH SEA MIDSTREAM PARTNERS

 UK
RI UK Research
and Innovation

 Department for
Business, Energy
& Industrial Strategy



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Connecting Europe Facility
of the European Union
PCI Acorn SAPLING,
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Who is behind Acorn?

Project partners

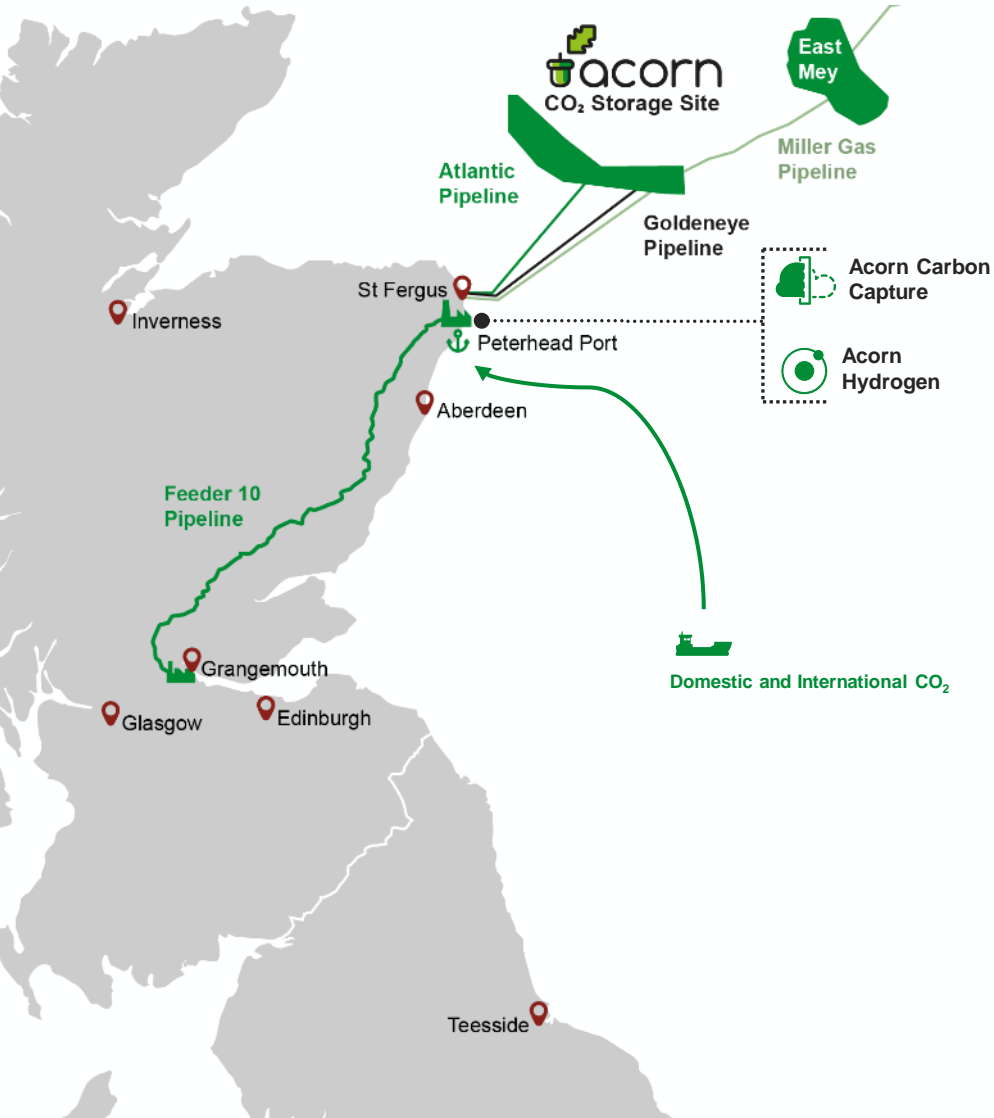


STOREGGA



Government support





Acorn Projects



Carbon Capture

- Starting with existing CO₂ emissions from the St Fergus gas terminal. Initially eliminating between 5-10Mt of CO₂ per year.



Transportation and Storage

- 420km of existing offshore pipeline suitable for CO₂ offshore from St Fergus.
- World-class, independently verified CO₂ store with multiple growth opportunities.



Hydrogen

- Scalable hydrogen production hub at St. Fergus (where 35% of natural gas used in the UK comes onshore)

A catalyst for clean growth



A major hydrogen production and CCS hub at St Fergus.



An economic opportunity for the deep-water port at Peterhead to include CO₂ import facilities.



An international CO₂ storage hub in the Central North Sea, importing CO₂ from Europe and other regions.



Enabling infrastructure to underpin a Net Zero Scottish Industrial Cluster.



Shipping expansion

Importing CO₂ from other parts of the UK (including hard-to-reach emitters), coupled with international shipping, creates major growth potential.

The ability to ship CO₂ also supports the resilience of other UK clusters, creating optionality if their stores face any challenges.

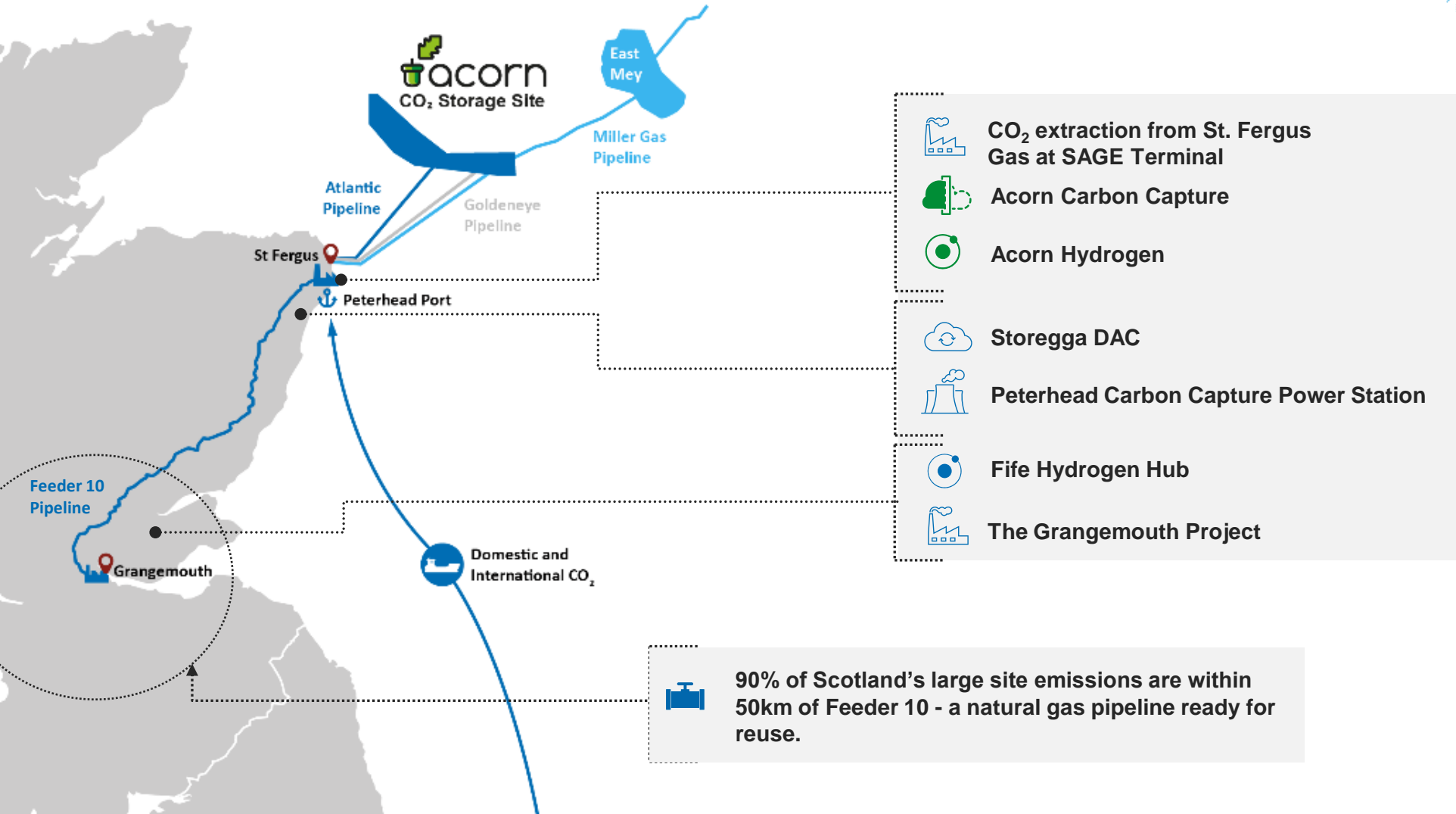


Pipeline and storage expansion

We can expand our Transport & Storage system by extending current pipelines to access additional stores in the area. Overall, the Scottish Cluster is expecting to cumulatively capture and store around 500Mt within 25 years of first CO₂ injection.



Diverse sources of CO₂



90% of Scotland's large site emissions are within 50km of Feeder 10 - a natural gas pipeline ready for reuse.



THE SCOTTISH CLUSTER

Unlocking **30%** of the UK's CO₂ storage resource



Full Cluster roadmap



Access to key infrastructure



9Mt of Scotland's industrial CO₂



Reuse of oil and gas infrastructure to reduce cost and risk.



A key UK and European CO₂ transportation and storage solution



Exciting suite of low carbon projects



World class CO₂ stores



First large-scale Direct Air Capture (DAC) facility in Europe