



RTPI Scotland
Royal Town Planning Institute

Industrial Green Transition Zones

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Liveable places

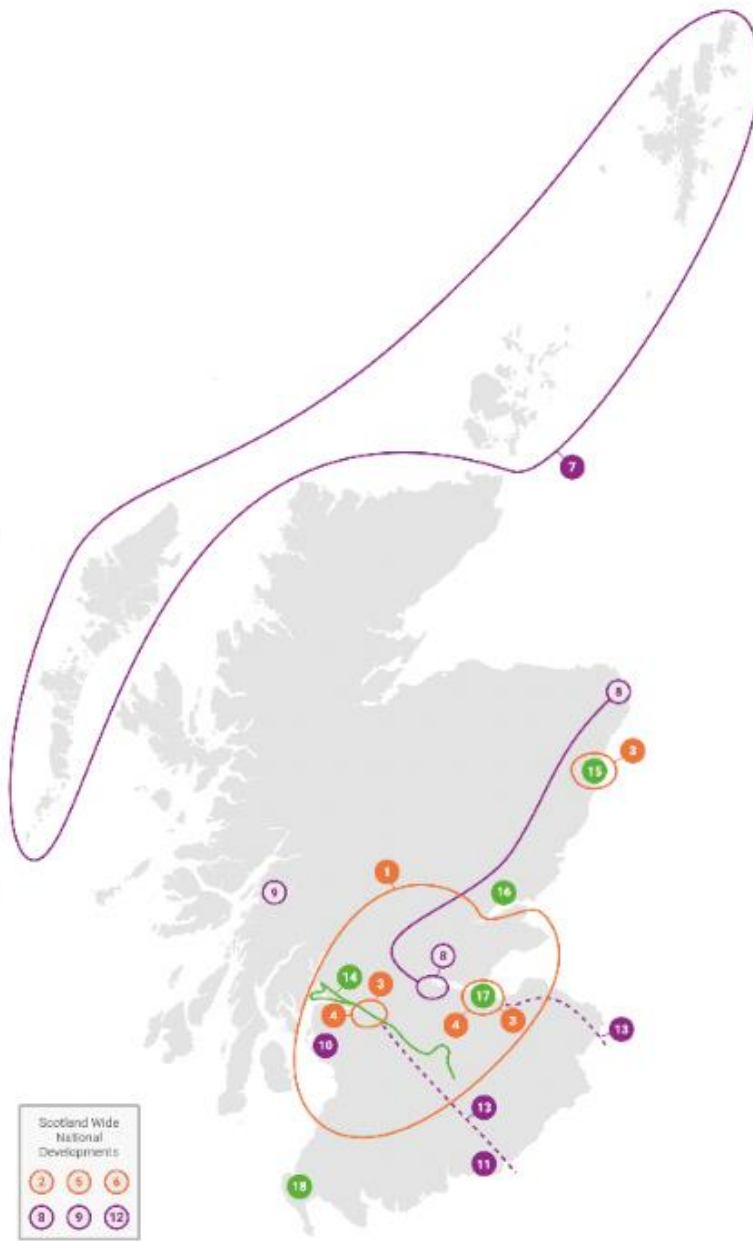
- 1 Central Scotland Green Network
- 2 National Walking, Cycling and Wheeling Network
- 3 Urban Mass / Rapid Transit Networks
Aberdeen, Edinburgh and Glasgow
- 4 Urban Sustainable, Blue and Green Drainage Solutions
Edinburgh and Glasgow
- 5 Circular Economy Material Management Facilities
- 6 Digital Fibre Network

Productive places

- 7 Islands Hub for Net Zero
- 8 Industrial Green Transition Zones
- 9 Pumped Hydro Storage
- 10 Hunterston Strategic Asset
- 11 Chapelcross Power Station Redevelopment
- 12 Strategic Renewable Electricity Generation and Transmission Infrastructure
- 13 High Speed Rail

Distinctive places

- 14 Clyde Mission
- 15 Aberdeen Harbour
- 16 Dundee Waterfront
- 17 Edinburgh Waterfront
- 18 Stranraer Gateway



Industrial Green Transition Zone- Vision

“To secure a just transition to a net zero economy, the decarbonisation of nationally important industrial sites in a way that ensures continued jobs, investment and prosperity for these areas and the communities that depend on them is essential.”



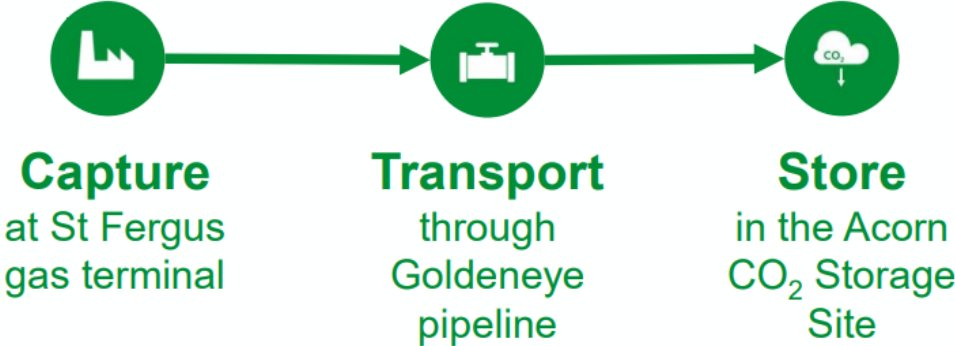
Industrial Green Transition Zone- Ambition

“Industrial Green Transition Zones will support the generation of significant economic opportunities while minimising carbon emissions. Technologies that will help Scotland transition to net zero will be supported at these locations, with a particular focus on low carbon and zero emissions technologies including renewables and the generation, storage and distribution of low carbon hydrogen.”



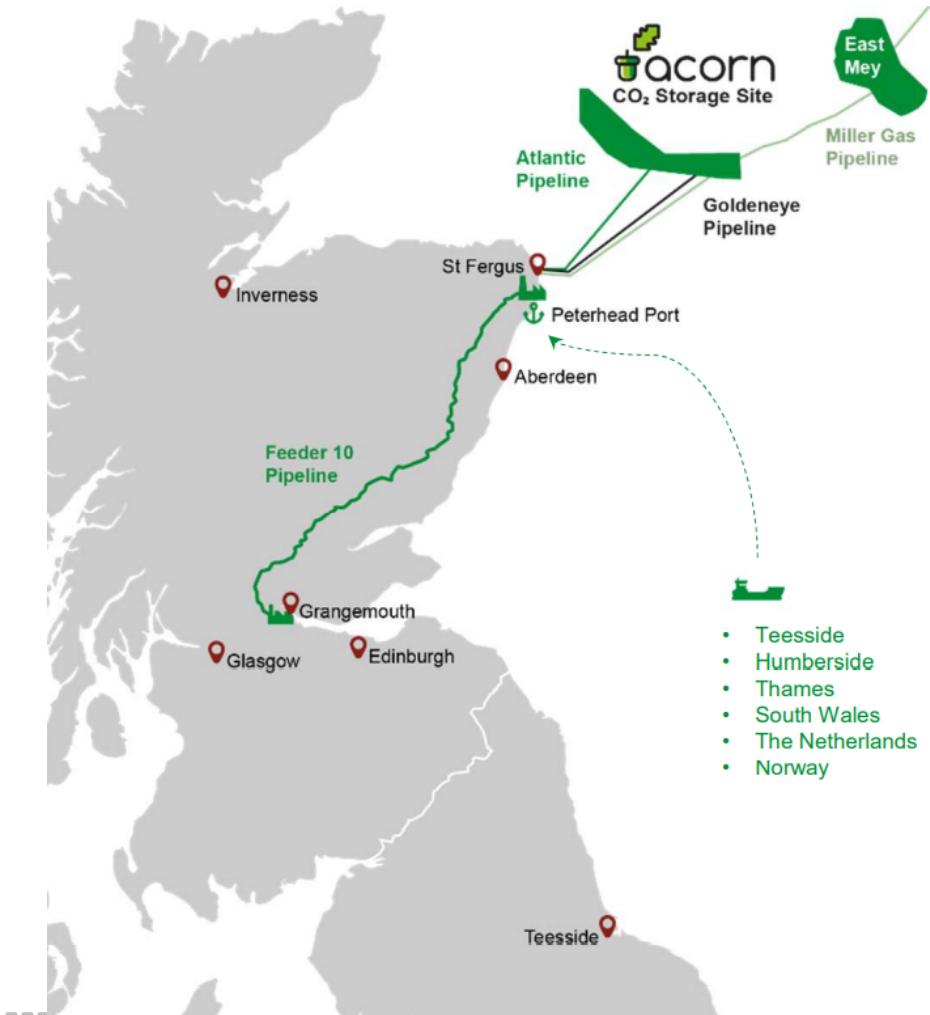
Industrial Green Transition Zone- St Fergus

Phase 1- Establishing the Anchor Infrastructure



Industrial Green Transition Zone- St Fergus

Phase 2- A catalyst for clean growth



CO₂ from H₂ production hub

35%

of all natural gas used in the UK comes onshore at St Fergus.

An ideal site for a major H₂ production hub. H₂ can be fed directly into the gas grid for blending and decarbonising gas.

CO₂ import facilities at the deep-water Peterhead Port

8 Miles

from St Fergus gas terminal, Peterhead Port offers huge development opportunities.

Providing a CO₂ transport and storage solution for industrial clusters across the North Sea Basin.

CO₂ from the Grangemouth cluster and beyond

90%

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

An essential emission management tool for Scottish industries to meet the Net Zero 2045 target.

Industrial Green Transition Zone- Realisation

- Acorn CO2 Storage Site Capacity= 150MT
- Total Industrial Emissions 2018= 11.9Mt/yr
- CO2 Storage Potential 23.9GT
- Creation of 5000+ jobs
- Renewable Energy Cluster
- Interconnected



Industrial Green Transition Zone





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Thank You
