

Project of common interest:

12.2

## CO2 interconnection

### Cross-border carbone dioxide network

#### COUNTRIES INVOLVED

United Kingdom (UK)  
Netherlands (NL)  
Norway (NO)

#### PROJECT PROMOTERS

Pale Blue Dot Energy Ltd (UK)





#### LOCATION

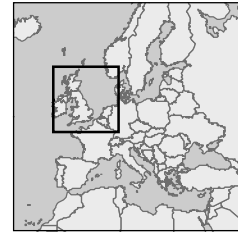
St Fergus gas plant in North East UK to  
Captain X storage site in the Central  
North Sea (UK), in further phases  
Netherlands, Norway

#### COMMISSIONING DATE

Phase 1 : 2022 Q1; Phase 2 : 2024 Q1;  
Phase 3 : 2027 Q1



-  PCI 12.2 - CO2 terminal
-  PCI 12.2 - CO2 injection
-  PCI 12.2 - CO2 shipping route
-  PCI 12.2 - CO2 pipeline



Source: PLATTS, GISCO, European Commission

#### Definition

12.2 - CO2-Sapling Transport and Infrastructure Project (United Kingdom, in further phases Netherlands, Norway)

#### Type of technology employed

Dedicated pipelines, other than upstream

The project is the transportation infrastructure component of the Acorn full chain Carbon Capture and Storage (CCS) project and its subsequent national and international build out programme. It is the international carbon dioxide (CO2) transportation network that will grow out of the Acorn CCS project. It will use existing North Sea gas pipelines that are no longer required for petroleum use as a dedicated transportation infrastructure for captured CO2.

Facilities for liquefaction and buffer storage

The project will develop new liquefaction and buffer storage facilities at the Peterhead Port and further compression plant at the St Fergus gas terminal, both on the North East coast of the UK, with additional modular facilities being constructed as required; St. Fergus identified as hub location.

Any equipment or installation essential for the system

Re-purposing existing gas pipelines that have many of the necessary control and monitoring systems in place. It will adopt the existing practices of maintenance and replacement as necessary

#### Implementation status

Under construction

#### LAST UPDATE

March 2018

Energy

Note: The project location as depicted on the map is indicative only. The final location will be determined once the permit granting procedure has been completed.