

Project of common interest:

1.12.2

# Electricity interconnection

## Northern Seas offshore grid

### COUNTRIES INVOLVED

United Kingdom (UK)

### PROJECT PROMOTERS

Gaelectric Energy Storage Ltd (UK)

### BASIC TECHNICAL DATA

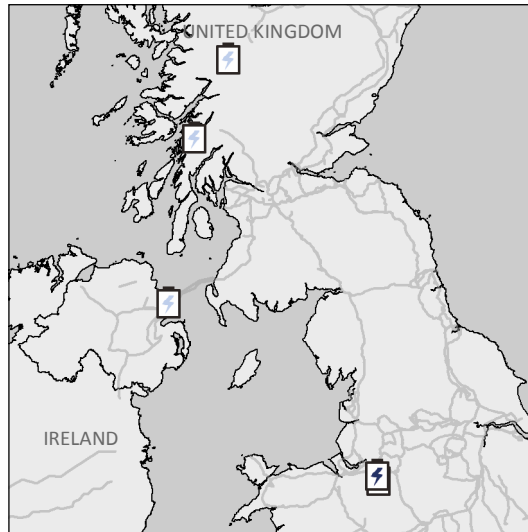
Capacity: Capacity 1.608GWh . Technical capability, per 24 hrs: 230 MW compression x 6 hrs, 268 MW generation x 6 hrs, 230 MW compression x 6 hrs, 268 MW generation x 6 hrs. Envisaged operation over 24 hrs = 250 MW compression 4-6 hrs; generation 50-268 MW over 6-10 hrs


### LOCATION

Cheshire (England, UK)

### COMMISSIONING DATE


2022

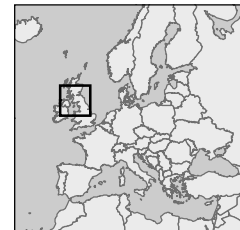


 PCI 1.12.2 - Electricity storage

— Existing power grid

Projects belonging to cluster 1.12

 Electricity storage



Source: PLATTS, GISCO, European Commission

### Definition

1.12.2 - Compressed air energy storage in Cheshire\*

### Cluster

PCI 1.12.2 - belonging to cluster 1.12: Cluster of electricity storage facilities in United Kingdom

### Type of technology employed

Compressed air energy storage using air storage caverns to be developed in salt deposits. Storage Capacity 1.608GWh . Technical capability, per 24 hrs: 230 MW compression x 6 hrs, 268 MW generation x 6 hrs, 230 MW compression x 6 hrs, 268 MW generation x 6 hrs. Envisaged operation over 24 hrs = 250 MW compression 4-6 hrs; generation 50-268 MW over 6-10 hrs

### Implementation status

Planned, but not yet in permitting

### LAST UPDATE

March 2018