

Project of common interest:

1.12.1

Electricity interconnection

Northern Seas offshore grid

COUNTRIES INVOLVED

United Kingdom (UK)

PROJECT PROMOTERS

Gaelectric Energy Storage Ltd (UK)

BASIC TECHNICAL DATA

Capacity: Storage Capacity 2GWh.

Technical capability, per

24 hrs: 250 MW compression x 6 hrs,

330 MW generation x 6 hrs, 250 MW

compression x 6 hrs, 330 MW

generation x 6 hrs. Envisaged operation

over 24 hrs = 250 MW compression 4-6

hrs; generation 70-330 MW over 6-10

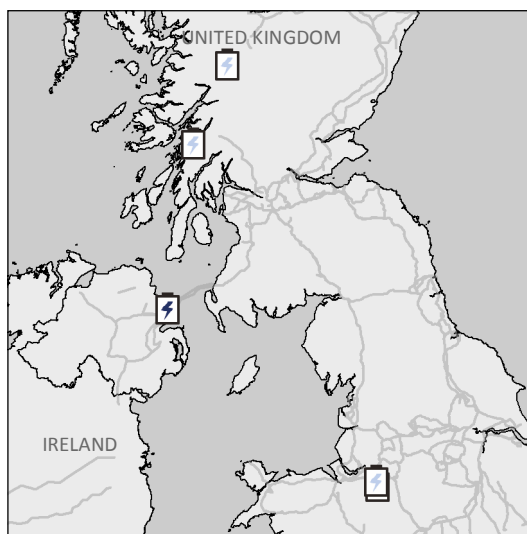
hrs


LOCATION

Larne, Northern Ireland (UK)

COMMISSIONING DATE

2021

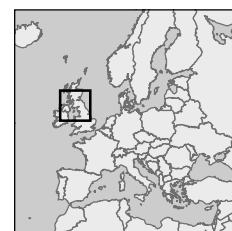


 PCI 1.12.1 - Electricity storage

— Existing power grid

Projects belonging to cluster 1.12

 Electricity storage



Source: PLATTS, GISCO, European Commission

Definition

1.12.1 - Compressed air energy storage in Larne

Cluster

PCI 1.12.1 - 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 2GWh. Technical capability, per

24 hrs: 250 MW compression x 6 hrs, 330 MW generation x 6 hrs, 250 MW

compression x 6 hrs, 330 MW generation x 6 hrs. Envisaged operation over 24 hrs =

250 MW compression 4-6 hrs; generation 70-330 MW over 6-10 hrs

Implementation status

Planned, but not yet in permitting

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.