



European Commission

Project of common interest:

12.9

PCI fiche

Poland – EU CCS Interconnector (emitters from the industrial cluster in the area around Gdansk, Poland with storage where available in the North Sea country territories)

Cross-border carbon dioxide network

CATEGORY
Carbon Dioxide

CLUSTER
n/a: n/a

COUNTRIES CONCERNED
France(FR)
Netherlands(NL)
Poland(PL)
Norway(NO)

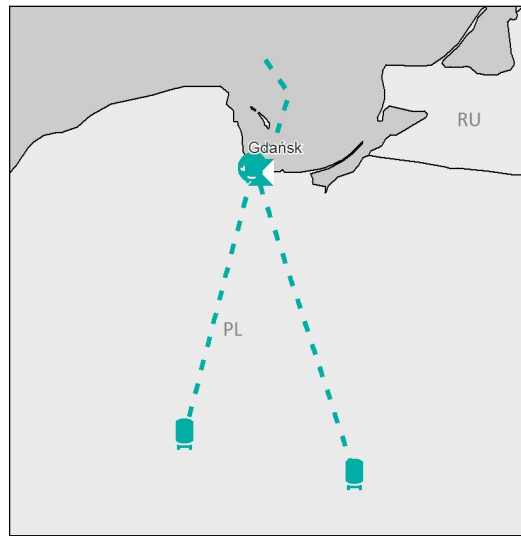
PROMOTERS
Air Liquide Polska Sp. z o.o. (PL)
Zarząd Morskiego Portu Gdansk S.A. (PL)
Polski Koncern Naftowy ORLEN S.A. (PL)
Lafarge Cement S.A. (PL)
Sogestran Shipping (FR)

PCI WEBSITE(S)
<https://www.airliquide.com/pl/polska>

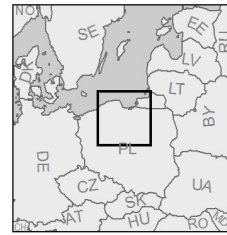
LOCATION
Gdansk (PL)

COMMISSIONING DATE
01/07/2026

LAST UPDATE
December 2021



- PCI 12.9 - CO2 terminal
- PCI 12.9 - CO2 compressor station
- PCI 12.9 - CO2 liquefaction and buffer storage
- PCI 12.9 - CO2 shipping route
- PCI 12.9 - CO2 pipeline



Source: PLATTS, GISCO, European Commission

Technical description

Poland EU CCS Interconnector is a project of an open access multi-modal liquid CO₂ (LCO₂) import-export terminal in Port of Gdansk with related CO₂ transport infrastructure from the facilities of emitters to European CO₂ transport and storage network in the basin of North Sea with a use of transport via roads, railways, pipelines and ships (in future also possible by river with inland barges). In the long term, the alternate storage sinks inland Poland or at the Baltic Sea could be investigated for connection with pipelines or with adaptation of the existing infrastructure connecting crude oil or gas fields. This solution would provide a reliable and flexible CO₂ transport and storage network across Europe. The project is scheduled to transport 2.7M Ton of CO₂ per year between 2025-2030 period reaching 8.7M Ton of CO₂ between 2030-2035 period. The CCS interconnector will consist primarily of the following infrastructures: a multi-modal Liquid CO₂ Export Terminal in Gdansk, a CO₂ collector backbone in the Port of Gdansk, to provide industries in the vicinity of the Port with effective access to the Terminal and a primary export infrastructures in the Gdansk hinterland to provide industries located in the hinterland of Poland to access the Terminal via railcars shuttle, trucks, inland waterways, or pipeline.

Energy

Note: In line with the provisions of the TEN-E Regulation, the content of this document relies on information provided by the promoter(s) of the Project of Common Interest and CINEA does not guarantee its accuracy. The European Commission and CINEA accept no responsibility or liability whatsoever with regard to the information contained therein.