



European
Commission

PORTHOS CO2 transport network

12.3-0022-NL-W-M-20

Programme:

CEF Energy

Call year:

2020

Location of the Action:

Netherlands

Implementation schedule:

July 2020 to April 2026

Maximum EU contribution:

EUR 102,135,856

Total eligible costs:

EUR 255,339,640

Percentage of EU support:

40%

Beneficiaries:

Status:

Ongoing

Energy corridor:

Cross-border carbone dioxide network

Energy sector:

CO2

Project(s) of Common Interest:

12.3

Additional information:

European Commission, DG ENER

<https://energy.ec.europa.eu/topics/infrastructure>

Agency for the Cooperation of Energy
Regulators (ACER)

<http://www.acer.europa.eu/>

Last modified:

June 2024



The current Action is part of the Project of Common Interest (PCI) 12.3 CO2 TransPorts. The PCI consists of the development of an open access cross-border CO2 transport network for the transport of CO2 from industrial sources in the ports of Rotterdam, Antwerp and North Sea Port (Ghent) to offshore storage locations in depleted gas fields in the North Sea. The PCI foresees three phases of implementation. Phase 1 (present - 2026) consists of the realization phase of Port of Rotterdam CO2 Transport Hub and Offshore Storage (Porthos). In phase 2 (2020+), CO2 pipeline links between the ports of Rotterdam, North Sea Port and Antwerp will be developed. Phase 3 (2030+) is dedicated to increase the capacity of 10 MtCO2/year to enable the further expansion of the Trans-European carbon dioxide network and to include demand for CO2 transport from third-party countries needing access to offshore storage sites.

The main objective of the Action is the construction of a CO2 transport backbone in the port of Rotterdam area able to transport CO2 to the depleted gas fields in the North Sea via the P18A offshore platform. More precisely, the scope of the Action is the construction of: 1) a 33 km long onshore pipeline connecting industrial emitters in the port area of Rotterdam, 2) a compressor station of 55 MW that compresses the captured CO2 to