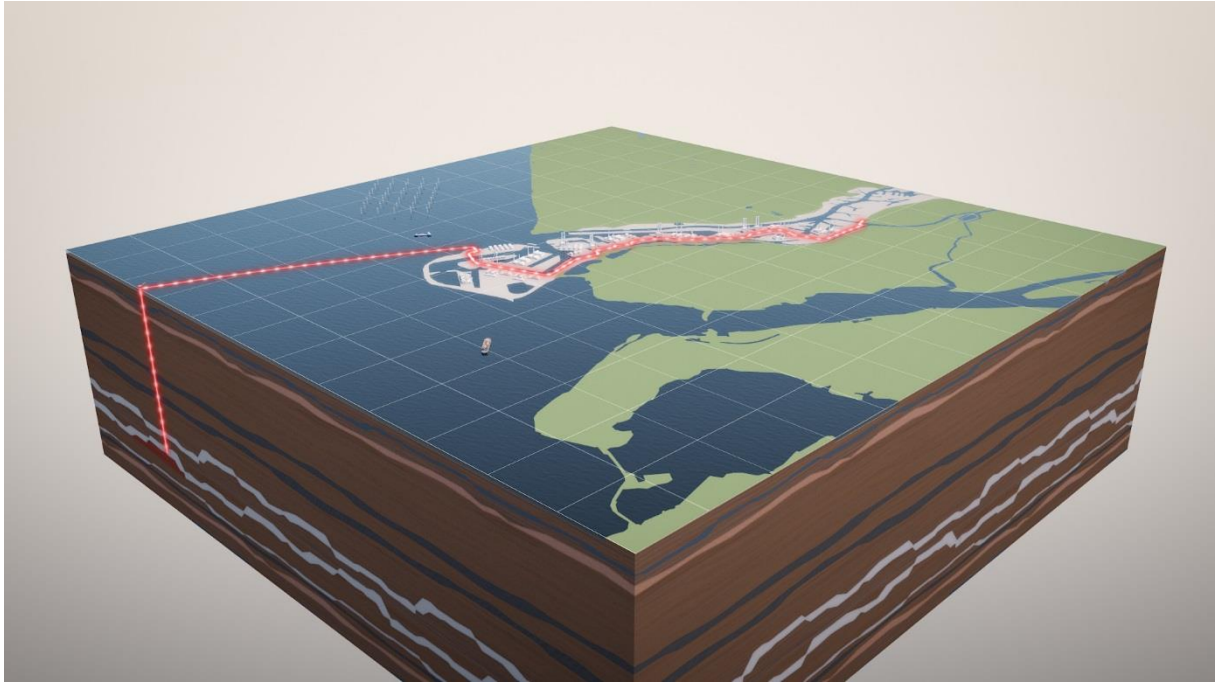


ROTTERDAM CCUS PROJECT PORTHOS



Request for information (RFI) regarding the potential installation of an Offshore Pipeline including Shore Crossing



Contact: Mr. Johan Draijer
Version 1.0

Groningen, April 2020

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1 General information about the CCUS project

1.1 Porthos project

The Netherlands has set itself clear climate targets: by 2030, Their objective is to reduced its greenhouse emissions by 49% compared to 1990 levels, and 95% by 2050. One measure that Dutch industry can take to achieve these climate objectives is Carbon Capture Usage and Storage (or CCUS for short). In CCUS, CO₂ is captured at the source and reused or stored underground. The important role played by CCUS in the energy transition is confirmed both in the Rutte III Cabinet's coalition agreement and the main outlines of the upcoming European Climate Agreement.

That's why the Port of Rotterdam, Gasunie and EBN are jointly preparing a new project in which CO₂ generated by industry in Rotterdam's port area is captured, transported and stored in empty gas fields deep in the North Sea seabed. A small volume of CO₂ can also be used in the greenhouses of Zuid-Holland to increase crop growth. The three companies have joined strengths under the project banner Porthos: Port of Rotterdam CO₂ Transport Hub & Offshore Storage. The three public shareholdings Port of Rotterdam, Gasunie and EBN all play an important role in the Dutch energy landscape. Besides helping to reduce the Netherlands' CO₂ emissions, these organisations also aim to play an active role in the energy transition.

The three will be working together in this CCUS project, with each party contributing its specific experience and expertise. The Port of Rotterdam Authority will be focusing on the local situation and market, EBN will be sharing its expertise in the area of the Dutch subsurface and offshore infrastructure and Gasunie can offer extensive experience with gas infrastructure development and gas transport.

Porthos is the abbreviation for **P**ort of **R**otterdam CO₂ **T**ransport **H**ub & **O**ffshore **S**torage and is the name of the project in which Port of Rotterdam, Gasunie and EBN cooperate to realize a complex CCUS (Carbon Capture Utilisation and Storage) infrastructure.

2 General information about the RFI

2.1 Goals of the RFI

The overall goal of the request for information is to receive information from contractors to help Porthos to define the best possible scope split over the respective tender package(s) for the offshore pipeline and shore crossing installation.

The scope split will be based, among other things, on technical and installation capacity of individual contractors, project risks, interfaces, possibilities to form a joint venture or to subcontract and the suitability for the governance of Porthos.

In addition to above, this questionnaire will be used to gain some additional technical information which can be of use for the ongoing design activities and Environmental Impact Assessment (EIA).

To meet these goals, Porthos and Intecsea have compiled a RFI package consisting of :

- General information about the Porthos project
- FEED design information for the shore crossing and offshore sections
- Definition of the different scope elements for the installation- and possible related tender packages
- Questions related to the scope definition and installation methods.

The replies to the questionnaire are expected to be valuable input when Porthos defines the structure of the upcoming call for tender(s) for the shore crossing and offshore pipeline installation.

2.2 Document list

The documents belonging to this RFI are:

Nr	Document name	Contents
1.	Request for information (RFI) regarding the potential installation of an Offshore Pipeline including Shore Crossing (pdf)	General Information about the RFI process
2.	Request for Information - Shore Crossing and Offshore CO2 Pipeline Installation (pdf)	RFI Information Package
3.	Questionnaire – Scope (MS Word)	Appendix B of “2” above to be used as reply form for “scope”
4.	Questionnaire – Technical (MS Word)	Appendix C of “2” above to be used as reply form for “Technical”

2.3 RFI schedule

Activity	Date / Period
Publication of the document via TenderNed	Fri 24 th April 2020
Possibility to pose questions about the RFI, 10:00 hr	Mon 11 th May 2020
Publication of answers on questions via TenderNed	Thu 14 th May 2020
Deadline submission of response via e-mail j.draijer@gasunie.nl	Mon 25 th May 2020
Presentation of response and discussion (optional)	2 nd and 4 th June 2020

2.4 Exchange of information

The exchange of information for this RFI is carried out electronically through TenderNed, www.tenderned.nl. The use of TenderNed is free of charge.

Response to the questions is to be done by e-mail to j.draijer@gasunie.nl.

2.5 Conditions

By taking part in this RFI you agree with the following conditions:

1. Responses must be sent via email to the contact person of this RFI;
2. All documents and communication in English;
3. Participants cannot derive any rights based on this RFI;
4. Your response is confidential and shall only be shared within Porthos and Intecsea;
5. The provided information will only be used for further studies and advice to develop optimal tender package(s);
6. Porthos has the right to use information in a possible upcoming public procurement tender but is not obliged to do so;
7. Porthos is not bound by the results of this RFI;
8. No rights may be derived from the schedule. Porthos reserves the right to change the schedule;
9. The number of presentations is in principle limited to 8 presentations. In case the responses outnumber the presentations, Porthos has the right to select presentations and/or extend with an extra presentations day. Responder cannot claim a right for presentation.

2.6 Response

Please send your reaction via e-mail to:
Johan Draijer, j.draijer@gasunie.nl.