
Construction planning of energy storage project in Rotterdam Netherlands

What is the port of Rotterdam CO2 transport hub & offshore storage project?

With the infrastructure buildout phase underway, the groundwork is being laid down for the first large-scale Dutch carbon capture and storage (CCS) project, known as the Port of Rotterdam CO2 transport hub and offshore storage (Porthos) project, a joint venture between EBN, Gasunie and the Port of Rotterdam Authority.

How can CO2 be stored in Rotterdam?

Read more here. Porthos is developing a project to transport CO2 from industrial companies in the port of Rotterdam and store it in empty gas fields under the North Sea. Thanks to Porthos, some 2.5 million tonnes of CO2 will be captured annually and stored permanently.

How is CO2 reduced in Rotterdam?

The Climate Agreement explicitly chose CCS as one of the measures for CO2 reduction. In the Porthos project, CO2 from industry in the port of Rotterdam is captured, transported and stored in empty gas fields under the North Sea. Construction of Porthos has visibly started near Rozenburg.

How will Rotterdam transport CO2 to depleted gas fields?

Upon completion, the brand-new infrastructure will enable the transport of CO2 in the port of Rotterdam to depleted gas fields in the North Sea. Following the final investment decision (FID) in October 2023, Porthos began awarding assignments to the industry and the supply chain to realize the project.

Discover the top 12 energy transition projects of 2023 aiming for a CO2-neutral port of Rotterdam by 2050.

Construction of the Porthos CCS project in the port area of Rotterdam is well underway. It is the first CO2 transport and storage project of this scale in the European Union ...

ExxonMobil Benelux has officially started construction on a new pilot project in Rotterdam that combines cutting-edge carbon capture ...

Porthos has taken a final investment decision to develop the first major CO2 transport and storage system in the Netherlands. In 2024 construction will begin in Rotterdam, ...

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The onshore transport system under construction allows for future CO₂ storage projects. Hans Meeuwsen, Porthos director: "CO₂ storage is crucial if we want to achieve the ...

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