



Norway chemical energy storage project construction

114KWh ESS



PICC
SULFONOLANS

RoHS



MSDS

UN38.3

UK
CA





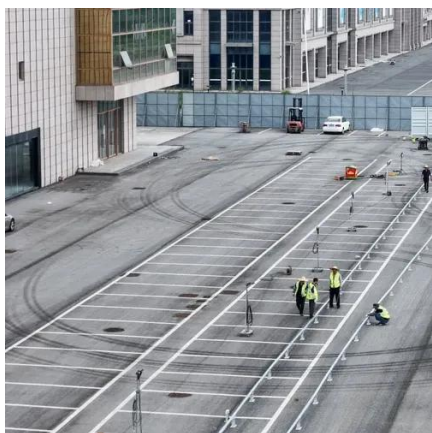
Overview

Located in Norway, Northern Lights is the world's first CO₂ transport and storage project open to industry, owned equally by TotalEnergies, Equinor and Shell. 5 million tonnes of CO₂ per year. So how does it work?

At the remote Energiparken industrial hub in Øygarden on Norway's rugged west coast, under skies that can stay light for 18 hours a day and where orcas and sea. Norway has opened the world's first commercial-scale carbon capture and storage (CCS) facility, marking a turning point in global climate action. The project captures carbon dioxide (CO₂) emissions from a cement plant and stores them deep beneath the seabed in the North Sea. The largest climate initiative in Norwegian industrial history. Equinor, Shell, and TotalEnergies completed Europe's first permanent CO₂ injection.



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[Norway's Northern Lights CCS project starts operations with first CO₂](#)

The first volumes of carbon dioxide (CO₂) have been injected and stored as part of Norway's Northern Lights carbon capture and storage (CCS) project, marking the start of operations, ...

[The Longship CCS project in Norway . Learn more about the project](#)

Longship is one of the world's first CCS projects developing an infrastructure with the capacity to store significant amounts of CO₂ from multiple countries. With Longship, Norway is at the forefront of ...



[Norway: First CO₂ storage in Northern Lights](#)

The first phase of the project has a storage capacity of 1.5 Mt CO₂/year, which has been fully booked by customers from Norway and Continental Europe. Final Investment Decision of the ...

[Following the Northern Lights: inside a pioneering project](#)

In August, Northern Lights, the world's first cross-border commercial carbon transport and storage service, injected carbon dioxide (CO₂) collected from a cement factory 450 kilometres ...



[World's first third-party CO2 storage facility kicks off in Norway](#)

Energy giants Equinor, Shell, and TotalEnergies have made a massive step forward in large-scale carbon capture and storage (CCS) in Europe after they successfully completed the first ...



The Northern Lights project

Equinor, Shell and TotalEnergies are investing in the Northern Lights project -- Norway's first licence for CO2 storage on the Norwegian Continental Shelf and a major part of the initiative that ...



[Northern Lights: a CO2 transport and storage project to reduce](#)

Operations will start in the summer of 2025, with the first delivery of CO 2 by ship from the Heidelberg Materials cement plant in Brevik, Norway. The CO 2 will be injected into the reservoir, off ...



[Norway's First Major Carbon Capture And Storage Project Northern ...](#)



Phase 1 of Norway's first carbon capture and storage project, which started operations in September 2024, can store 1.5 million tonnes of CO2 annually, equal to the emissions of about ...



[World's First Commercial CCS Plant Owned by Shell, Equinor, and](#)

Norway has opened the world's first commercial-scale carbon capture and storage (CCS) facility, marking a turning point in global climate action. The project captures carbon dioxide ...

[Northern Lights CCS Project Advances To Phase 2 - ESG Review](#)

CO2 Receiving Terminal In Øygarden In Western Norway The first phase of the Northern Lights project aimed to demonstrate the feasibility of a new business model, solutions, and ...





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