

Solar Storage Container Solutions

The first energy storage project in Northern Europe

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Overview

TotalEnergies, alongside partners Equinor and Shell, has officially inaugurated the Northern Lights project, the world's first open-access CO₂ transportation and storage network, by injecting the first volumes of captured carbon dioxide beneath the seabed off western Norway. When did Norway Open the Northern Lights visitor centre?

The Prime Minister of Norway, Jonas Gahr Støre, officially opened the Northern Lights visitor centre in October 2022. The Northern Lights project is part of the Norwegian full-scale carbon capture and storage (CCS) project. The full-scale project will include capture of CO₂ from one or two industrial capture sources.

How will CO₂ be stored in Norway?

The full-scale project includes capture of CO₂ from industrial sources and shipping of liquid CO₂ to an onshore terminal on the Norwegian west coast. From there, the liquified CO₂ will be transported by pipeline to an offshore storage location subsea in the North Sea, for permanent storage.

How much does CO₂ management cost in Norway?

The total estimated cost of the project, including ten years of operation, is around NOK 34 billion. The investment is backed by the Norwegian Parliament and aims to develop CO₂ management as a cost-effective climate measure. 'This is an investment in future jobs, technology, and industry.'

Why is Norway investing in CO₂ management?

The investment is backed by the Norwegian Parliament and aims to develop CO₂ management as a cost-effective climate measure. 'This is an investment in future jobs, technology, and industry. Longship will demonstrate that CO₂ management is safe, feasible, and necessary to meet climate goals in Norway and the EU', said Aasland.

Will longship help meet climate goals in Norway and the EU?

Longship will demonstrate that CO₂ management is safe, feasible, and necessary to meet climate goals in Norway and the EU', said Aasland. Planned annual CO₂ capture capacity: 400,000 tonnes at Heidelberg Materials in Brevik and 350,000 tonnes at Hafslund Celsio in Oslo (planned start in 2029).

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Five European energy storage markets to keep on your radar

By Scott Poulter Think of energy storage in Europe and the markets that most often come to mind are the UK and Germany. That's no wonder: both have historically led European energy ...

Norway: First CO2 storage in Northern Lights

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Europe installed 12GW of energy storage in 2024

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Following the Northern Lights: inside a pioneering project

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Oil firms claim success as CO2 storage project comes into ...

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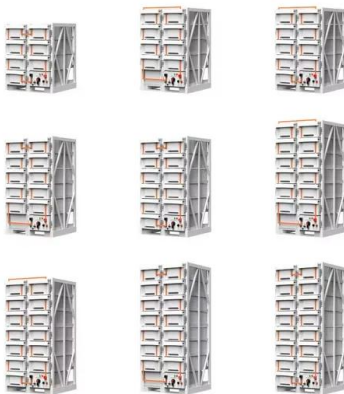


Norway: First CO2 Storage in Northern Lights

18 hours ago · About Northern Lights Northern Lights, owned in equal shares by TotalEnergies, Equinor and Shell, is developing the world's first cross-border CO 2 transport and storage ...

Northern Lights: world first cross border facility ...

Feb 12, 2025 · Northern Lights is the transport and storage part of the Norwegian Longship CCS project (Image: Northern Lights) The first phase capacity of 1.5 ...



Go-ahead for the Northern Lights project

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Northern Lights, the First Major Carbon Capture ...

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