

PDEOZE PowerContainer

What is Norway s largest energy storage project



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. How much CO₂ can Norway Store a year?

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 750,000 cars annually.

How much will Norway spend on the longship project?

While disclosing that its Longship project is nearing completion, the Norwegian government highlighted that it intends to continue its investment in the project, thus, it proposed an allocation of 2.1 billion NOK or \$197.3 million for this development in the state budget for 2025.

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.'

How much storage does the Northern Lights CCS project have?

The Northern Lights CCS project off the coast of Norway has enough storage for the equivalent of 750,000 car emissions every year in the first phase. Equinor's Smeaheia storage site, located to the south of Northern Lights, has the potential to increase storage capacity many times over.

How is Northern Lights' CO₂ transport and storage infrastructure progressing?

Construction of Northern Lights' CO₂ transport and storage infrastructure and Heidelberg Materials' capture facility in Brevik is progressing. As of now, the Brevik CCS is 76 percent complete, while Northern Lights' storage facility is 94 percent complete.

What's happening with Northern Lights & Stockholm exergi?

This FID follows the signing of a 15-year commercial agreement between Northern Lights and Stockholm Exergi, the Swedish capital's energy supplier, for the cross-border transport and storage of 900,000 tonnes of biogenic CO₂ per year from 2028.

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