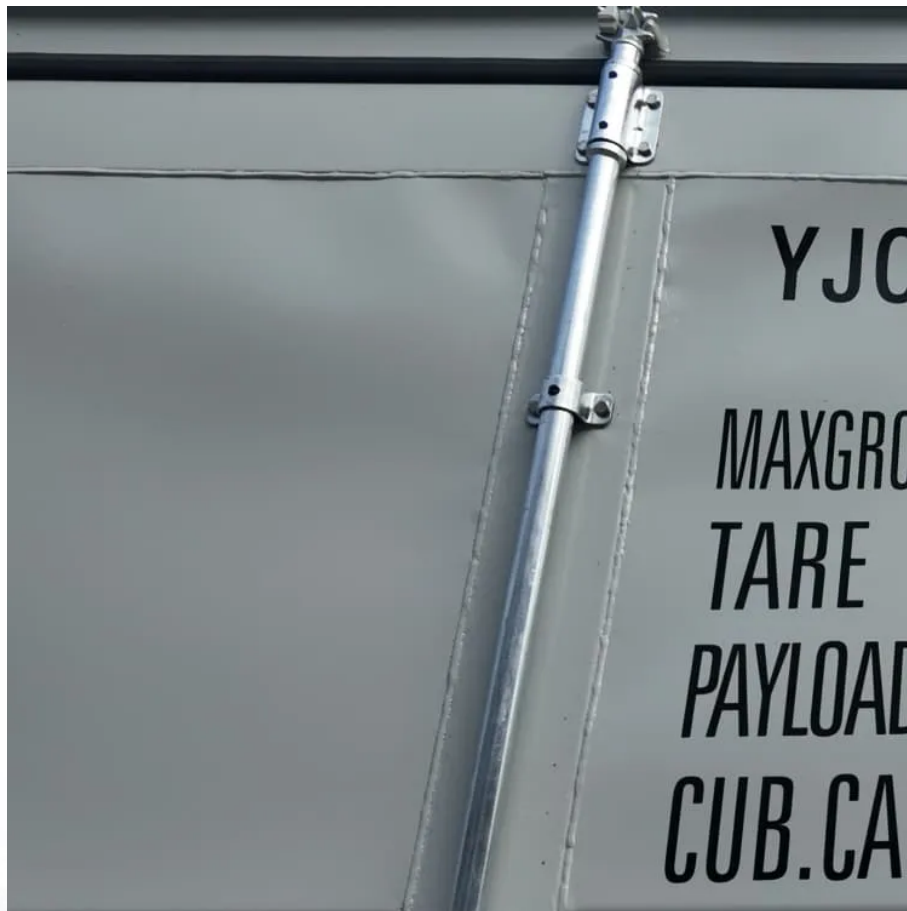




SolarMax Pro Energy Storage Systems

Norway s energy storage projects in 2025





Overview

The project by Northern Lights, which is led by oil giants Equinor, Shell and TotalEnergies, involves transporting and burying CO₂ captured at smokestacks across Europe. The aim is to prevent the emissions from being released into the atmosphere, and thereby help halt climate change. 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.

Will Norway be able to manage CO₂ in 2025?

Terje Aasland, Norway's Minister of Energy, commented: "With Longship, Europe's first full-scale value chain for CO₂ management will be in operation in 2025. It is inspiring to now see the results from Norway's long-term commitment to CO₂ management.

Will Norway develop a full-scale CCS value chain in 2025?

The project is said to reflect the Norwegian government's ambition to develop a full-scale CCS value chain in Norway, demonstrating the potential of this decarbonization approach. Longship, with captured CO₂ from Brevik and Northern Lights' transport and storage, will be operational in 2025.

What projects are under development in Norway?

Another project under development in Norway is a new power plant at Torolmen, in the Årdal municipality, with an estimated annual production of around 30 GWh. The total investment for this project could reach NOK290 million (US\$27.4 million), with potential construction starting as early as 2027.

Which companies are investing in 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 the Norwegian government calls Longship. Carbon capture and storage will play a major role in the Norwegian climate solution.

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.



Norway's energy storage projects in 2025



Norway's \$2.8 billion full-scale carbon capture transport and storage

Heidelberg Materials is expected to start capturing CO₂ from the cement factory in Brevik in 2025, while the transport and storage project for Northern Lights in Øygarden is ...

Norway: First CO₂ storage in Northern Lights

Final Investment Decision of the second phase was announced in March 2025, which will increase the project capacity to more than 5 Mt CO₂/year from 2028. The ...



Exploring paths and innovation in Norwegian carbon capture and storage

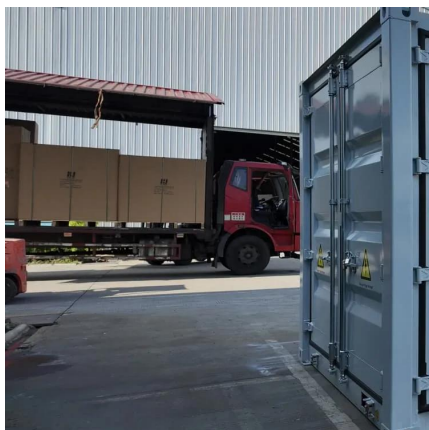
Norway, a significant petroleum producer and exporter, has been a frontrunner within policies for carbon capture and storage (CCS). As CCS is recognized as a key ...

World's first commercial carbon storage facility gets first CO₂

The first commercial carbon storage facility has been inaugurated off Norway's coast, but is



storing CO2 deep under the seabed really the answer?



[Waste to energy: Full-scale CCU/CCS projects ...](#)

Hafslund Celsio, operator of the Klemetsrud waste to energy (wte) plant in Oslo, announced this week that it will proceed with a carbon capture ...

Norway Launches Complete Industrial Chain for Carbon Capture and Storage

The Norwegian government officially inaugurated this week the Longship industrial project, described as the world's first integrated chain of carbon dioxide (CO₂) capture, transportation, ...



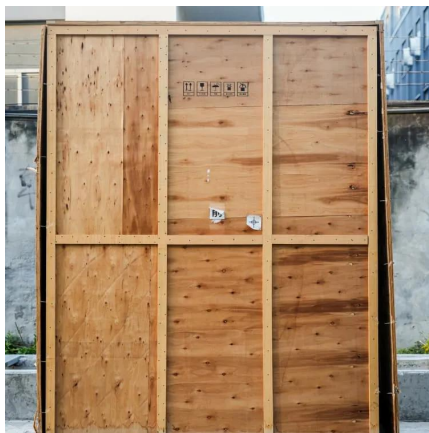
Norway's \$2.8 billion full-scale carbon capture transport and ...

Heidelberg Materials is expected to start capturing CO₂ from the cement factory in Brevik in 2025, while the transport and storage project for Northern Lights in Øygarden is ...



Northern Lights To Begin First Carbon Storage Operations In 2025

Norway-based carbon capture, transport, and storage (CCS) initiative Northern Lights has announced that it will start its first CO₂ storage operations in early 2025. On ...



[Norway: TotalEnergies and partners launch the 2](#)

Paris, March 27, 2025 - TotalEnergies and its partners, Equinor and Shell, announce the Final Investment Decision (FID) of the second phase of the ...

[Current Status of the Longship Project](#)

Northern Lights has signed a transport and storage agreement with Yara to store up to 800,000 tons of CO₂ annually from Yara's ammonia and fertilizer plant in Sluiskil, ...



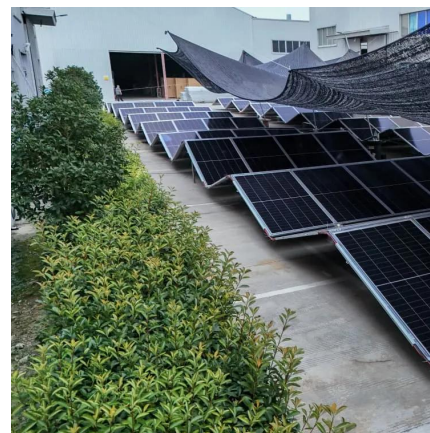
[Equinor reports on Norwegian development projects](#)

Equinor is the operator of 19 projects currently under development in Norway. In the proposed National Budget for 2025, the Ministry of Energy ...



Norway's Hedged Bet on Europe's Energy Future: A Garbage ...

On the edge of a fjord on Norway's rocky west coast is a massive, almost sculptural structure that represents a multibillion-dollar bet on the economic future of energy in Northern ...



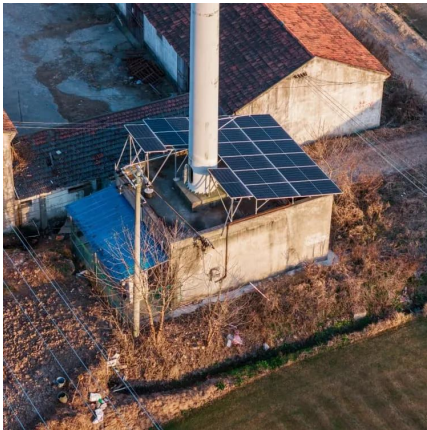
[84 GWh pumped storage project planned for Norway](#)

The Illvatn pumped storage project, with an estimated price tag of NOK1.2 billion (US\$113 million), is expected to begin construction in 2025.

Country Analysis Brief: Norway

Figure 1. Map of Norway (as of August 2024)
Source: U.S. Energy Information Administration
Figure 2. Map of Norway's major energy infrastructure (as of August 2024) Source: U.S. ...





[Norway Energy Opportunities Hydrogen Value Chain](#)

With the Norwegian government announcing that all new car ferries and high-speed ferries from 2023 and 2025, respectively, will be required to be zero emission, hydrogen is poised to be a ...

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 ...



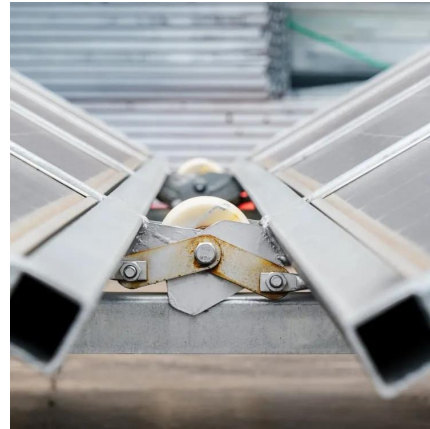
[High-powered support for renewable energy projects](#)

Credit: Ida Wullum-Lindberg/Norad 27 new projects will receive a total of NOK 248 million under the enterprise development scheme for renewable energy. Projects include gas ...



Norway's Northern Lights CCS project starts operations with first ...

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 ...



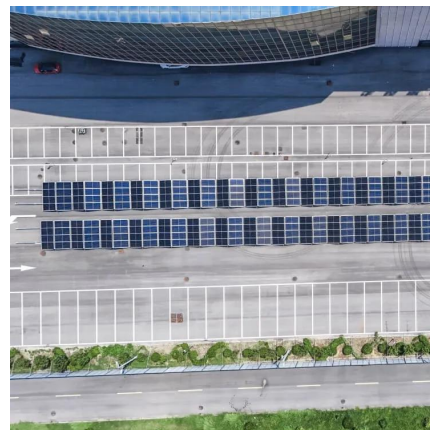
Northern Lights injects first carbon dioxide for storage

After several years of development and public investment, the Northern Lights carbon dioxide sequestration project has injected its first load of waste CO₂ for permanent ...



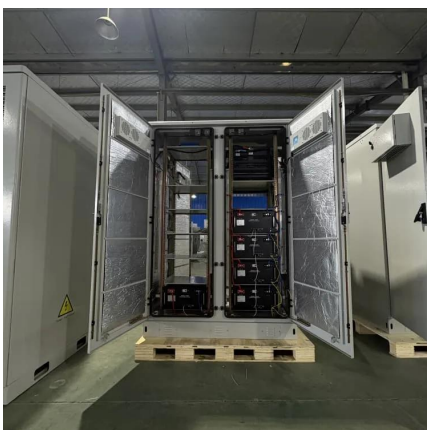
[Northern Lights To Begin First Carbon Storage ...](#)

Norway-based carbon capture, transport, and storage (CCS) initiative Northern Lights has announced that it will start its first CO₂ storage ...



[Norway: Northern Lights approved for CO₂ storage ...](#)

The official opening ceremony of the CO₂ transport and storage facility in Øygarden, near Bergen, took place on September 26, 2024, ...





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