



Current status of energy storage projects in norway





Overview

Energy giants Shell, Equinor, and TotalEnergies have announced the completion of their carbon dioxide (CO₂) storage project on Norway's west coast, a key part of Norway's Longship project. The facility, located at the Northern Lights site, is set to begin receiving CO₂ in.

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Norsk Hydro, a Norwegian aluminum and renewable energy company, is planning a 84 GWh pumped storage project in Luster Municipality, Norway. The Illvatn project, with an estimated price tag of NOK1.2 billion (US\$113 million), is expected to begin construction in 2025, targeting 2028 or 2029 for full.

This will increase the project's transport and storage capacity from 1.5 million to more than 5 million tons of carbon dioxide (CO₂) per year, starting 2028. The initial phase of the project has been completed and is ready to accept CO₂ from industrial sources. Operations are expected to begin this.

Norway is at the forefront of energy storage innovation, leveraging its rich hydropower heritage and cutting-edge technologies. Renowned for its extensive hydropower infrastructure, the country utilizes reservoirs as dynamic energy stores, harnessing surplus electricity during low-demand periods.

October 21, 2025 - Elinor Batteries has been awarded the contract to supply battery solutions for three large-scale battery parks in Southern Norway, boosting energy storage capacity, reducing grid costs, and supporting a faster transition to a low-emission society. Visualization of the Eiktyr.

The Norwegian government has made room in its 2025 budget for a multimillion-dollar investment destined to be injected into its carbon capture and storage (CCS) project, described as a full-scale CO₂ capture, transport, and storage development in line with the country's international climate.

Norway's first carbon capture and storage project-the Northern Lights project, is a



ground-breaking step in the fight against climate change. This enormous project, which has been in operation since September 2024 and is a joint venture between TotalEnergies, Equinor, and Shell, intends to store.



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[Subsea7 Hooks Equinor's Deal for CCS Work off ...](#)

Offshore energy services firm Subsea7 has signed a contract with Equinor to act as a technical service provider (TSP) for the Northern ...

[Shell, Equinor, and TotalEnergies complete CO2 ...](#)

Energy giants Shell, Equinor, and TotalEnergies have announced the completion of their carbon dioxide (CO2) storage project ...



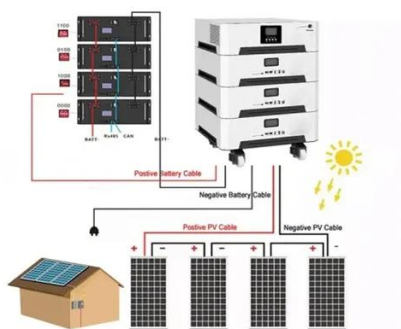
[Aker Solutions Secures EPC Contract for Northern Lights Phase ...](#)

Northern Lights Phase 1 is a key component of Norway's Longship project, designed to establish a full-scale value chain for carbon capture, transport, and storage.



[The installed capacity of battery energy storage ...](#)

Today, the installed capacity of battery energy storage systems operating in Europe has exceeded the 20GW mark, with the ...



[Norway's \\$2.8 billion full-scale carbon capture transport and storage](#)

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 ...

[Tracking Nordic Clean Energy Progress](#)

While the use of battery storage is on the rise, the current installed capacity remains relatively insignificant compared to hydro storage. To fully harness the potential of renewable energy, ...



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

In April 2020, the Norwegian Ministry of Energy granted Norsk Hydro a concession to develop the Illvatn pumped storage power plant. An application for a plan change is being ...



[TotalEnergies & Partners to Increase Carbon Storage Capacity in ...](#)



Operations are expected to begin this summer, including the first shipment of CO2 from Heidelberg Materials' cement factory in Brevik, Norway, to a reservoir 2,600 meters ...



[Oslo Grid Energy Storage Project: Powering Norway's Green Future](#)

Ever wondered how a city known for fjords and northern lights is quietly becoming a global energy storage pioneer? The Oslo Grid Energy Storage Project is rewriting the rules ...

[Long-Term Storage Licenses \(Norway\)](#)

Long-Term Storage Licenses in Norway: A Deep Dive Norway is rapidly becoming a key hub for long-term CO2 storage, driven by its geological suitability and proactive government policies. ...



[Norway's Global Leadership in Carbon Capture, Utilization, ...](#)

LAYING THE FOUNDATION: NORWAY'S EARLY COMMITMENT TO CCS Norway began its journey into carbon capture and storage (CCS) well ahead of most countries. The landmark ...

[Norway's maturing battery industry embraces green energy storage](#)



Energy storage is coming on strong now. It's the key to turning intermittent wind and solar into a stable energy source," explains Pål Runde, Head of Battery Norway. An early ...



[Norsk Hydro Unveils Ambitious 84GWh Pumped ...](#)

Norsk Hydro, a leading Norwegian aluminum and renewable energy company, has announced plans for an 84GWh pumped storage ...

[Eco Stor plans 716 MWh battery storage system in ...](#)

The German-Norwegian company is planning another large-scale battery energy storage facility in Germany, bringing its cumulative ...



[An overview of large-scale stationary electricity storage plants in](#)

The status of PHS and other large-scale storage technologies in the EU-28 countries, supplemented by Norway and Switzerland, is presented. First, this paper defines a ...



[Norway Energy Storage Outlook](#)



While Norway boasts a robust renewable energy sector dominated by hydropower, large-scale dedicated energy storage facilities are still in their early stages of development.



[Hydrogen Energy in Norway: Legal Insights](#)

Explore reliable legal insights on hydrogen energy in Norway, including policy changes, projects, and challenges. Stay informed with ...

[Scatec wins battery storage project in South Africa](#)

Oslo, 30 May 2025: Scatec ASA has been awarded preferred bidder status for the Haru BESS Battery Energy Storage Project totalling 123 MW/492 ...



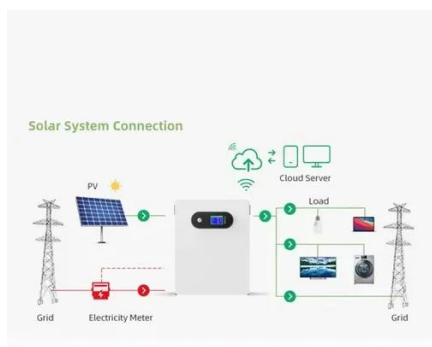
[Shell, Equinor, and TotalEnergies complete CO2 storage project in Norway](#)

Energy giants Shell, Equinor, and TotalEnergies have announced the completion of their carbon dioxide (CO2) storage project on Norway's west coast, a key part of Norway's ...

[Elinor Batteries to supply batteries for grid-scale energy storage in](#)



Scheduled for completion in 2026, the projects will have a combined storage capacity of nearly 40 MWh, making them among the largest battery projects in Norway to date, ...



[New battery storage capacity to surpass 400 GWh](#)

Rystad Energy modeling projects that annual battery storage installations will surpass 400 gigawatt-hours (GWh) by 2030, representing ...

[Norway's \\$2.8 billion full-scale carbon capture ...](#)

While disclosing that its Longship project is nearing ...



[Norway Energy Storage Outlook](#)

While Norway boasts a robust renewable energy sector dominated by hydropower, large-scale dedicated energy storage facilities ...



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



The project's importance, operational framework, difficulties encountered during development, and potential to influence industrial decarbonization in the future are all covered ...



[Sweden and Finland surge ahead of Norway for ...](#)

Image: Ingrid Capacity. While Norway once aimed to be the 'battery of Europe' it has since been overtaken other Nordic countries ...



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