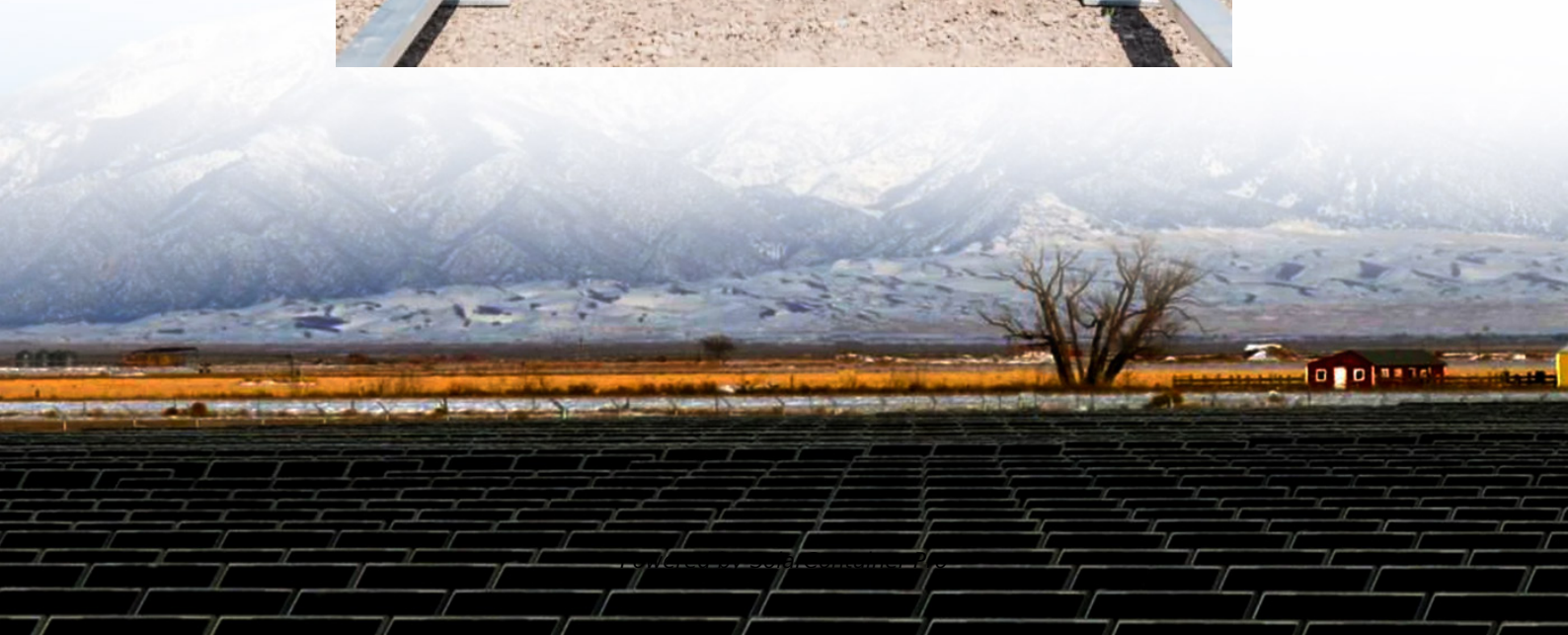


Norway energy storage power station





Overview

Will Norway's largest pumped storage power plant improve energy supply?

The Norwegian energy company Statkraft has contracted AFRY to conduct a feasibility study on optimising the operation of Norway's largest pumped storage power plant in Saurdal. The study aims to double the plant's capacity to store surplus renewable energy, thereby enhancing consistent energy supply during peak demand periods.

Will Norwegian hydro develop illvatn pumped storage power plant?

In April 2020, the Norwegian Ministry of Energy granted Hydro a concession to develop the Illvatn pumped storage power plant. An application for a plan modification is currently under review by the Norwegian Water Resources and Energy Directorate (NVE).

Does Norway need a renewable power supply?

However, to further reduce emissions in existing industries and encourage the development of new ones, the country still requires an increase in renewable power supply at competitive prices. Hydro currently produces aluminium in Norway with a carbon footprint approximately 75% lower than the global average.

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.

Is Yane a viable project in Norway?

The company noted that the profitability of the Øyane project is more challenging, and it is currently evaluating its viability. Another project under



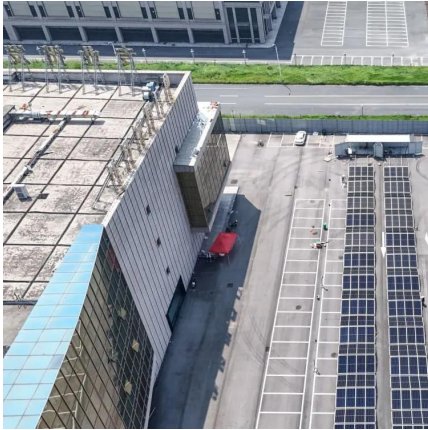
development in Norway is a new power plant at Torolmen, in the Årdal municipality, with an estimated annual production of around 30 GWh.

Does hydro produce aluminium in Norway?

Hydro currently produces aluminium in Norway with a carbon footprint approximately 75% lower than the global average. The company aims to achieve zero-carbon aluminium production by 2050. The company is progressing the development of hydropower projects across several locations. Sign up for our weekly news round-up!



Norway energy storage power station



Hidden in Plain Sight: How Norway's Smaller Hydro Plants Can ...

Norway's hydroelectric resources are substantial and firmly established. With over 33 GW of installed capacity and roughly 87 TWh of potential energy storage, this renewable reservoir ...

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Oslo Three Peaks Energy Storage Power Station: Powering Norway...

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AFRY to upgrade Norway's largest pumped storage power plant ...

The Norwegian energy company Statkraft has contracted AFRY to conduct a feasibility study on optimising the operation of Norway's largest pumped storage power plant in ...

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Norway o Electricity and Renewable energy

In 2023 Norway had 39.6 GW of electricity installed generating capacity. Gross theoretical hydropower capability, related to Norway is 22.0 TWh/year. As of 2021, Norway registered ...

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In this context, Norway, with its vast hydropower storage resources, could play a strategic role in stabilizing the European electricity market. Norway holds a unique geographical advantage: its ...

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84 GWh pumped storage project planned for Norway

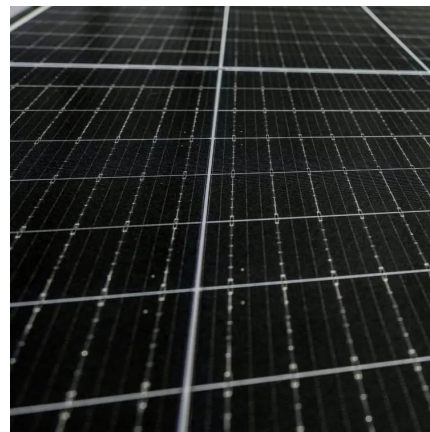
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Hidden in Plain Sight: How Norway's Smaller Hydro Plants Can ...

Norway's hydropower system, especially plants with large storage reservoirs, is well-suited for holding energy over long periods. By storing surplus electricity during low-demand seasons ...

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Renewable-powered lithium-ion battery recycling plant in Norway ...

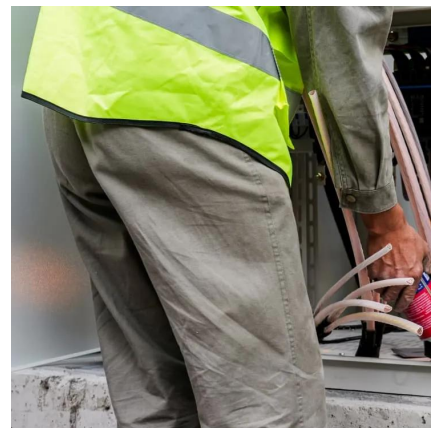
A lithium-ion battery recycling plant is under construction in Norway, focusing initially on electric vehicle (EV) batteries, but the CEO of the company behind it has said that it will ...

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Hydro to build pumped storage power plant in Luster, Norway

Hydro is set to construct a new pumped storage power plant in Luster Municipality, Norway. Construction is expected to commence in 2025, with operations anticipated to begin ...

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