

Ardian, a world leading private investment house, in partnership with its operating platform eNordic, today announces it has taken Final Investment Decision (FID) to build Mertaniemi battery energy storage project, a 38.5MW one hour utility scale battery energy storage system (BESS) in Finland, to support the Finnish power grid.

Located adjacent to the new Fingrid Simojoki substation in Lapland near the Swedish border and being jointly built with FRV, the 30MW/60MWh Simo Battery project is scheduled to begin operation in 2024.

As Finland takes on more renewable energy sources to meet carbon neutrality goals by 2035, Sargent & Lundy is helping stabilize the country's grid by supporting the installation of additional battery energy storage systems.

Battery energy storage systems are currently the only utility-scale energy storages used to store electrical energy in Finland. BESSs are suitable for providing FCR and FFR services. BESSs provide rapid reaction times: full power can be achieved in a matter of hundreds of milliseconds [106].

French renewable power producer Neoen SA (EPA:NEOEN) will build a 30-MW/30-MWh energy storage facility in Finland to help stabilise the national electricity system managed by Fingrid.

The Battery Strategy outlines the measures that can help Finland to become an internationally important actor in the battery and electrification sector.

At 30 MW / 30 MWh, Yllikkälä; Power Reserve One will be the first independent, large-capacity battery to be connected to the Finnish grid - It will provide the national electricity system with the benefits of rapid storage to mitigate frequency variations

The new 30 MW energy storage plant - with a storage capacity of 30 MWh - is located in Yllikkälä;, close to the city of Lappeenranta in Southeast Finland. Known as Yllikkälä; Power Reserve One, this first roll-out of lithium-ion stationary batteries in Finland underpins Neoen's leadership in battery-based grid services.

With an installed capacity of 56.4 MW / 112.9 MWh, it is the largest battery in the Nordics; Yllikkälä; Power Reserve Two will provide significant support to the Finnish grid, enhancing its stability and reliability; The battery will be fully operational in the first half of 2025

The battery, which stores heat within a tank of sand, is installed at energy company Vatajankoski's power plant in the town of Kankaanpää;, where it is plugged into ... Thanks to the war in Ukraine, and



Sienergy battery Finland

Finland's subsequent decision to join NATO, Russia has halted all gas and electricity supplies to the Nordic country. Finland gets most of ...

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