

# FINLAND BESS RENEWABLE

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Does RPC have a strong renewables presence in Finland? RPC already has a strong renewables presence in the region, with over 170MW of Finnish onshore wind in operation across three sites. ???BESS applications are crucial for the successful transition of energy services from fossil fuels to green energy solutions,??? said Anton Milner, CEO of ib vogt.



When will the 50mw/50mwh Bess project be built? The 50MW/50MWh BESS project achieved ready-to-build status last year after successful project development by ib vogt. Procurement and construction will be run by RPC, with expected completion in Q4 2025. The project will be built in the municipality of Uusikaupunki, Southwest Finland, on 3 hectares of land.



What is the Bess project? The BESS project is one of the largest of its kind in Finland and is set to provide a variety of services to the nation???'s power infrastructure for the next 30 years. The main applications will be grid services, such as frequency response, but it can also participate in energy trading on wholesale power markets.



Does Finland need battery storage? Steve Hunter, Managing Director of Power Markets and Asset Management at RPC said: ???Finland has a real need for battery storage at the moment, and this deal can play a significant role in providing the grid stabilisation required to support further renewables build-out.



When will Taaleri Energia's Bess project be completed? Taaleri Energia has partnered with Merus Power, which is the developer of the project and is responsible for the turnkey delivery of the BESS. It is expected that construction on the project will be completed by April 2024.

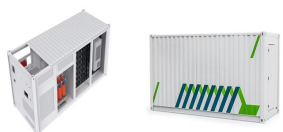
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ib vogt, a leading utility-scale renewables development platform, has finalized the sale of project rights for a 50MW/50MWh Battery Energy Storage System (BESS) in Finland to Renewable Power Capital (RPC), an investor in ???



Technology firm Merus Power ( HEL:MERUS ) has been contracted by Swiss power producer and energy service provider Alpiq to deploy a locally-manufactured 30-MW/36-MWh battery energy storage system ???



The financing will allow the start-up to expand its portfolio to more than 1,000 battery energy storage (BESS) units in the coming years. It had about 50 units at the end of 2023, with the largest currently owned by the company being a 2.5-MWh Cactus One system installed in a logistic centre in Tuusula, Finland.



Netherlands-based Alfen will provide its modular-grid scale BESS product ??? The Battery Elements ??? for the project. It is Alfen's second BESS project in Finland co-located with wind, after it received an order from another independent power producer (IPP) EPV Energy for its Tevu wind farm around a year ago.



The country's renewable energy pipeline is mainly wind, meaning a large ancillary services opportunity. Image: Ilmatar. Battery energy storage systems (BESS) in the Nordics are seeing "extremely attractive revenues", Finland-based optimiser Capalo AI said, as developers SENS and Ilmatar announced 70MW of projects in Sweden.



Global renewable energy developer Fotowatio Renewable Ventures (FRV) has partnered with AMP Tank Finland Oy, a leader in energy storage development, to install a groundbreaking 60-MWh battery energy storage system (BESS) in Finland, located just below the Arctic Circle. This

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collaboration marks the first joint project between the two companies and is ???

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Finland has set itself clear goals in its efforts to improve the climate: the Scandinavian country wants to be net zero by 2035. A key driver of this is the expansion of wind power. By 2035, wind power in Finland is expected to produce 119 terawatt hours (TWh) of renewable power per year. In comparison, this value was 12.5 TWh in 2022.



The 50MW / 110MWh Uusnivala Battery Energy Storage System ("BESS") will provide valuable grid services to support Finland reaching its 2030 renewables targets 1 st August 2024 The L& G NTR Clean Power (Europe) Fund (the "Fund") has successfully completed the acquisition of the ready-to-build Uusnivala BESS project situated in Nivala, Northern ???



Finnish utility Helen is launching a Battery Energy Storage System (BESS) project in Nurmij?rvi, southern Finland. Scheduled for commercial operation in 2025, the 40 MW BESS will be one of the largest battery storage ???

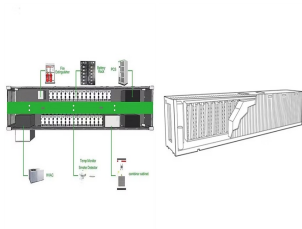


The developer said the project will provide "a variety of services" to Finland's electricity network, including frequency regulation and energy trading in wholesale markets over its expected 30-year lifetime. It marks the first entry into the Finnish battery energy storage system (BESS) market for buyer RPC, which will procure equipment and components as well as ???



The BESS aims to energise in early 2026 after SSE made a final investment decision on the project in November 2023. Image: SSE. The renewable energy arm of utility SSE has begun construction of a 320MW/640MWh battery energy storage system (BESS) in North Yorkshire. When completed, it will be one of the UK's largest BESS.

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Finland's energy transition takes a major step forward with the announcement of a strategic collaboration between Fotowatio Renewable Ventures (FRV) and AMP Tank Finland Oy. The two companies are teaming up to develop their first joint 60 MWh battery energy storage (BESS) project in Simo, a strategic location in the Lapland region near the Baltic Sea.



On 15 October 2024, UB Renewable Energy Fund (AIF) has acquired from the Swiss-Finnish AmpTank Finland Oy a significant majority stake in a project company that will build and operate a 30 MW battery energy storage system (BESS) to be located at Fingrid's Kellarijanka substation in ???



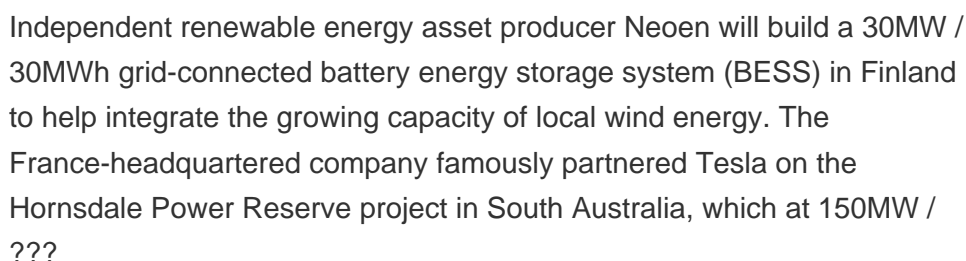
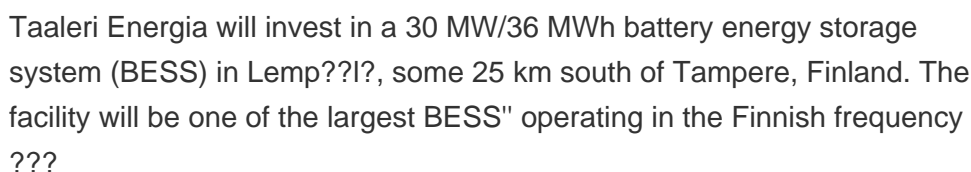
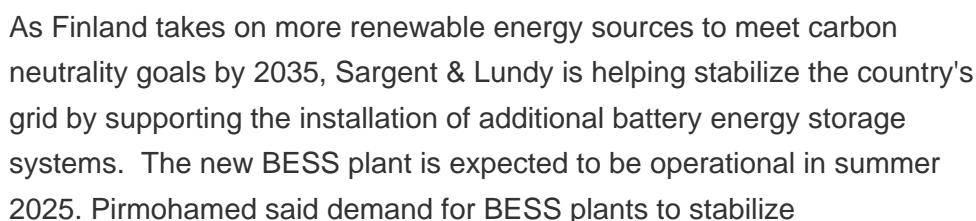
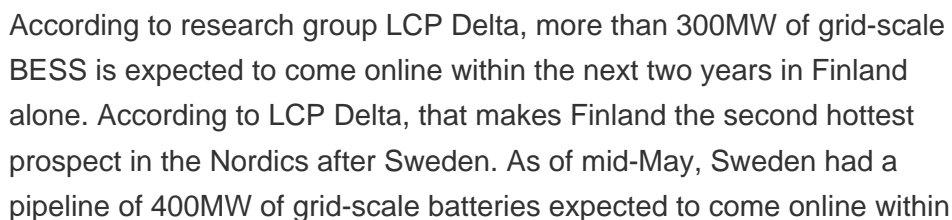
German solar developer ib vogt GmbH has offloaded the rights to a 50-MW/50-MWh battery energy storage system (BESS) project in Finland to London-based renewables company Renewable Power Capital (RPC).



The share of renewable and decentralized energy production is growing significantly in both Finland and Sweden. Progress has been made on this path, as the share of renewable energy sources in Finland increased from 27 percent in 2010 to 42 percent in 2022. Changes in electricity production create pressures on reserve markets.



Developer ib vogt has sold rights to a large-scale 1-hour duration battery storage project in Finland, Europe, to investor Renewable Power Capital (RPC). The sale of the 50MW output, 50MWh capacity project rights comes after Germany-headquartered ib vogt, best known for its utility-scale solar PV development activities, progressed the project in the Southwestern ???



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Unlock revenue potential in Finland's renewable energy landscape; Overcome challenges in BESS development; Ensure smooth transitions between project phases; About the Solarplaza Summit Finland 2024. This event is the only international platform in Finland focused on utility-scale PV and energy storage.



LONDON, 02 July 2024 ??? JLL's Energy and Infrastructure Advisory team acted as exclusive sell-side M& A advisor to Merus Power Plc, a leading Finnish based technology provider, on the 100% sale of a notice-to-proceed (NtP) battery ???



Nidec ASI, part of the Motion & Energy Division of the Nidec Group, has just signed an agreement with Neoen, the leading independent producer of renewable energy in France, for the installation of battery energy storage systems (BESS). The first is located in Finland, near the town of Yllikk?, the second in Sweden, in the region of



While Norway once aimed to be the "battery of Europe" it has since been overtaken other Nordic countries Sweden and Finland for BESS deployments. Research firm LCP Delta's Jon Ferris explores the region's energy storage market dynamics in this long-form article. Although the need for flexibility grows with renewable generation and



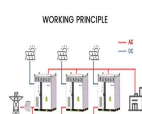
The Uusnivala project is just shy of being largest BESS project being built currently in the Nordic country, which at present would be a 56.4MW/112.9MWh system from IPP Neoen (Premium access article).OX2 didn't reveal when the project is expected to come online. The BESS will participate in Finland's ancillary service and wholesale energy markets, being ???



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Renewable Energy's Impact Grows. The transition of energy system from fossil fuels to renewable energy sources is placing new demands on the power grid and electricity markets. The share of renewable and ???



The project is the successor to a 30MW/30MWh BESS Neoen already operates in Finland. IPP Neoen has started construction on a 2-hour 56.4MW/112.9MWh BESS in Finland, in the context of market dynamics which optimiser Capalo AI explained to Energy-Storage.news.. The Paris-headquartered independent power producer (IPP) announced construction on the ???

114KWh ESS



Aquila Clean Energy has commenced construction of a 50 MW / 50 MWh standalone battery energy storage system (BESS) project in the city of Kotka, in southern Finland. Once operational, the project ??? which is being developed from greenfield ??? will have the capacity to supply 120,000 households with electricity for one hour.



A render of the project that Merus Power will deploy for Alpiq. Image: Merus Power. Startup Capalo AI will optimise a Finland BESS project owned by investor Ardian while Merus Power, which is providing the BESS for that project, has received a separate order from Switzerland's Alpiq for a similarly sized one.



FRV said earlier this week (5 November) that it has entered the Finnish BESS market through a strategic JV with AMP Tank Finland, a developer of energy storage systems in the Nordic and Baltic regions of northern Europe. The project, in the municipality of Simo ??? part of the Lapland province ??? is around 100km from the Arctic Circle.