



## Finland's liquid flow battery peaking power station

Is this Finland's largest battery energy storage system? Swedish flexible assets developer and optimizer Ingrid Capacity has joined hands with SEB Nordic Energy's portfolio company Locus Energy to develop what is claimed to be Finland's largest and one of the Nordics' largest battery energy storage systems (BESS). The 70 MW/140 MWh BESS project will be located in Nivala, northern Finland. How will a new battery energy storage system help the Finnish grid? After the start of commercial operations in , the project will contribute an important balancing function to the Finnish grid, supporting the Finnish renewable energy expansion. The groundbreaking ceremony took place in the afternoon on Monday the 26th of May on the site near Nivala where the battery energy storage system will be built. Are energy storage systems a solution to Finland's energy transition? Energy storage systems offer a solution. "This groundbreaking is an important moment for Finland's energy transition and a concrete step toward a more flexible, resilient, and decarbonized energy system," said Jussi Jyrinsalo, Senior Vice President at Fingrid. When will the energy grid project start in Finland? The project proponents have confirmed that the construction works will start in March . The project, which is one of the largest of its kind in Finland, will provide grid services including frequency response and will be able to participate in energy trading on wholesale power markets. What is the Nivala battery energy storage system? The Nivala battery energy storage system marks the second collaboration project between Locus Energy and Ingrid Capacity. How many Sungrow powertitan batteries will be installed? The first phase will install 24 Sungrow PowerTitan battery arrays, offering 60 MWh capacity. The site is located near the Fingrid Simojoki substation in Lapland, just 100 km below the Arctic Circle. A second phase is under discussion, potentially expanding the project's capacity to 200 MWh. The energy storage facility delivered by Merus Power to Lappeenranta, Finland, has been completed and put into market use on 15 May . Groundbreaking ceremony marks May 27, &#x2013; SEB Nordic Energy's portfolio company Locus Energy, in collaboration with Ingrid Capacity, proudly announces the groundbreaking of one of Finland's largest battery energy storage system (BESS) in Nivala One of Finland's largest energy storage facilities May 16, &#x2013; Benjamin Kennedy, Managing Director Infrastructure - Renewables, Ardian, said: "The completion of Mertaniemi is a major milestone for us, representing the Ardian Clean Foundation stone laid for one of Finland's largest battery May 27, &#x2013; The continued development of Finland's renewable energy production, mainly through wind power, is in line with the national energy strategy, which aims to achieve carbon The world's largest 100MW all-vanadium liquid flow battery The power station is the first phase of the &quot;200MW/800MWh Dalian Redox Flow Battery Energy Storage Peaking Power Station National Demonstration Project&quot; and is the first 100MW large Finland's Largest Battery Storage Begins Mar 5, &#x2013; Finland's authorization of its largest battery-storage project marks a pivotal point in the renewable energy landscape. As energy stakeholders anticipate the completion of the Nivala-based infrastructure, FRV and AMP Tank Partner for First Joint Nov 5, &#x2013; The first joint BESS 60 MWh site in Simo, Finland, located at the top of the Baltic Sea, just over 100 kilometers below the



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Arctic Circle. Finland to host 240 MWh of new BESS Mar 11, &#x2013; Swedish flexible assets developer and optimizer Ingrid Capacity has joined hands with SEB Nordic Energy's portfolio company Locus Energy to develop what is claimed to be Finland's largest and one Powering Finland's Future - Fingrid and Jun 18, &#x2013; The day also provided an excellent opportunity for open dialogue on the future of Finland's electricity system. In these discussions, Kari Tuomala was joined by Jonna Kannosto, Director of Communications 100 MW Liquid Flow Battery Energy Storage and Peaking Power Station Nov 17, &#x2013; The first phase of a mega power storage project has been put into operation in Dalian and connected to the grid. With a final storage capacity of 400 MWh, the Dalian Reliability in Extreme Latitude: Sungrow Deploys 60MWh Battery May 16, &#x2013; Sungrow's PowerTitanis a liquid-cooled BESS, designed for utility-scale applications. The battery system delivers extremely high reliability and efficiency under Groundbreaking ceremony marks commencement of one of Finland's May 27, &#x2013; SEB Nordic Energy's portfolio company Locus Energy, in collaboration with Ingrid Capacity, proudly announces the groundbreaking of one of Finland's largest battery energy Finland's Largest Battery Storage Begins Construction Mar 5, &#x2013; Finland's authorization of its largest battery-storage project marks a pivotal point in the renewable energy landscape. As energy stakeholders anticipate the completion of the FRV and AMP Tank Partner for First Joint BESS 60 MWh in Finland Nov 5, &#x2013; The first joint BESS 60 MWh site in Simo, Finland, located at the top of the Baltic Sea, just over 100 kilometers below the Arctic Circle. Finland to host 240 MWh of new BESS projects Mar 11, &#x2013; Swedish flexible assets developer and optimizer Ingrid Capacity has joined hands with SEB Nordic Energy's portfolio company Locus Energy to develop what is claimed to be Powering Finland's Future - Fingrid and Merus Power Jun 18, &#x2013; The day also provided an excellent opportunity for open dialogue on the future of Finland's electricity system. In these discussions, Kari Tuomala was joined by Jonna Reliability in Extreme Latitude: Sungrow Deploys 60MWh Battery May 16, &#x2013; Sungrow's PowerTitanis a liquid-cooled BESS, designed for utility-scale applications. The battery system delivers extremely high reliability and efficiency under

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