

# Svalbard and Jan Mayen solar battery energy storage system

UK-headquartered utility Centrica has acquired a 100MW battery energy storage system (BESS) portfolio in Sweden from Swiss developer and independent power producer (IPP) Fu-Gen AG.

Among the topics the parties will work closely on in the future are local energy production, with a focus on solar, wind and geothermal heat, future energy storage where batteries, thermal and renewable energy carriers are the focus areas, and management of hybrid energy solutions.

Explore the synergy of Synchronous Condensers (SCs) in power grids with Battery Energy Storage Systems (BESS) for enhanced grid stability.

Saft has won a turnkey contract for a 7MWh battery energy storage system (BESS) in a Norwegian archipelago which it claims is the largest in the Arctic, although much larger projects near the polar circle have progressed recently too.

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Store Norske Energi, a state-owned energy company based in Longyearbyen, is testing whether solar energy could be used to transition Spitsbergen to emissions-free, hybrid energy. The company has installed 360 solar panels along with a battery bank and thermal storage system at Isfjord Radio, an old shipping radio station.

Investing in energy storage technologies could be key for governments to avoid the precarity of overreliance. A BES technology that has evolved into large-scale market production is the lithium-ion (Li-ion) battery. It has high energy density and efficiency, as it can remain charged for longer than other battery types.

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The UK's Green Nation has unveiled plans for a solar and energy storage project, aiming to contribute up to 750MW to the country's National Grid. Called Whitestone Solar Farm, the solar facility is located between Rotherham and Doncaster in South Yorkshire and is in the preliminary stages of development.

To mark the growing importance of energy storage, PV Tech, its sister website Energy-Storage.news and Huawei have teamed up on a special report exploring some of the state-of-the-art...



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Work is underway on a 100MWh thermal energy storage project in Finland, using the same "Sand Battery" technology as a 8MWh system that came online in 2022. The project is being built for district network heating operator Loviisan L&#228;mp&#246; at a location in Pornainen, near Helsinki, and will supply thermal energy for Loviisan's network.

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