

Saint kitts and nevis battery storage

Swiss energy storage company Leclanché; has broken ground on a US\$70 million solar and storage microgrid project in St Kitts and Nevis.

The system will include a 35.7MW solar farm and a 14.8MW lithium-ion battery energy storage system (BESS) with a capacity of 45.5MWh, providing state-owned utility St Kitts Electric Company (SKELEC) with roughly a third (30%-35%) of the island's energy supply. Leclanché; claims it will be the Caribbean's largest solar-plus storage project on completion, and will eliminate 41,500 metric tonnes of carbon emissions in its first year.

Timothy Harris, Prime Minister of St Kitts and Nevis, said the build is a "significant milestone" for the region, which will help the island to create a more independent energy market and reduce reliance on fossil fuels.

The solar farm will stand on disused agricultural land that had been used for sugar cane production near the capital Basseterre. Leclanché; secured a 20-year lease on the land last year, and SKELEC signed a 20-year power purchase agreement (PPA) with the firm in exchange. Leclanché; CEO Anil Srivastava said at the time the build "sends a strong signal to other Caribbean countries; that there is a cleaner, more cost-efficient and viable alternative to diesel power."

The announcement comes exactly one year after a group of Caribbean and Latin American states, including the Dominican Republic and Haiti, committed to ensure an average 70% of installed energy capacity comes from renewable sources by 2030.

"Today's groundbreaking marks a significant milestone for our citizens, tourist economy, our broader business community and indeed the entire Caribbean region, despite the delays caused by COVID-19," Harris said.

"This visionary project will help secure our energy independence, provide long-term price stability and reduce our reliance on diesel fuel."

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BASSETTERRE, St. Kitts and Nevis and YVERDON-LES-BAINS, Switzerland, 4th December, 2023 - Leclanché SA, one of the world's leading energy storage companies, will provide the island of St. Kitts with



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35.7 MW of solar capacity and 43.6 MWh of battery storage. The Government of St. Kitts and Nevis, along with SKELEC, the state-owned St. Kitts Electricity Company Ltd, have executed an amended Power Purchase Agreement (PPA) with SOLEC Power Ltd, a subsidiary JV of Leclanch?, for the solar photovoltaic and battery storage project located in Basseterre. The installation consists of a fully integrated solar photovoltaic system (solar field) and a lithium-ion battery energy storage system (BESS) utilising Leclanch?"s proprietary energy management system (EMS) software.

"This agreement underscores our shared vision for a greener, more sustainable future for the people of St. Kitts and Nevis. Partners such as Leclanch?, who can provide the highest quality integrated solar and storage systems, which can withstand the tropical and marine climate conditions and provide clean renewable energy for decades to come, are key to putting St. Kitts at the leading edge of renewable energy integration worldwide", said Honorable Konris Maynard, Minister of Energy and Infrastructure of St. Kitts and Nevis.

"In this momentous collaboration with the Government of St. Kitts and Nevis, Leclanch? reaffirms its commitment to being a positive force for change. This landmark contract showcases our capability to deliver robust, state-of-the-art energy solutions globally, reflecting the immense trust in our technology and industry-leading expertise. At the core of this historic partnership is the recognition of our unique ability to redefine expectations and provide sustainable energy solutions. Our value model, emphasizing innovation, efficiency, and sustainability, ensures that we not only meet but exceed our clients" needs.

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