



# School energy storage suriname

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HSW Energy is proud to have contributed to the sustainable development of the STES Moengo Tapu school campus by installing a comprehensive solar panel system. This project exemplifies our commitment to harnessing renewable energy to power educational facilities, ensuring a reliable and environmentally friendly energy source.

The installation features:

This project at STES Moengo Tapu underscores HSW Energy's dedication to empowering communities with sustainable energy solutions that support education and environmental stewardship.

Twelve remote villages in the Suriname forest now have access to uninterrupted power thanks to a new microgrid. The microgrid is the first to be handed over as part of the second phase of the Suriname Village Microgrid Photovoltaic Project.

Suriname is a small and ethnically diverse country located on the Atlantic coast of South America, just north of Brazil. It is one of the top global producers of bauxite, a sedimentary rock that is the world's primary source of aluminum.

While much of the country's population has access to reliable electricity, thousands living in the country's remote forest region, far from Suriname's electric infrastructure, have power for just a few hours each day.

The Suriname Village Microgrid Photovoltaic Project aims to solve that problem by providing these villages with continuous power 24 hours a day.

The first phase of the project was initiated in 2019 when the Suriname government contracted with Power Construction Corporation of China (POWERCHINA), a Chinese state-owned electric power engineering and construction company, to design and build remote microgrid projects for two remote villages. Completed in 2020, these systems feature 650 kW of solar photovoltaics and 2.6 MWh of energy storage.

The second phase of the project, also to be completed by POWERCHINA, will see five additional microgrids built, providing uninterrupted power to 34 forest villages along the Suriname River.

The microgrids will "bring a more stable and reliable power supply to the covered villages, which is of great significance to improving the quality of life of villagers and promoting local economic



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development,&rdquo; Chandrikapersad Santokhi, president of the Republic of Suriname, said in a statement.

The first site in phase two was recently handed over and powers 12 villages with more than 1,500 inhabitants. The microgrid is described as a &ldquo;small power generation and distribution system&rdquo; that includes solar, energy storage and diesel generation hybrid energy.

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