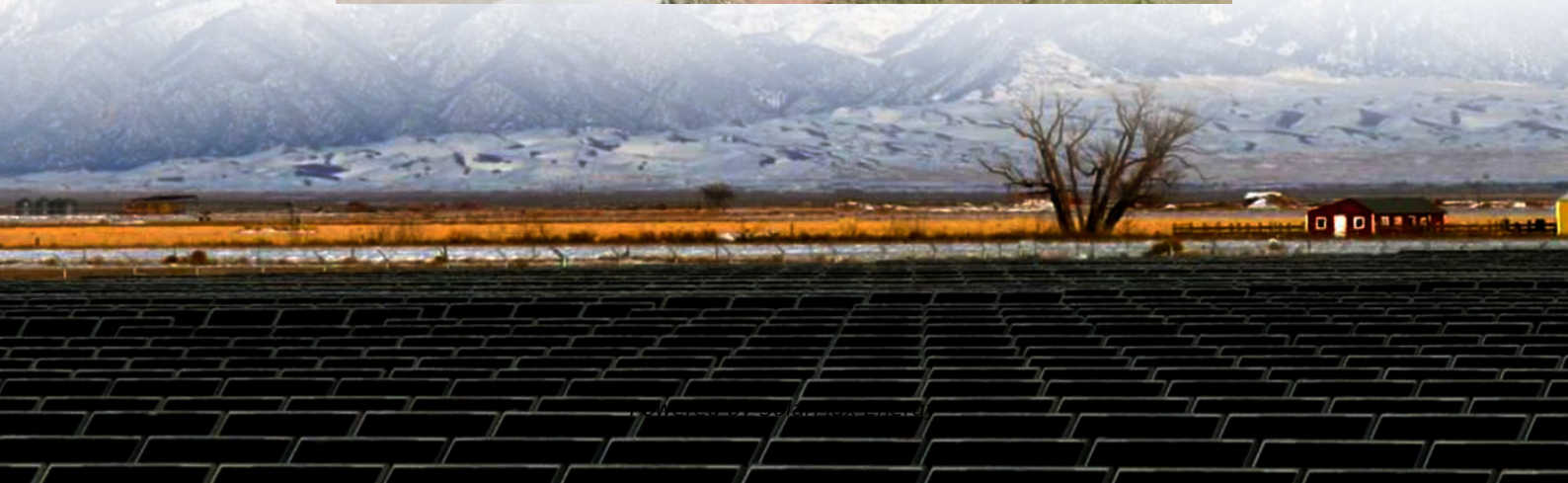


Samoa Photovoltaic Energy Storage Power Generation Project





Overview

MANILA, PHILIPPINES (10 December 2024) — The Asian Development Bank (ADB) has signed a transaction advisory services agreement with Samoa's Electric Power Corporation (EPC) to support the development of a solar photovoltaic and battery energy storage systems with installations planned for the country's two largest islands, Upolu and Savai'i. Why should American Samoa invest in solar energy?

Positioned less than 1,000 miles south of the equator, American Samoa is uniquely positioned to harness its abundant solar energy resources. BESS projects will be critical for American Samoa to achieve its renewable energy goals by maximizing solar utilization, reducing dependence on imported fuels, and ensuring a safe, reliable grid.

Why did the American Samoa power authority choose eastern power solutions?

The American Samoa Power Authority selected Eastern Power Solutions with the EVLO 1000 BESS to enhance the delivery of safe, reliable, and clean power to the local community. ASPA is a development-oriented public utility providing electricity, water, wastewater, and solid waste services to about 50,000 residents.

What is Samoa's energy mandate?

The mandate also includes addressing critical environmental, social, and gender considerations to ensure the project's sustainability and inclusiveness. Samoa currently relies on imported fossil fuels for approximately 69% of its electricity generation, leaving the country vulnerable to volatile oil prices.

How does Samoa's energy system work?

ed integration of innovative distributed energy solutions across its service territory. Currently, Samoa's energy portion of the tariff sees its highest cost kWhs coming from energy supplied through its diesel resources. The Samoan Government has an established goal of 70% renewable energy generati



Samoa Photovoltaic Energy Storage Power Generation Project



EVLO Commissions First of Three Energy Storage Projects in American Samoa

In collaboration with Eastern Power Solutions (EPS), a turn-key solar energy service provider, the solar-plus-storage projects will support American Samoa Power ...

EVLO Completes Commissioning of First of Three Energy Storage Projects

Constructed by Eastern Power Solutions, the solar-plus-storage projects will provide 10 MW / 20 MWh of critical clean capacity for the American Samoa grid.



EVLO Announces Commissioning of First of Three Solar-Plus-Storage

EVLO Energy Storage (EVLO), a BESS provider and wholly owned subsidiary of Hydro-Quebec, has completed commissioning of a 4-MW, 8-MWh, 2-hour duration energy ...

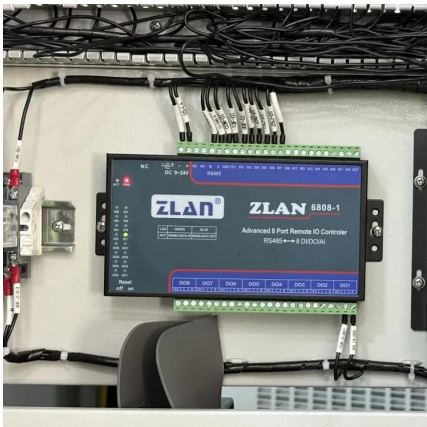
ADB, Samoa Sign Landmark Agreement for Solar Power Projects

ADB has signed a transaction advisory services agreement with Samoa's Electric Power Corporation (EPC) to support the development of a solar photovoltaic and battery ...



[Ta'u, American Samoa, Changed From Diesel to ...](#)

How a Pacific Island Changed From Diesel to 100% Solar Power The island of Ta'u in American Samoa now boasts a solar microgrid from ...



[American Samoa Territory Energy Profile](#)

American Samoa is less than 1,000 miles south of the equator and has abundant solar energy resources. 57, 58 In 2023, solar power accounted for about 11% of American ...



[Samoa Observer , EPC to set up solar farms](#)

Incorporating cutting-edge battery energy storage systems, the project will improve grid reliability by mitigating intermittencies associated with renewable energy sources. The ...





Samoa launches renewable energy initiative

The initiative will involve the expansion of solar farms, battery storage systems, and energy efficiency programs to support domestic and ...



EVLO commissions first of three BESS projects in American Samoa

Image: EVLO System integrator EVLO Energy Storage (EVLO) has completed commissioning of a 4MW/8MWh battery energy storage system (BESS) in American Samoa. ...

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solar energy storage samoa

Tesla, SolarCity Powering entire Island of Ta'u in American Samoa with solar power SolarCity with Tesla powers an entire U.S. island with solar energy SolarCity in a blog notes that Ta'u ...



[EVLO completes commissioning of first of three ...](#)

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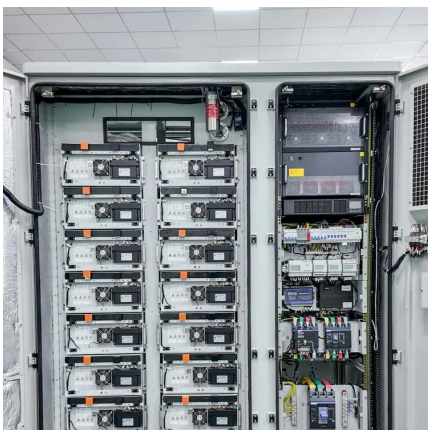


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[EVLO Completes First BESS Project in American Samoa](#)

EVLO Energy Storage Inc. (EVLO), a fully integrated battery energy storage systems (BESS) provider and wholly owned subsidiary of Hydro-Québec, has announced the ...



EVLO Energy Storage Completes First Battery Storage System Project ...

EVLO Energy Storage Inc. (EVLO), a fully integrated battery energy storage systems (BESS) provider and subsidiary of Hydro-Québec, has successfully commissioned its ...



Samoa Photovoltaic Energy Storage Principle

The power of photovoltaic power generation is prone to fluctuate and the inertia of the system is reduced, this paper proposes a hybrid energy storage control strategy of a photovoltaic DC ...



Samoa Observer , EPC to set up solar farms

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U.S. Energy Information Administration

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Evlo deploys grid-scale batteries in two American Samoa islands ...

The first of three storage projects is completed, enabling the island to integrate its solar energy production and enhance grid reliability. Evlo Energy Storage Inc, a subsidiary of ...



Government of the Independent State of Samoa through the ...

The information developed through this EOI will be used to evaluate the market interest for IPP-led development of renewable energy generation and storage for Samoa, to be procured by EPC.



[Samoa launches renewable energy initiative](#)

The initiative will involve the expansion of solar farms, battery storage systems, and energy efficiency programs to support domestic and commercial energy needs. Samoa ...



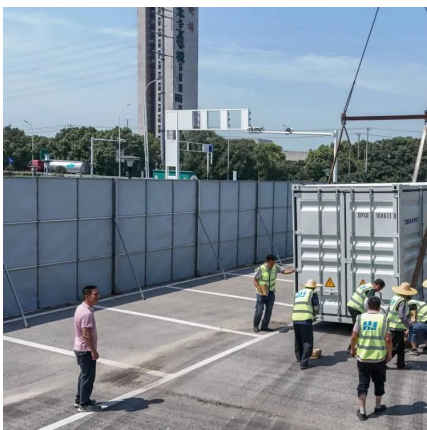
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EVLO Completes Commissioning of First of Three Energy Storage Projects

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ADB & Samoa Sign Landmark Agreement for Solar Power Projects

The project is expected to represent a capacity of up to 40 megawatts of solar and 40 megawatt-hours of batteries and will be cornerstone of Samoa's efforts to achieve 70% ...

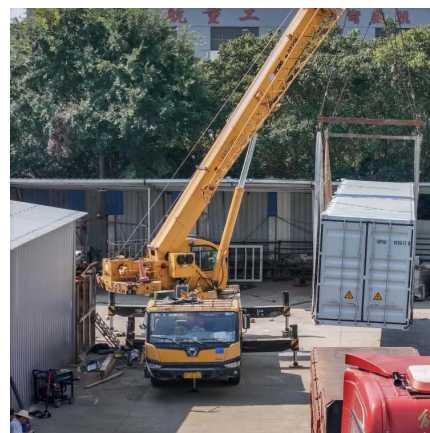


EVLO Completes Commissioning of First of Three Energy Storage Projects

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Renewable Energy Strategic Action Plan For American Samoa

Since then ASREC has written a Strategic Energy Plan for the Territory as well as an Energy Action Plan, outlining specific tasks to achieve energy independence, while following an ...



Evlo deploys grid-scale batteries in two American Samoa islands - pv

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Samoa Photovoltaic Energy Storage Lithium Battery

The Fiaga Power Station - Battery Energy Storage System is a 6,000kW energy storage project located in Samoa. The market for battery energy storage is estimated to grow to \$10.84bn in ...



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