

Samoa purchases wind power for solar container communication stations





Overview

Why is Samoa launching a solar power project?

The project is part of Samoa's broader commitment to combat climate change and achieve energy independence. The new solar power project, developed with funding from international development partners including the Asian Development Bank (ADB), is expected to stabilise energy costs and increase energy security.

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 generation.

Does Samoa have a solar farm?

The expanded solar farm is projected to generate 9.6 gigawatt-hours of clean energy annually and reduce carbon dioxide emissions by 1,944 tons each year. SPEL, Samoa's first independent power producer (IPP), operates under a 20-year power purchase agreement with the government-owned Electric Power Corporation.

What is Samoa's 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 currently relies heavily on imported diesel for electricity generation, making it vulnerable to fluctuating global oil prices.



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[Samoa Boosts Solar Capacity with ADB-Backed Upgrade](#)

Aug 25, 2025 · Samoa boosts solar power with a \$2.8M ADB loan, increasing capacity by 50% using bifacial modules, cutting diesel imports, and stabilizing energy costs.

[Government of the Independent State of Samoa through ...](#)

Jul 12, 2024 · 1.1. Background The Electric Power Corporation (EPC) was established in December 1972 and is an autonomous Government owned corporation. EPC is responsible ...



[ADB, Samoa Sign Landmark Agreement for Solar Power ...](#)

Dec 10, 2024 · 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 ...

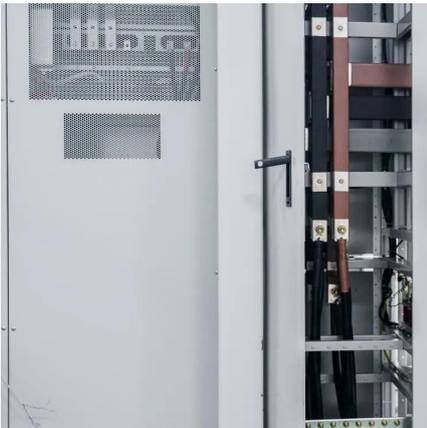
[Samoa 2MW Wind and Solar Energy Storage Project ...](#)

Summary: Explore how Samoa's innovative 2MW hybrid renewable energy project combines wind, solar, and advanced battery storage to achieve energy independence. Discover its ...



[ADB and SPEL Enter \\$2.8M Deal to Boost Solar Energy in Samoa](#)

Nov 10, 2025 · ADB and SPEL sign \$2.8M loan to expand Samoa's Upolu Solar Farm, delivering 9.6 GWh annually and supporting the nation's renewable energy and climate goals.



[Samoa launches renewable energy initiative](#)

Feb 4, 2025 · Samoa has launched an ambitious renewable energy initiative aimed at reducing reliance on fossil fuels and transitioning to 100 per cent renewable electricity generation by ...



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ADB and Sun Pacific Energy Partner on \$2.8M Solar Expansion in Samoa

Aug 25, 2025 · The financing will support the upgrade and expansion of SPEL's Upolu Solar Farm, originally partly funded by ADB in 2017, through the installation of higher-efficiency solar ...



ADB, Sun Pacific Energy Ltd sign 2.8 mln USD deal to boost solar power

MANILA, Aug. 25 (Xinhua) -- The Asian Development Bank (ADB) on Monday said it and power producer Sun Pacific Energy Ltd (SPEL) have signed a loan of 2.8 million U.S. dollars to help ...

[Wind Power Energy Storage Projects in Samoa Pioneering ...](#)

SunContainer Innovations - Samoa, a Pacific island nation, is embracing wind power energy storage projects to reduce fossil fuel dependence and achieve its 100% renewable energy ...



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