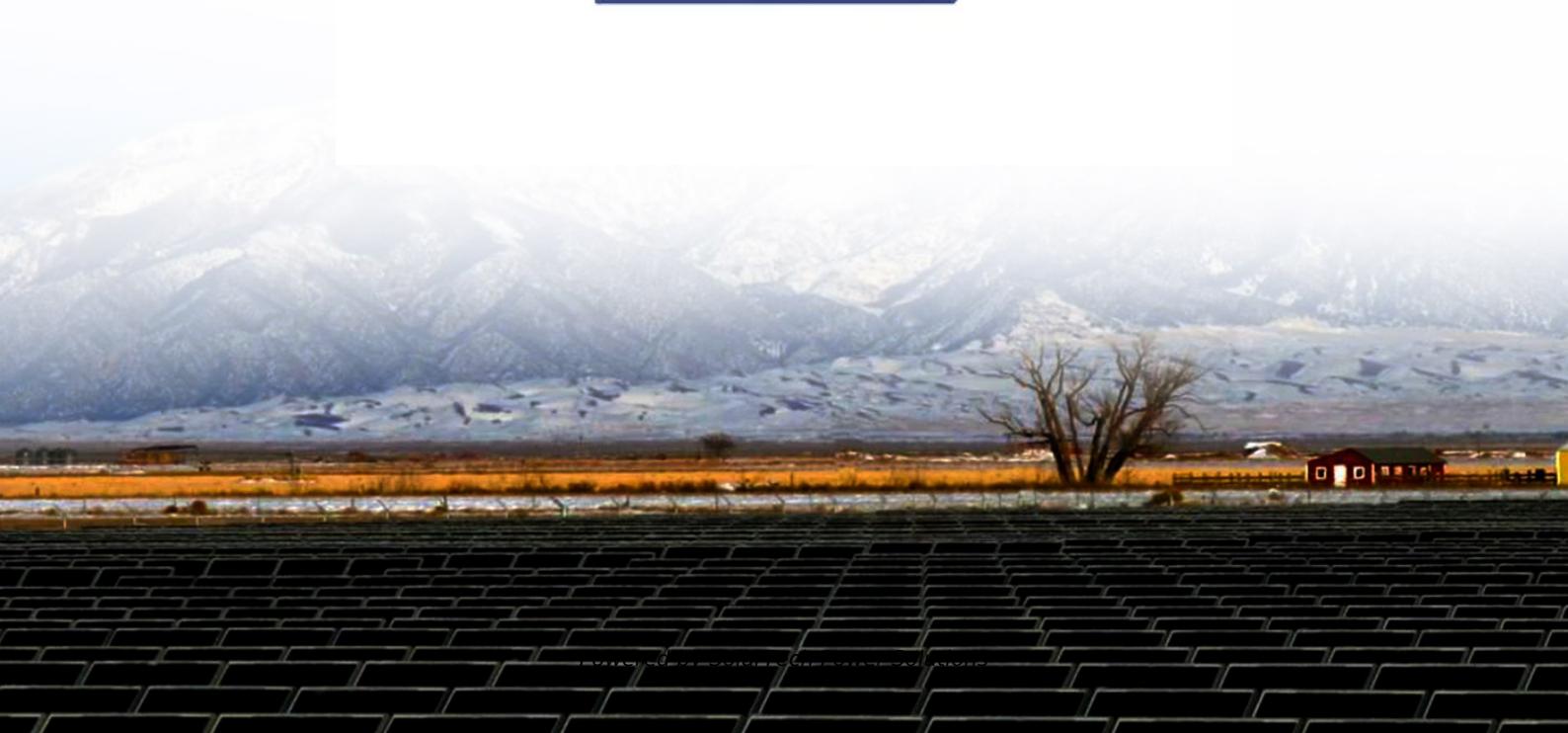




**SolarTech Power Solutions**

# **Full system after Palau energy storage equipment**



## Overview

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What is the optimal power system for Palau?

The optimal system includes the current power system together with additional renewable capacity coupled with battery storage. The results of the optimisation show that Palau's current power system is dominated by diesel generation, with renewable energy only taking a small share (just 4%).

Does Palau have a renewable power system?

The results of the optimisation show that Palau's current power system is dominated by diesel generation, with renewable energy only taking a small share (just 4%). With more deployment, however, the share taken by renewables could potentially increase to more than 92%. This corresponds to the lowest average system LCOE.

Does Palau rely on fossil fuels?

As a small island developing state, the Republic of Palau sought to wean itself off its dependence on fossil fuel for power, which accounts for 99.7% of the country's power generation. To address this issue, Palau invited Solar Pacific Energy Corporation (SPEC), Alternergy's solar developer, to develop a clean, renewable energy source.

Does Palau have a battery storage system?

As there is no battery storage system currently present in Palau, the panels can only generate throughout the day when the sun is available, and no electricity can be stored for later use. Furthermore, the figure also confirms that Palau's current power system is widely dominated by fossil fuel generation.

What is the Palau solar battery project?

The Palau Solar Battery Project will be the largest such project in the Western Pacific. It will lessen Palau's imported fuel dependency, a major step towards

its ambitious goal of 100%.

Does Palau have a solar PV system?

The model included large amounts of diesel generation, with a minimal share of renewable energy coming from the solar PV systems currently present in Palau.

## Full system after Palau energy storage equipment

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