

## ContainerPower Energy Solutions

# Kiribati solar module project construction



## Overview

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The Asian Development Bank (ADB) joined the Government of Kiribati and other development partners in a groundbreaking ceremony today to officially mark the first step toward the construction of the largest solar photovoltaic plant in Kiribati. Kiribati Minister of Infrastructure and Sustainable.

Kiritimati Island, the world's largest coral atoll and a key development hub for Kiribati with a rapidly growing population (currently roughly 8,000 people), has a dilapidated electricity micro-grid plagued by blackouts/brownouts and extending to only 40 percent of the island's population.

This analysis examines the strategic decision at the heart of such a venture: should a new solar module factory focus exclusively on supplying the domestic market in Kiribati, or should it be positioned as an export hub for neighboring Pacific Island nations?

The answer rests on a careful.

Installation of solar off-grid system at the KPF Complex building in Kiritimati Island. Successfully Completed Installation, operation and maintenance of

Solar mini-grid at the remote islets of Tebikerai and Nuotaea complemented with RO system for producing freshwater in the two remote islets.

Imagine living on islands where diesel generators guzzle \$0.85/kWh fuel while seawater creeps into freshwater lenses. That's Kiribati's reality - 33 coral atolls facing energy poverty and climate threats simultaneously. With 70% of urban households experiencing daily blackouts during peak hours. Is Kiribati launching a solar PV project?

The Oceania located nation of Kiribati has started construction on the country's largest solar PV project that's backed by the Asian Development Bank and the Government of New Zealand. It will be accompanied by a battery energy storage system (BESS). The 7.5 MW South Tarawa Renewable Energy Project (STREP) is located on the Bonriki water reserve.

Who owns solar power in Kiribati?

The government-owned Public Utility Board supplies diesel generated power in South Tarawa. The Kiribati Solar Energy Company provides electricity to outer islands through solar home systems. Initially formed in 1984 by an NGO, the company is now owned entirely by the government. There is little private sector involvement.

Will solar panels reduce Kiribati's dependence on imported fuel?

Tarawa Kiribati, September 23, 2016 - Large-scale solar panels installed at four government owned facilities were officially unveiled today as part of a new World Bank project designed to reduce Kiribati's dependence on imported fuel.

Who is behind the STREP project in Kiribati?

Pictured are ADB and local government representatives at the groundbreaking ceremony of the STREP project in Kiribati. (Photo Credit: Asian Development Bank) The Oceania located nation of Kiribati has started construction on the country's largest solar PV project that's backed by the Asian Development Bank and the Government of New Zealand.

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