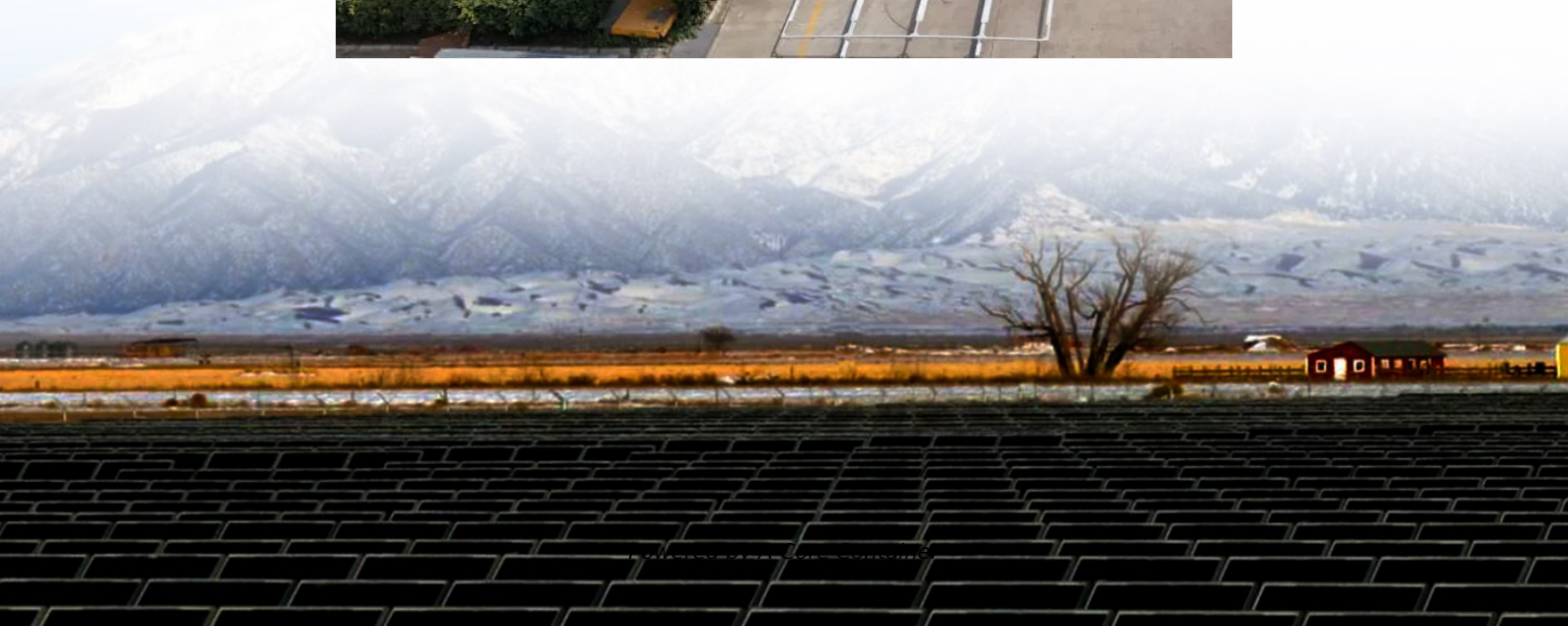


A-Core Container

Tonga Micro Solar Power Generation System



Overview

Tonga is making tangible progress toward its renewable energy targets with the rollout of solar-powered mini-grid systems across its outer islands, in a bold move to reduce its dependence on expensive diesel imports and improve electricity access for remote communities.

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Part of Polynesia, in the Pacific Ocean, 700km south of Fiji, 1200km north of New Zealand. 169 islands, 36 inhabited. 107,000, 74% residing in Tongatapu (main island). One of three most vulnerable countries in the world (due to geographical location). Small and based primarily on agriculture.

A \$53.2 million minigrid was commissioned on Niuafu'ou, Tonga's northernmost island, to provide clean, reliable power 24 hours a day. In Micronesia, Yap island seeks bids on a 79 kW solar plus storage minigrid system. A new hybrid minigrid that will provide clean, reliable and efficient energy.

The Tonga Outer Island Renewable Energy Project (OIREP) will construct Solar Photovoltaic (PV) power plants on 8 outer islands. The "on-grid" portion will be allocated to Ha'apai and 'Eua, while the "off-grid" portion will incorporate 'Uiha, Nomuka, Ha'ano, Ha'afeva, as well as Niuatoputapu and.

His Majesty, King Tupou VI commissioned the Niuatoputapu Solar Hybrid System & Mini Grid on July 26, 2023. The project is part of the Outer Islands Renewable Energy Project (OIREP), which is a \$28 million initiative to promote renewable energy transition and reach 100% electricity accessibility in.

Nevertheless, the Kingdom of Tonga is planning to move forward with its energy policy and the Implementation of Tonga Energy Road Map (TERM) with a goal of 50% renewable energy by 2020. It wants to be part of the technological development of renewable and sustainable energy and improve their energy.

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