

## European Solar and Energy Storage Solutions

# St Vincent and Grenadines smart grid project



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### ST. VINCENT AND THE GRENADINES



This is the Energy Report Card (ERC) for 2022 for St. Vincent and the Grenadines. The ERC provides an overview of the energy sector performance, highlighting the following areas:

- o Installed Conventional and Renewable Power Generation Capacity
- o Annual Electricity Generation, from Conventional and Renewable Plants

### Caribbean Renewable Energy Fund

Located on Union Island, the 600kW solar PV plant is connected to a 637 kilowatt-hour (kWh) lithium-ion battery, extending its generating capacity to supply all of Union Island's daytime power requirements. The project represents Masdar's first fully implemented grid-connected battery energy storage system.

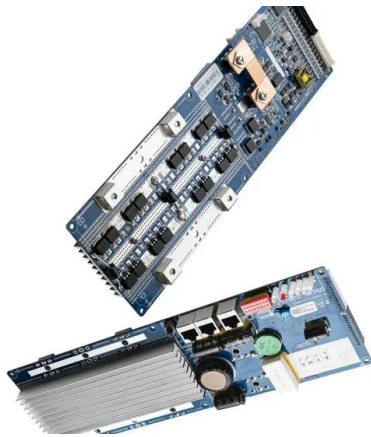
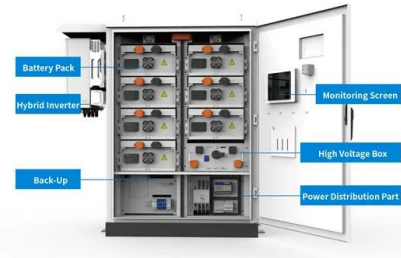


### Development bank support for solar on St Vincent and Grenadines

Renewables in St Vincent and the Grenadines. The first solar in St Vincent and the Grenadines was a 177kW grid tied PV system commissioned at Vinlec's Cane Hall Engineering Complex on St Vincent in 2013, which was ...

## Volunteer Abroad With Purpose With Richmond Vale Academy

Energy Globe National Award for Saint Vincent and the Grenadines 2019 Awarded prize for the Biogas Project. Energy Globe National Award for Saint Vincent and the Grenadines 2018 Awarded prize for the Pass-It-On Sustainable Model Garden Project for St. Vincent and the Grenadines. Energy Globe National Award for Saint Vincent and the Grenadines 2016



## ComAp - Sustainable & resilient power for a remote island (The Grenadines)

In this project, ComAp has collaborated with: VINLEC, a local energy utility. The Rocky Mountain Institute, an NGO that transforms global energy systems. Amandla Engineering, a local ComAp solutions partner. The Challenge. The island of Mayreau is a tropical paradise in St. Vincent and the Grenadines.

## St. Vincent and the Grenadines

Energy Action Plan for St. Vincent and the Grenadines - First Edition 6 II. Current Situation 2.1 Fuel imports and energy costs Saint Vincent and the Grenadines (SVG) has a population of 100,272 (2006 estimate)<sup>1</sup> inhabitants, with approximately 92,000 of those living on the main island, St. Vincent.



## Commissioning Of US\$3 Million Solar PV And Battery ...

The Commissioning of the Union Island Solar PV and Battery Energy Storage System on Monday

25th March 2019 has been hailed as a significant milestone in the energy sector of Saint Vincent and the Grenadines.



## Mayreau solar project in final stage

The Mayreau Microgrid Solar Project is in its final stage, which is the testing and commissioning of the solar photovoltaic (PV) and Battery Storage system. St. Vincent Electricity Services Limited (VINLEC) and the Rocky ...

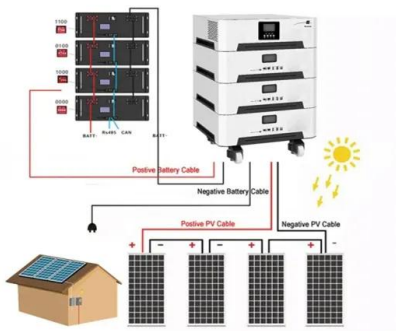


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## ST. VINCENT AND THE GRENADINES ON A PATH OF ...

ST.VINCENT VINLEC owned 187KW Government Owned 13.3KW Privately owned 70.8 KW TOTAL 271 KW POWER GENERATED BY PHOTOVOLTAIC SYSTEMS IN BEQUIA(largest Grenadines Island) Government Owned 75.9KW Privately owned 85.0KW TOTAL 160.0 KW Table 1: Photovoltaic Systems in St. Vincent- 2014 (source VINLEC, Dr.Vaughn Lewis, 2014)

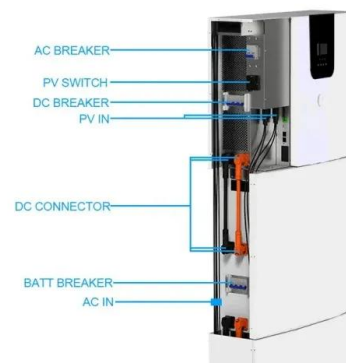


## 2017 ENERGY REPORT CARD ST. VINCENT AND THE ...

Energy Report Card Input Data 2017 (completed for St Vincent and the Grenadines). 9 Calculated using generation and population figures. 10 Calculated using total energy supply and GDP. 11 Government of St Vincent and the Grenadines. (2015). St. Vincent and the Grenadines Intended Nationally Determined Contribution. Retrieved from

## Mayreau solar project in final stage

The Mayreau Microgrid Solar Project is in its final stage, which is the testing and commissioning of the solar photovoltaic (PV) and Battery Storage system. St. Vincent Electricity Services Limited (VINLEC) and the Rocky Mountain Institute - Carbon War Room (RMI-CWR) partnered on this initiative which introduced renewable energy for electricity



## ST. VINCENT AND THE GRENADINES

This document presents St. Vincent and the Grenadines' Energy Report Card (ERC) for 2021. The ERC provides an overview of the energy



sector performance in St. Vincent and the Grenadines. The ERC also includes energy efficiency, technical assistance, workforce, training and capacity building information, subject to the availability of data.

## Commissioning Of US\$3 Million Solar PV And Battery Energy ...

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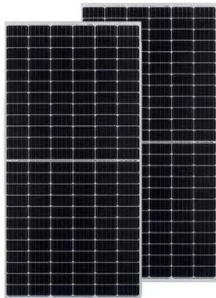
## Canada-Saint Vincent & the Grenadines relations

At the 2023 Canada-CARICOM Leaders' Summit - the first to be hosted on Canadian soil - Canada made several announcements that benefit Saint Vincent and the Grenadines, including a \$58.5 million initiative in partnership with the Caribbean Development Bank for renewable energy and grid modernization, a \$10 million Climate Smart Agriculture and

## PUBLIC DISCLOSURE AUTHORISED CARIBBEAN ...

ST VINCENT ELECTRICITY SERVICES LIMITED  
UTILITY BATTERY STORAGE AND GRID-  
CONNECTED SOLAR PV PROJECT - ST. VINCENT  
AND THE GRENADINES (President's  
Recommendation No. 1008) The attached Report

appraises a project to finance the supply and installation of roof mounted solar photovoltaic (PV) systems at buildings owned by St .



## DTE Energy's smart grid technology prevented nearly 5,000 ...

Through the implementation of smart grid technology, DTE has prevented nearly 5,000 power interruptions and more than 1.8 million minutes without power for customers so far in 2024. "We're dedicated to reducing power outages by 30% while cutting outage durations in half by 2029 -- and smart technology is a critical investment to help us

## Smart Hospitals Initiative

Piloted in 2012 in Saint Vincent and the Grenadines and St. Kitts and Nevis, the Smart Hospitals project is one of PAHO's largest partnership initiatives, together with the United Kingdom's Department for International Development (DFID), now called FCDO. Off-Grid Photovoltaic System for Small Health Facilities - 2018; Putting SMART to



## 'Private Climate-Smart eco-housing Development Project 2024'

Caesar's Investment Group (CIG) will launch a



Private Climate Smart Housing Development Project in 2024, in St. Vincent and the Grenadines to create an affordable platform for housing development that captures the essence of the island's goal to maintain its high environmentally friendly attributes.

## Customs & Exise Department

The Vincentian Single Window for Trade Facilitation (VSwift) was launched on June 24th, 2024. This revolutionary initiative is a crucial pillar of the government's Digital Transformation Project and will significantly transform how we conduct trade in ...



## United Nations Development Programme Country: St.

Energy Situation in Saint Vincent and the Grenadines 8. St. Vincent and the Grenadines (SVG) is a multi-island state comprising the main island of St. Vincent and seven smaller inhabited islands as well as about 30 uninhabited islets constituting the Grenadines as shown in Figures 1 and 2. The islands are home to a

## 2020 ENERGY REPORT CARD ST. VINCENT & THE ...

ST. VINCENT & THE GRENADINES 2020 ENERGY REPORT CARD AN INSTITUTION OF. BEQUIA MIRCOGRID PROJECT 20 Million 2020 MAYREAU MICROGRID PROJECT Ray and Tye Noorde Foundation/ RMI CARIBBEAN ENERGY RESILIENCE INITIATIVE IRENA/ADFD,DFID, CDB (Geo-smart

initiative) - (concessional loan), EU-CIF, ...



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