

SolarInnovate Energy Solutions

Saint Lucia Photovoltaic Tile Power Generation Project



Overview

Where is St Lucia's first solar PV plant located?

On the 11 th April 2018, the St. Lucia Electricity Services Limited (LUCELEC) – the sole electric utility company on the island – completed the commissioning of the island's first utility-scale solar PV plant. The plant is rated at 3 megawatt (MW) and is located in La Tourney, Vieux Fort, just north of the Hewanorra International Airport.

When did LUCELEC start building a 3 MW PV plant?

On the 20 th June 2017, LUCELEC signed a contract with the preferred bidder Grupotec to engineer, procure and construct (EPC) the 3 MW PV plant. The official groundbreaking ceremony was held on the 29 th September 2017, however, construction started in November 2017.

How many solar panels are there at Vieux Fort?

The plant consists of approximately 14,900 panels, which are distributed across three sites over a total of approximate 15 acres of land. It has a peak power rating (on the dc side) of 4 MW and is interconnected to the LUCELEC grid via two feeders emanating from the Vieux Fort substation at 11,000 volts.

How much energy does LUCELEC use per year?

LUCELEC used approximately 19 million gallons of fuel per year, at the time. In 2018 the solar farm generated 5.01 million kWh of electricity, which resulted in fuel savings of 257.7 thousand imperial gallons of deisel and corresponding cost savings of EC\$1.99 million.

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LFP12V100



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Jan 11, 2022 · A Handover Ceremony for the Solar Photovoltaic Power Generation (PV) Plant with Battery and Building Energy Management Systems (BEMS), was held on 11th January, 2022 ...



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The state of Renewable Energy and Energy Efficiency in Saint Lucia

Nov 13, 2013 · Under this arrangement, the customer directly uses the energy generated from the PV system and exports any excess generation to the power grid. The customer consumes ...



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Photovoltaic energy storage for thousands of companies in Saint Lucia

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