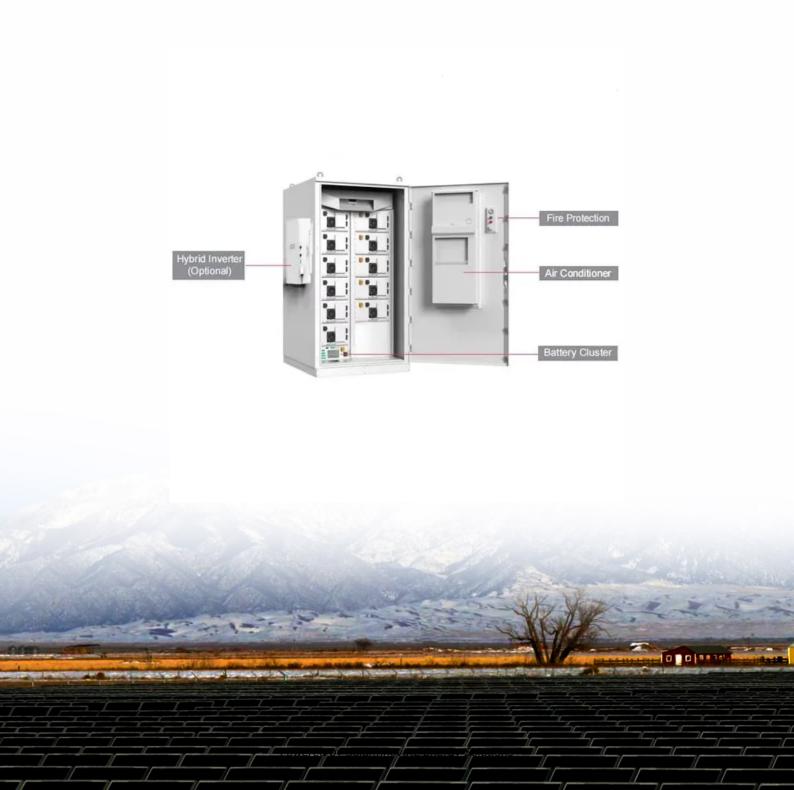


## **SolarInnovate Energy Solutions**

## 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.



#### Saint Lucia Photovoltaic Tile Power Generation Project

#### LFP12V100



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### Saint Lucia Secures Millions in Grant Funding for Renewable Energy

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..



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