



The Ile de Romainville Solar Park

Republic of Seychelles

The Ile de Romainville Solar Park is a 5-megawatt (MW) solar photovoltaic (PV) power plant with battery storage in the Republic of Seychelles.

The project includes an energy storage system with a capacity of 5 MW and 3.3 megawatt-hours (MWh), allowing for the safe and stable supply of electricity from the PV power plant to the main island of Mahé and further increasing the resilience of the national grid of the Seychelles.

The project is financed by Abu Dhabi Fund for Development (ADFD), and is being developed by Masdar and the Seychelles' Public Utilities Corporation (PUC).

The PV array is specifically designed to maximise the use of available land, while allowing for the maintenance of the wind turbines and minimising any shading losses resulting from them.

The new solar PV project is being constructed on the same island hosting five of the eight wind turbines of Masdar's first project in the Seychelles, the Port Victoria Wind Farm, which has been operational since 2013.

Seychelles currently relies on fossil fuels to meet its electricity demand, with fossil fuels accounting for around 20 percent of the country's imports. It is estimated that the Ile de Romainville solar project will save approximately 2 million litres of fuel annually.

QUICK FACTS

- PV plant has a capacity of 5 MW
- Will save approximately 2 million litres of fuel annually
- Will displace approximately 6,000 tonnes of CO₂ emissions annually
- Installed battery storage capacity of 5 MW and 3.3 MWh