



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

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

The new solar PV project was 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.

QUICK FACTS

- PV plant has a capacity of 5MW
- Completed in 2022
- Saves approximately 2 million liters of fuel annually
- Displaces approximately 6,000 tonnes of CO2 emissions annually
- Installed battery storage capacity of 5 MW and 3.3 MWh

The Ile de Romainville Solar Park seeks to increase the resilience of the national grid of the Seychelles and supports its target of achieving 15 percent renewables by 2030. It is part of the ADFD and International Renewable Energy Agency Project Facility. ADFD has committed US\$350 million in concessionary loans over seven funding cycles to support the establishment of renewable energy projects in developing countries.