

Solar carport and electric vehicle charging station Santa Lucia

THE PROJECT

The project calls for the construction of photovoltaic shelters and 2 charging stations, in Castries, at the Ministry of Infrastructure car park. Some electric vehicles will also be purchased.

BACKGROUND

Saint Lucia depends heavily on fossil fuel which is almost entirely imported from abroad. However, given its geographical location and strong exposure to the sun, St Lucia, like many other small island developing states, may be able to produce large amounts of electricity using photovoltaic technology – a clean solution, it would also help make the country less vulnerable to fluctuations in the oil market.

OBJECTIVE

Reduction of greenhouse gas emissions starting from sustainable mobility.

PLANNED ACTIVITIES

- [Call for tenders for the construction and installation of photovoltaic shelters and 2 recharging columns, in the Ministry of Infrastructure parking](#) and relative installation.
- Certification of shelters and charging stations.
- Interconnection of the system to the national electricity grid.
- [Call for tenders for the purchase of 3 electric vehicles for use by the Ministry of Education, Innovation, Gender Relations and Sustainable Development.](#)
- Training of personnel for the maintenance and management of photovoltaic systems, charging stations and electric vehicles.
- Promotion of information and public awareness initiatives on the use of electric vehicles.

SUBJECTS

Promoters:

- Ministry of the Environment and Energy Security, (MASE)
- Permanent Representation of St. Lucia to the United Nations

Actuators:

Caribbean Community Climate Change Center, (CCCCC)
Gearing Up Limited (winner of both tenders)

CONTRIBUTION TO

- ➔ [NDC Santa Lucia](#): 35% renewable energy in the nationwide energy mix by 2025 and 50% by 2030.
- ➔ [Barbados Declaration on Sustainable Energy for All](#): 20% reduction in energy consumption by the public sector within 2020.
- ➔ [2030 Agenda](#): Goal 7 – Sustainable energy; Goal 11 - Sustainable cities and communities; Goal 13 – Actions for the climate.

TOTAL COST OF THE INITIATIVE

\$ 486,675

Lender: MASE

Other lenders: ---

OUTPUT

- Photovoltaic shelters, connected to the national electricity grid, installed in the Ministry of Infrastructure parking, in Castries.
- 2 columns capable of simultaneously recharging 4 electric vehicles installed in the same parking lot.
- 3 electric vehicles purchased with demonstration brands aimed at promoting the use of electric vehicles.
- Personnel of the Ministry of Infrastructure trained on plant maintenance and management.
- Event to raise awareness of public opinion on the use of electric vehicles.