Sustainability action · Project Renewable Energy and Energy Efficiency

La Ferme - Bambous solar photovoltaic power plant

The first solar farm in Mauritius

The project "La Ferme - Bambous Solar Photovoltaic Power Plant" is a 15.2 MW solar photovoltaic power plant located in Eau Bonne, Bambous. It is Mauritius first solar power plant. The Bambous solar farm supplies 35,000 households with green electricity and avoids the release of 22,000 tons of CO_2 emissions per year.

Project

Electricity in Mauritius is mainly generated from coal and heavy fuel oil, resulting in high greenhouse gas emissions, air pollution and a dependency on imported fossil fuels. The increasing demand on the island exceeds the generation capacity at peak times and leads to gaps in the power supply.

The project consists of 60,800 photovoltaic (PV) solar panels which capture solar energy and deliver electricity to the national grid. It provides 2% of Mauritius' electricity and contributes to a more reliable electricity supply and the reduction of environmental impacts.

Project Number	**Project Type**	**Project Location**	**Avoided tCO_2e per year**	**Standard**
Project 301 939	Renewable Energy	Eau Bonne, Bambous in the Western part of Mauritius	22,000	VCS, CDM

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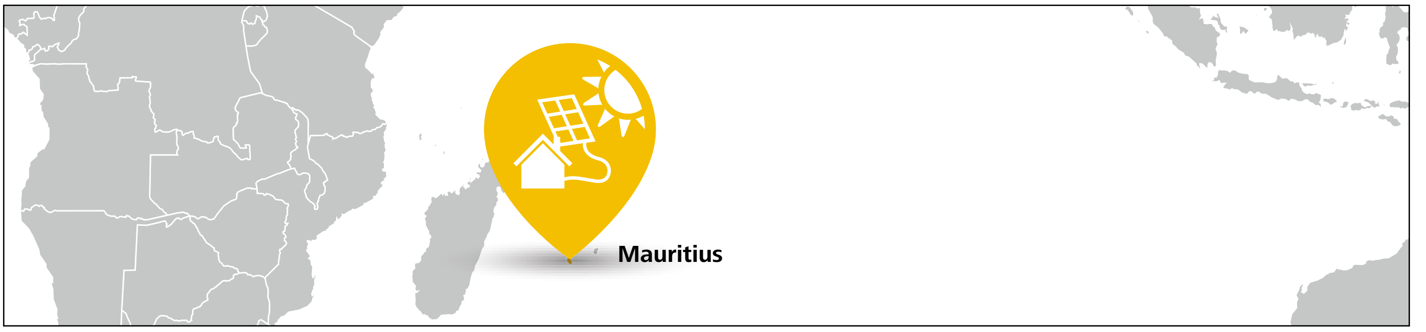

Location

The power plant is located in Eau Bonne, Bambous in the Western part of Mauritius. Mauritius is a volcanic island nation in the Indian Ocean off the southeast coast of the African continent. It is characterised by a diverse landscape of steep, rugged hills and forest-covered mountains in the hinterland of its coastline.

Project achievements

Socio-economic impact

- The project provides clean solar electricity to 35,000 households, 2% of the island's electricity demand.
- The project reduces the dependency on imported fossil fuels and strengthens the country's energy security and self-sufficiency.
- 300 local technicians and local workers were employed during the installation, testing and ramp up of the solar plant. For its operation and maintenance 20 permanent positions were created for locals.

Environmental impact

- The project avoids the release of 22,000 tons of CO_2 emissions per year.
- The first large scale solar power plant on Mauritius multiplies the amount of installed solar capacity in Mauritius by a factor of 4 and serves as a pioneer project leading the way to a more sustainable electricity supply system for Mauritius' future.

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