

Support the First Large-Scale Solar PV plant in Mauritania

Project description

Built in only 13 months, Toujounine is the largest solar PV plant in the country. Mauritania wanted to achieve 20% of renewable energy in their energy mix by 2020, the Toujounine plant helped the country to reach this goal. The project features 156,000 solar panels installed on a previously unoccupied land. It allows the country to reduce fossil fuel importation. The plant has supplied 10% of the energy production in the country in 2019.

Toujounine large-scale solar farm substitutes grid electricity by clean and renewable energy and cutting down GHG emissions from baseline fossil fuel intensive grid mix (mostly gasoil/fuel oil). It serves as a paving example of renewable energy development in Mauritania. Interns from 'Ecole des Métiers', and students from Nouakchott University were offered on-site visit to promote renewable energy to the young generation.

Project developer

Somelec is the national electricity provider in Mauritania. They ensure the production and distribution of electrical energy on the national territory. Their mission is to develop the use of green electricity across the country. In 2020 they achieved a first milestone with 24% of their energy mix coming from green energy.

Sustainable Development Goals



adera

Project details

Project name:

Large scale grid connected Solar PV project in Toujounine

Project type:

Solar PV plant

Location:

Toujounine, Mauritania

Project owner:

Somelec

Status:

Registered & operational

Project ID:

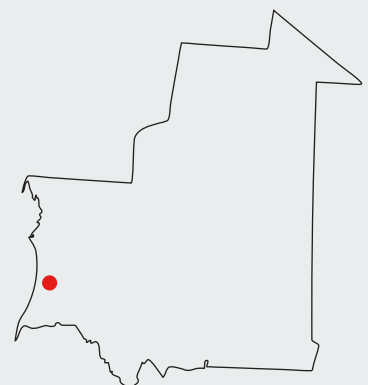
Verra VCS 1734

Key facts

57,000 tCO₂
saved/year

50 MW
installed capacity

300k people
supplied with green electricity



Pictures



Impacts



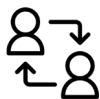
Mauritania grid is mainly powered by imported fossil fuel.

The project develops green electricity and reinforce energy supply sovereignty.



Mauritania targeted 20% of renewable energy in the country's energy mix by the year 2020.

The project helped the country to reach its target by producing their own green electricity.



The plant was build through advanced technology transfer from industrialized countries.

The project allowed to install the first large scale solar project in the country.



Somelec used the local workforce to build the plant.

The project hired 100 local people for the construction phase and relies on permanent local technicians to ensure operation and maintenance.

Key facts




156,000 PV panels installed.

100 jobs created during the construction phase of the plant.

10% of the country's energy production (2019).

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