

EU Partner

Tenmiya

Facts and Figures

- EC Contribution: € 300,000 (69% of the total budget)
- Duration: 2008-2011
- Location: Bir El Barka, Sylla, Guiraye and Rindiao in Gorgol, Mauritania

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Environment

Local Initiatives for Solar Electrification in Mauritania - PILES

"Local food habits require that grain be grinded every day. But the daily use of the old mortar is now history. The solar powered millet mill provides the solution for women. Here is a file of grain waiting to be milled, and allowing women go about other occupations at the same time (a considerable gain of time, money and health.)"

Sidi Aly Moulaye Zeine, Project Manager, Tenmiya



Context

The project concerns people living in communities with a population of less than 1,000 (for which there are no plans to install electricity networks) of three municipalities of Gorgol : Kaédi, Djéol, and Néréwalo. Gorgol is listed as the second poorest region of Mauritania. The Project involved the installation of 400 solar kits in households representing 2,500 people and give them the basic energy services (lighting and 12V power), as well as more powerful solar PV equipment in 4 schools and 4 cooperatives or associations.

Objectives

- Improve the living conditions of populations in four rural communities of Gorgol through sustainable access to solar energy
- Develop the private sector involvement in rural electrification in Mauritania and develop the local economy through the use of solar energy in the income-generating activities
- Improve the children's education in rural areas.

Impact

- 400 households have received a light kit
- 2500 people have seen their socioeconomic status improved (health, education, economy) through access to solar energy in the households
- 4 cooperatives or associations of villages are electrified and can improve productivity; through two conservation centres and two multifunctional platforms
- The school dropout rate in this area fell by 48% through the introduction of evening classes.

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"The multifunctional platforms powered by solar energy has lead to multiple benefits:
Significant cost savings thanks to the freezer allowing conservation of fish and meat, ice and ice cream for children...
The phone is now charging on site (highly successful): Significant cost savings! And easier communication with the outside.
The battery charge: Significant cost savings! And a load of better quality.
Welding repairs are now available in the village.
The nurse from Rindiao can now ensure the emergencies and night deliveries" said Sidi Aly Moulaye Zeine, Project Manager, Tenmiya.



Welding repairs now available in the village