



SENEGAL



+4,000 tCO₂/year

Emissions reduction

+3,000

Beneficiaries

4

Villages

Energy efficiency
Water Access



Borehole project “Antonio Giaffreda”, Senegal

Realization of solar powered safe drinking water systems in rural villages in the community of Mérina Dakhar, Thiès Region, Senegal

Gold Standard
Climate Security & Sustainable Development





Borehole project “Antonio Giaffreda”, Senegal

The project activity includes realization of two solar powered safe drinking water systems in the villages of Ndiass and Toucouler and the installation of two water purification systems in the villages of Louckouk Ndiaye and Dalakh 2, within the community of Mérina Dakhar, in Thiès Region, Senegal. There are around 3,000 people living in the project area.

As most of the rural areas of the Western part of Senegal, the community of Mérina Dakhar, is characterized by poor access to drinking water. Many of the used water sources (boreholes, wells etc.) are microbiologically contaminated. Only a small percentage of the rural population in the project intervention area has an easy and direct access to safe drinking water.

Consequently, there are many health problems linked to the unsafe water usage such as diarrhea, intestinal infections and parasites. The project is addressed to improve the hygiene, social, economic, and environmental issues related to the water cycle in rural areas by ensuring the supply of safe drinking water for domestic use as well as for irrigation of agricultural lands. Moreover, verifiable Carbon Dioxide (CO₂) emission reductions are achieved through the reduced wood combustion and the need for water purification through boiling is reduced. The project will also raise awareness among population regarding hygiene and contribute to sustainable development.





BENEFITS



ENVIRONMENTAL

- Improve the environmental issues related to water consumption
- Reduction of over 4,000 tCO₂ and concrete contribution to mitigate climate change

SOCIAL AND ECONOMICS

- Ensure easy access to clean and safe water to families
- Reduce adverse health effects related to water-borne diseases associated with unsafe water usage
- Raise awareness among population for sustainable development including, themes like hygiene