

Solar Power for Education!

Improving Rural Schools & Test Scores.



NomadHope.org is actively partnering in Western Africa, to apply appropriate technology and engineering solutions that will improve education and literacy for rural communities.



Project Cost

School 1

\$30,000

Funds Raised

\$10,000

Funds Needed

\$20,000

Schools 2 - 6

\$30,000 each

Funds Needed

\$150,000

Background

There are 50-100 million nomads in the Western Sahara and stretching into other desert regions. Their need for education is urgent. The migrations of nomads are predictable, which has been conducive to establishing schools on their migration route. The rural communities of Essakane, Mali have six established schools. The schools are community-run, and have been growing every year since established in 2005, but are without electricity and some without good access to clean water and sanitary latrines.

The Need

Six schools in northern Mali have had success enrolling boys and girls, staffing teachers, building permanent structures, and adding classrooms annually. However, these schools need electricity now to improve academic scores and evening working conditions for teachers. Electricity will provide opportunities for after chore and dinner studying and adult education for the community. They have asked NomadHope.org to help provide **solar power** to their schools. In addition, many of the **water sources** for the schools are in need of repair, and co-ed **sanitary latrines** are lacking.

Funds needed

We need an additional \$170,000 to complete work on all 6 schools, comprised of \$20,000 to complete the first pilot school and \$150,000 for the remaining five school projects.

Surveying existing conditions

In November '08, EWB-LA Professionals and NomadHope staff are planning an assessment trip to design the solar and well repairs for each of the schools. EWB will see first hand how the community would like to use solar to improve their children's and community education and how the teachers will use it to improve their classes. Before implementing solar electricity, the EWB engineers will assess the schools' access to clean water and sanitation facilities for the students.

The Project

The project will be initiated with the first target school as a pilot, where the appropriate technology and processes will be proven for rollout to all 6 schools. With multiple organizations partnering together, each bringing expertise to the projects, NomadHope.org has high confidence in the continued success of our efforts and the effective use of donor contributions.

Expected Results

The Banco project in Mali, another solar school project, saw a dramatic improvement in its students test scores. After the solar installation 36 out of the 37 passed the national exams, up from 6. Electric lights increase productive hours, allowing students to study in the evenings, after their chores are finished. Caroline Hombe, a 35-year-old teacher in rural Mhondoro, Zimbabwe, can go through the pile of books stacked on her table without worrying that the onset of darkness will put an end to her work. She no longer suffers from respiratory ailments due to inhaling smoke from her office kerosene lamp.

Our Project Partners



Engineers Without Borders™

chapters in Los Angeles, New York, and Washington DC are working with NomadHope.org to assess, design, and implement the solar and water solutions for each of our adopted schools in Mali. We are so thankful for EWB's professional engineers who are working with us to assure appropriate and sustainable engineering solutions.



We are pleased to have the sponsorship of the **Rotary Club of Manhattan Beach**, California, Bamako, Mali and the strength of the Rotary worldwide network in support of our efforts.

To DONATE NOW
or Learn more about this project:

Go to www.NomadHope.org
Or email Keely@NomadHope.org