

SOLAR POWERED REFRIGERATION IN RURAL HEALTH CENTERS – *KILA*

THE STORY



The rocky 110 kms dirt road from Mokolo to the health center of Kila, has been the battleground for the Nigeria-origin radical Islamist group Boko Haram since 2014 with its scores of humanitarian suffering

There will be no grid electricity in Kila anytime soon. The existing gas-powered refrigerator used to store vaccines is subject to supply and logistics difficulties of propane tanks, disrupting the regularity of the vaccination sessions.

Today with a solar powered reliable refrigerator to store vaccines and reagents, light at night and electrical power for small equipment, this isolated health center will be used as a pilot for health organizations in the area.

DATASHEET

Health Center Information	
Name: Centre Catholique de santé de Kila	Vaccinations/month: children 34, Women 60
Creation Year: 2000 Staff: 6	Vaccination session/month: 10
Viable electricity? No , Vaccine storage? No	Est. vaccines wasted due to poor storage: 15%

What systems Vianne installed on this location	
<i>Vianne Refrigeration</i>	<i>Vianne solar systems – Lighting and more</i>
Installation date: 12 October 2020	Installation date: 12 October 2020
Specs: 50 liters refrigerator; 2 temperature reading displays, 3 months temperature automatic recording; 150W off-grid solar system for power generation	Specs: 11 LED lamps 12V, 7W with switches. Two power outlets 220V AC to for small electrical loads; 300W Off-Grid solar system for power generation
Use: Vaccines storage & more	Use: Lighting, power to small electrical equipment

PICTURES



Panels are ready to get to the roof of the health center



Ongoing installation of command center and refrigerator



Handing the keys of the refrigerator to center's Manager

Why Vianne?

- Has as on-the-ground culturally specific knowledge and experience in remote areas in Africa
- Successfully established winning partnership to fund projects for 12 health centers
- Solar electricity in 100+ homes, small businesses, schools, and hospitals.