Jewish Heart for Africa :: Projects

Tanzania

Kidegozero Medical Clinic:

Country: Tanzania
Location: Bagamoyo Region; 100 km from Dar Es Salaam
Population: 7000
Number of donors: 1
Donor name: family from shoham
Total cost: $4270

Status: completed

The donor named the clinic " Shoham"

System installed:
240 watts of crystalline solar panels, two 12 A charger controllers, five 100Ah solar batteries, ten 11 watt lights and a 65 liter solar refrigerator.

The impact:
The Kidegozero Clinic (now called Shoham) is the only medical facility available in a region inhabited by over 7000 people. It is served by only one doctor and one nurse. The villagers are subject to constant hunger, drought and diseases such as malaria, yellow fever and tuberculosis. For many years, the village did not have electricity and there was no refrigerator to store vaccines and important medical supplies.

Jewish Heart for Africa has installed solar panels on the roof of the medical clinic, powering ten light bulbs and enabling the nurse and doctor to treat patients at night. The staff no longer has to depend on expensive kerosene lamps and candles that are beyond the clinic's means for light. For the first time, villagers are able to find the clinic at night allowing them to seek care in emergency situations. The solar powered refrigerator currently allows for storage of essential medicines and vaccines. To date over 800 children have now been vaccinated.

Changuruwe Village

Country: Tanzania
Location: Bagamoyo Region; 80 km from Dar Es Salaam
Population: 3600
Number of donors: 180
Donor name: The Soho Synagogue
Total cost: $17,620

Status: Near completion

System:
720 watts of crystalline solar panels, 10,000 liters of water tanks, PS 1200 HR/C Lorenta solar operated submersible pump, 100 Ah solar batteries deep cycle, charger controller 6A, six DC bulbs, three water stations with two faucets each.

Impact:
Chaguruwe is a sub-village of the larger village Zinga, totaling 3600 inhabitants, all without access to electricity and clean water. The only source of water in the region was an unsanitary hand dug well, barely sufficient for the villagers' cooking and drinking needs. There was not enough water for washing or irrigation. Agriculture is the main source of income and of food for the villagers, and without enough water, they are left with nothing.

The solar water pumping system that we have installed allows us to pump over 20,000 liters of clean water from the underground aquifer at a depth of 30 meters. The water is pumped into a 10, 000 liter tank from which the water will flow to three stations in the village. The women and girls open faucets to clean and abundant water, free of disease, and near to their homes. One of the stations will be reserved for irrigation and livestock needs.

In Africa, two out of five children die before the age of five, mostly due to water-borne diseases. By providing ready access to clean water, we are saving both lives and time, allowing the women to pursue an education and income generating activities.

The water for irrigation will allow for food security and increased income by the sale of the surplus products in the local market.

Milo Medical Clinic

Country: Tanzania
Location: Bagamoyo Region; 80 km from Dar Es Salaam
Population: 3000
Number of donors: 1
Donor name: Steven Ackerman
Total cost: $4580

Status: complete

System:
Three 64 WP Crystalline Solar Panels, one 20A Charger Controller, eight 7 W light bulbs and one 65 liter Solar refrigerator.

Impact:
Milo Clinic is a brand new medical facility with three treatment rooms made of cement. It is the only clinic for miles, and is the first medical center ever to serve the surrounding villages. In previous years, villagers would walk for hours to reach the nearest doctor, but without electricity for refrigeration, they still would not be able to get the medicines and vaccines that they needed.

Even now, during the rainy season, Milo is completely cut off from the outside world by flooding, making it impossible to obtain medicines and vaccines for three to four months a year.

The solar panels we provide power a solar refrigerator for storage of essential medicines and vaccines, meaning that the clinic will not be dependent on deliveries from outside sources during the rainy season, when the community is most vulnerable to disease.

We also provide outside security lighting, making the clinic visible for miles around. Those in need of care at night can find their way to the facility, and receive treatment without the use of costly and unsanitary kerosene lamps and candles.

Kidegozero Primary School

Country: Tanzania
Location: Bagamoyo Region; 80 km from Dar Es Salaam
Population: 400
Number of donors: 1
Donor name: The Hirsch Family
Total cost: $4,674

Status: complete

System:
85WP Solar panel, 12A Charger controller, 2 batteries, 4light bulbs of 10W and 4 light bulb of 11W, battery box and panel mounting structure.

Impact:
The kidegozero primary school has 400 students between the ages of 5 and 18. there are five classrooms with wooden benches and three to four students share each desk. The children are spread out among neighboring villages and most have to walk miles every day to reach school. By the time the children get home, it is dark and difficult to read or do homework due to the lack of electricity and high cost of candles.

By installing Israeli solar panels to power two classrooms, we have created a facility where students can do their homework in the evening and adults can gather at night. At the same time, we also enable students to have contact with the outside world through the use of computers and radios.

Jewish heart for Africa provides power to the adjoining headmistress' house as well, giving teachers the ability to prepare their lessons and charge their cell phones. This is an important incentive to encourage teachers to remain in the village where their work is needed.

Kirya Medical Clinic

Country: Tanzania
Region: Arusha
Population: 2300
Status: Open
Cost: $4200

Status: Fundraising stage

System: two 80wp solar panels, 2 batteries, 1500w inverter, one 30a charge controller, a 65 liter solar refrigerator, 8 cfl bulbs and one 2 ft tubelight.

Impact:
Kirya Clinic is a government dispensary that provides health services to 2300 people from Kirya and surrounding villages. There is only one doctor and an assistant, both available 24 hours a day for patient care.
Due to lack of electricity, the clinic is forced to use expensive kerosene lamps for lighting and sterilization of medical materials, which is both unsanitary, and causes unhealthy smoke inhalation. Since they are often short on funding, patients are sometimes required to bring their own lamps to receive adequate care at night. Kirya Clinic is also unable to offer maternity services because insufficient lighting at night can lead to birth complications. With electricity, the clinic will be able to provide maternity services, decreasing the child mortality rate and improving the health of both mothers and children. We will also install a solar refrigerator for essential medicines and vaccines, ensuring the preventative care and treatment they need in order to improve the community's health.

The solar panels will provide enough light to eliminate the use of kerosene, allowing patients to receive care at all hours, even if they cannot afford their own lamps.

Sinon Ngarash Primary School

Country: Tanzania
Region: Arusha
Population: 7600
Total cost: $4380

System: TBD Soon

Impact:
Sinon Ngarash Primary School has 820 students in grades one through seven. There are three teachers' houses as well, each one hosting multiple families, all using kerosene lamps, which are both expensive and cause unhealthy smoke inhalation in the home.

The school provides lunch to both students and teachers, saving an expense for families who cannot afford to feed their own children, but the cost of gas to cook for so many is more than the school can afford, and wood takes hours to gather, taking children away from their studies, and again causing overexposure to smoke.

The solar panels will provide electricity for a three plate institutional stove, allowing the school to continue to serve lunch to its student body, without threatening the health of the children.

The solar panels will also provide light that can be used communally in the evenings. Students can choose to stay and complete their homework in a well-lit environment, and teachers will be able to prepare their lessons for the following day, minimizing use of the expensive and potentially harmful kerosene lamps in their homes.

The energy can be used by the school for radios, televisions, and even computers, to expose the students to the outside world.

Poultry farm and Community Center
Orthodox Jewish Community

Country: Uganda
Location: Mbale region; 280 km from Kampala
Population 130 Orthodox Jews
Number of donors: 1
Donor name: Steven Hazan
Total cost; $3040

The donor named the facilities: "Project Hazan"

System installed:
100 watts of crystalline solar panels, two 100Ah sealed solar batteries, one 12A charger controller, six 8 watt light bulbs, solar panel mount stand

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100 watts of crystalline solar panels, two 100Ah sealed solar batteries, one 12A charger controller, six 8 watt light bulbs, solar panel mount stand

Impact:
This community of Jews living in a remote village in Uganda converted to Judaism over 100 years ago. The Orthodox community keeps kosher, speaks Hebrew, and strictly observes Shabbat and holidays. For many years, the community lived in absolute poverty with no steady income, struggling to provide food for the Friday night meals that they eat together to celebrate Shabbat. In the past couple of years, they lost eight members of their community to malaria.

By installing solar panels on the roof of the community center and poultry farm, Jewish Heart for Africa has provided electricity to the village for the first time. The poultry farm is now a major source of income for the community by allowing light from the solar panels to assist in the growth of the chicks.

Putti Primary School

Country: Uganda
Location: Mbale region; 280 km from Kampala
Population: 1150 students
Number of donors: 1
Donor name: Elisha Rothman
Total cost: $3890

Status: Completed

System:
100WP, two solar batteries 12V 100Ah, inverter 12 VDC, 1 charge controller 8 light energy server 11W.

Impact:
When asked how we can further help the Jews of Putti village, Rabbi Enosh asked that Jewish Heart for Africa help the surrounding community. Putti Village has a population of 3800, and only one Secondary School with 1100 students.

The school has ten classrooms with wooden benches, where three to four children share each desk. They walk miles to and from school, and get home when it is already dark, forcing them to strain their eyes to read and do homework, and to rely on expensive kerosene lamps and candles that many families cannot afford.

By providing solar panels to power two classrooms, students are now able to do their homework in a well-lit environment, and adults can use the classrooms in the evenings to gather and to learn, when they are not wasting valuable daytime hours

With access to energy, the school will be able to power radios, televisions, and computers–essential tools for education about and communication with the outside world.

We were able to introduce Rabbi Enosh to the faculty of the school as the man responsible for their solar power.

Putti Synagogue and Library:

Country: Uganda
Location: Mbale region; 280 km from Kampala
Population 130 Orthodox Jews
Number of donors: 1
Donor name: Elisha and Kelly Roithman
Total cost: $3940

System installed:
150 Watt of solar panels. 9 energy saver light bulbs, two solar batteries 12V 100Ah, one charge regulator 12VDC 15Amps. 8.0 underground connecting cable 2.5 mm2, wiring accessories, mounting stand.

Status: Complete

Impact:
This group of Jews that converted 100 years ago conducts Friday night services each week in the dark. We have already provided electricity for their guest-house and poultry farm, but on a recent visit, found them squinting by candlelight to follow along with the Shabbat prayers.

By installing solar panels on the roof of the Synagogue and Library, we are able to provide light to the community so that they can pray and learn together in the evenings. Because they work during the day, the Jews of Putti village can only come together at night. With the solar energy we installed, they are saved the cost of expensive kerosene lamps, and the eye strain from studying at night.

The Orthodox community keeps kosher, speaks Hebrew, and strictly observes Shabbat and holidays.

Namutumba Synagogue

Country: Uganda
Location: Mbale region; 280 km from Kampala
Population: 5000
Number of donors: 1
Donor name: Elisha Rothman
Total cost: $4300

Ststus: Complete

System: 230 Watt Crystaline solar panels, two batteries 12V 100AH, inverter 12VDC, one charge controller 12VDC, 10 energy saver lights, 50 liter solar fridge

Impact:
Located five miles off the main road, namutumba is home to the most economically disadvantaged members of the Jewish community of Uganda.

Living without electricity, women and children must spend on average six hours a day collecting water, gathering wood and manually processing grains for the 160 jews in the village. These daylight hours are dedicated to survival, preventing the community from pursuing its educational, economic and spiritual goals.

With light in the synagogue, the jews of namutumba are able to gather as a community at night. They study without the use of expensive and harmful kerosene lamps, and pray without straining their eyes. The synagogue provides a forum for discussion of issues facing the community, and an opportunity for adults to pursue an education beyond the daylight hours.

This community has never, in all its history, had access to electricity. To power a synagogue is a beacon of hope, an opportunity for growth and a catalyst for change.

Ten individual homes

Country: Uganda
Location: mbale region, 280km from kampala
Population: ten families and the surrounding village
Number of donors: 1
Donor name: The Hirsch Family
Total cost: $10,879

System: 10 agrikits including 40 watt solar panels, 12 v converters and 40 ah batteries.

Status: complete

Impact:
Until we arrived in putti village, the entire area was dark at night. Candles and kerosene lamps are more expensive than most villagers can afford, forcing them to end their day when the sun sets.

The lights in 10 individual homes of putti village serve to light the entire community. In the flat region of putti, the lights make the roads brighter, while providing community members with places to gather. They allow the villagers to charge cell phones and listen to the radio, providing them with access to the world outside the village.

Kaliro Orphanage

Country: uganda
Location: 30km from mbale
Population: 300 orphans
Number of donors: 1
Donor name: Dara Bleshman

System: two 60wp crystalline solar panels, one 12vdc 100ah solar battery, one 12v dc/220v ac inverter, 12/24v 12 amps charge regulator, 5 energy saver bulbs.

Status: in progress

Impact:
kaliro orphanage is run by a woman named flavia nabugere. 300 children live and attend school inside this facility. While it is only a short distance from the main highway, these children are completely isolated from the electrical grid. They are supported by a small church, as well as the local community. Local villagers support the director's efforts by selling their surplus crops at the village market and giving the proceeds to the orphans.

Without electricity, the orphanage is dark at night. Kerosene lamps and candles are too expensive for the program's limited budget.

With the light that jewish heart for Africa provides, these children are able to continue their studies at night. They can gather inside the orphanage to work, to play and to learn even after the daylight hours. With access to electricity for radio, television and computer use, these orphans are connected to the outside world for the first time.

Ethiopia

Gudo Clinic

Country: Ethiopia
Location: holeta woreda, 40 km from addis ababa
Population: 23,522
Number of donors: 1
Donor name: The Hirsch Family
Total cost: $1,162

System: 50 wp crystalline solar panel, one S3-800 controller, 2 33AH batteries, 6 A-light lamps, 1 DC-DC converter.

Status: complete

The gudo clinic is the only medical facility in a region of 23,522 people. Located in gudo kebele, the clinic is Isoetales by bad roads and run by sr. esrael lema, a single nurse who has been the only employee of the clinic for over a year. Without electricity for a refrigerator, villagers that traveled great distances to arrive at the clinic were not able to get the properly stored medicines and vaccines that they needed.

Jewish heart for Africa has installed solar panels on the roof of the gudo clinic to provide them with electricity for the first time. With light, sr. esrael lema is able to treat patients at night without the use of expensive and harmful kerosene lamps. Security lighting has been installed outside the clinic to help potential patients locate the clinic in the dark. And the nearby development agent, inspired by our project, has laid out plans to turn this small clinic into a full health post. With more staff and greater supplies, the 23,522 people served by the gudo clinic will receive the treatment they deserve.






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