

LIGHTS ON!



EMPOWER KAMARATA WITH THE SUN





In Eposak, **we transform lives through sustainable tourism** in unique, remote and underdeveloped tourism destinations in Venezuela.

Lights On! is a project designed to **provide solar power** to the indigenous community of Kamarata (near Angel Falls – the highest waterfall in the world), in order **to help them to be better prepared for tourism activities.**

Let's start with the schools and the rural hospital!



Where is
Kamarata?



The challenge

LIVING WITH THE LIGHTS OFF

Kamarata is a **special and remote** place in Venezuela where **200 families of indigenous people** (pemones kamarakotos) live.

These families were blessed with the power of hydroelectric energy and the construction of a dam in the 1960s, but in the past years this **energy is insufficient and unreliable**, affecting directly their life quality.

The community had to turn to **expensive and polluting diesel generators**, and those who could not afford it were left without options.



The challenge

In the schools, **even though children have computers**, they are not able to use them because there is **no power to turn them on**.

The **rural hospital suffers of many days without power**, risking the lives of patients and the **validity of vaccines** that are essential in this region.

And the families constantly **risk their food supply**, already difficult to find, because of **there is not enough energy** for the fridges.

It's time to transform this reality for Kamarata!



Solution

A close-up photograph of a solar panel mounted on a wooden structure. The panel is dark with a grid of cells. It is supported by a wooden frame. In the background, there is a thatched roof and green grass.

Creation of a **community- owned microgrid** that with **solar panels and batteries**, enables Kamarata to access electricity, and all the benefits that come with it.

The project is designed to attend the **200 families** that live in Kamarata (including the “Victor Carvajal” School, the **high school** “Nuestra Señora de Coromoto”, and the rural **hospital**), with the deployment scheduled throughout **phases**.

Solution

PHASE I (THE PILOT)

Beneficiaries: 300 children attending schools and hospital patients

Schedule: Jan – Mar 2019

Cost: \$ 50,000

Funding: Crowdfunding

PHASE II

Beneficiaries: half of the families (500 people)

Schedule: 2019

Cost: \$ 450,000

Funding: Corporate sponsored / multilateral agency aid

PHASE III

Beneficiaries: all Kamarata community (1,000 people)

Schedule: 2020

Cost: \$ 450,000

Funding: Corporate sponsored / multilateral agency aid

Why

?

For EPOSAK is essential that the micro-grid becomes a

community-owned enterprise valued and guarded by all.

With the PILOT, we will have a chance to **train the community** with a smaller system and in parallel **seek out the resources** for the overall project.

What it takes?

A TEAM OF WARRIORS!

- EPOSAK will work with three engineering firms as **allies for project design and installation**: OTEPI, E'KABEL and INSERVEN.
- **Community involved** throughout installation, operation and management.
- **Training workshops for local *pemones kamarakotos*** in the first year of operation.

Our Warriors!



Experts in electromechanical installations of power generation projects
+ 100 gas turbines installed in Venezuela
(4,790 MW)



Multinational company specialized in supplying cables, copper/aluminum electrical conductors and fiber optics products.



Experts in project definition, Engineering, Procurement and Construction management (EPC) and Operation & Maintenance

Wide experience in Oil & Gas, Energy (Generation, Transmission and Distribution), industrial and transportation industries

+2,800 executed projects
18 countries in 4 continents
+ 40 MWp of solar power projects
(distributed generation and microgrids)

Why?

Long-term Impact

Empower the next generation!

- **Access to technology and communication** through the use of computers, radio, television, cellphones, and others.
- Use of time for more **productive, educational, or recreational activities.**
- **Health improvement** through better equipped, and more reliable ambulatory services.
- **Nutrition benefits** for the possibility of storing perishable food in freezers.

While reducing the environmental impact on such a special place with a **long-term sustainable solution.**



How? Crowdfunding campaign

A large crowd of people, seen from an aerial perspective, is arranged to form the shape of a lightbulb. The crowd is dense and colorful, with many individuals wearing bright clothing. The lightbulb shape is the central focus, with the crowd tapering towards the top and bottom. The background is white, and there are some smaller, scattered groups of people around the main lightbulb shape.

CROWDFUNDING

- A project on Globalgiving.org
- GlobalGiving recently certified EPOSAK, and is the largest global crowdfunding community connecting nonprofits, donors, and companies in nearly every country.

TARGET DONORS

- Venezuelans living abroad, (US, Europe, Latam)
- Average donation per person: 25 USD
- Number of donators target: 2,000

MAIN CHANNELS

- Social media influencers and allies (IG, FB and YouTube)
- Radio (interviews)
- Buzz marketing and networking

SCHEDULE

- 3 months, starts September 10th

The Platform

Technology | Venezuela | Project #34812

Lights On! Empowering Kamarata with the Sun

by Eposak Foundation, INC.



Status: Pending
This project is not accepting donations at the moment but may be soon as they are listed as "pending" in our system.

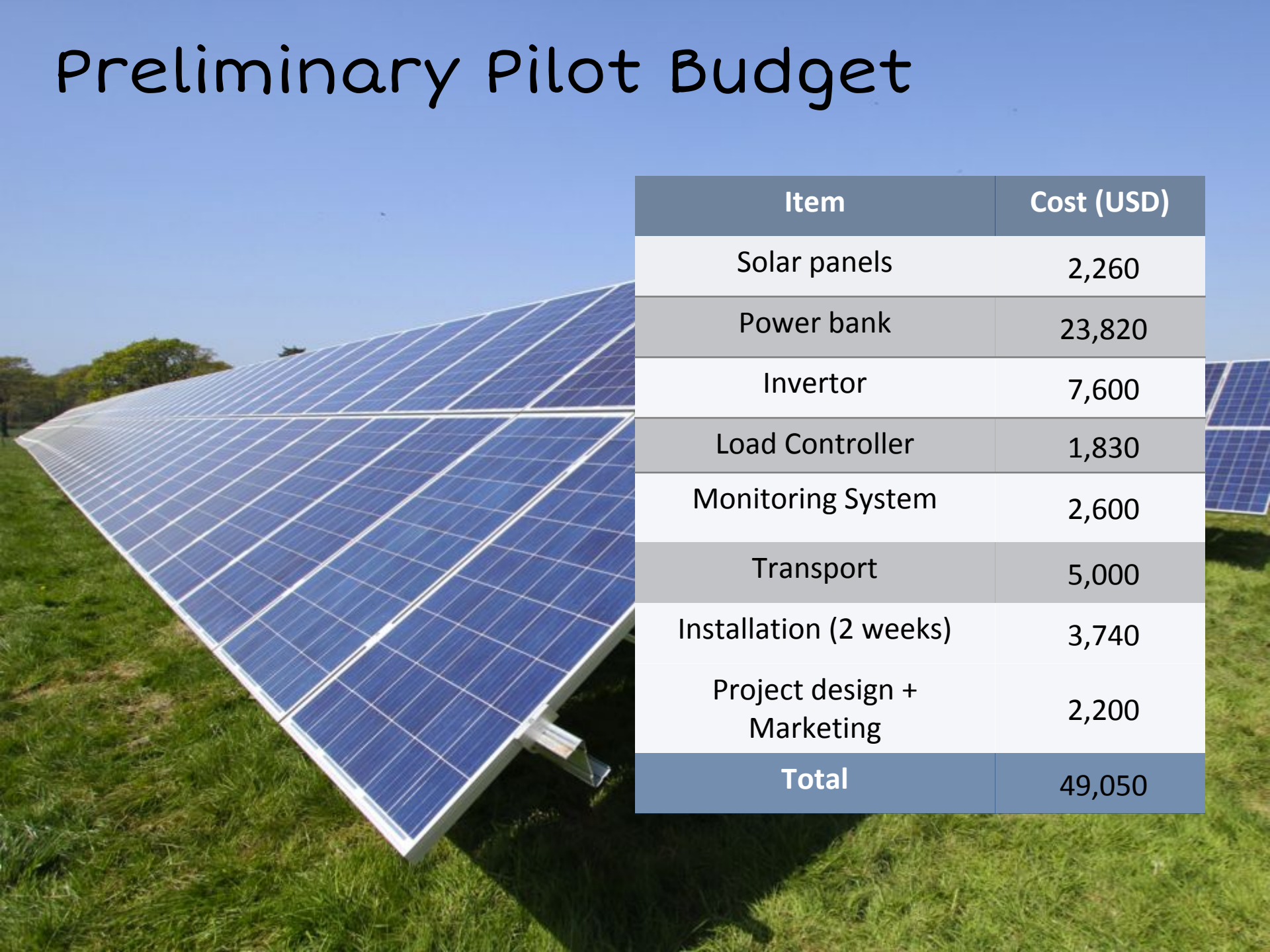
Still want to help?
Find another project in **Venezuela** or in **Technology** that needs your help.

STORY | REPORTS | PHOTOS | SHARE

DATES AND DEADLINES

- Sept. 10th – Accelerator crowdfunding campaign begins
- Sept. 19th – Bonus Day
- Oct. 10th – Must raise \$5,000 from 40 donors
- Dec. 31st – Accelerator crowdfunding campaign ends

Preliminary Pilot Budget



Item	Cost (USD)
Solar panels	2,260
Power bank	23,820
Invertor	7,600
Load Controller	1,830
Monitoring System	2,600
Transport	5,000
Installation (2 weeks)	3,740
Project design + Marketing	2,200
Total	49,050

MEANING OF OUR DONATIONS

HOW CAN YOU HELP?

\$ 10 = Electricity for one child to study at home at night

\$ 25 = Science classes at the school with computers for one hour

\$ 50 = Sterilized equipment at the hospital

\$ 150 = Internet communication for the hospital

\$ 300 = Dental treatment one hour/day

\$ 550 = All the schools computers turned on for classes

\$ 1,000 = Well refrigerated vaccines

\$ 3,000 = Turn all the High School's Lights On!



Please, DONATE NOW:

<https://www.globalgiving.org/projects/lights-on-empower-kamarata-with-the-sun/>

and be an agent of change!





"Our **CORE BUSINESS** should always be
to make **the world a better place**"

Secretary-General **UNWTO** Taleb
Rifai

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