POWAH

Energy and Technology Solutions

GAPS AND CHALLENGES

Electricity

Internet Access

Phone Charging capability

Job Creation
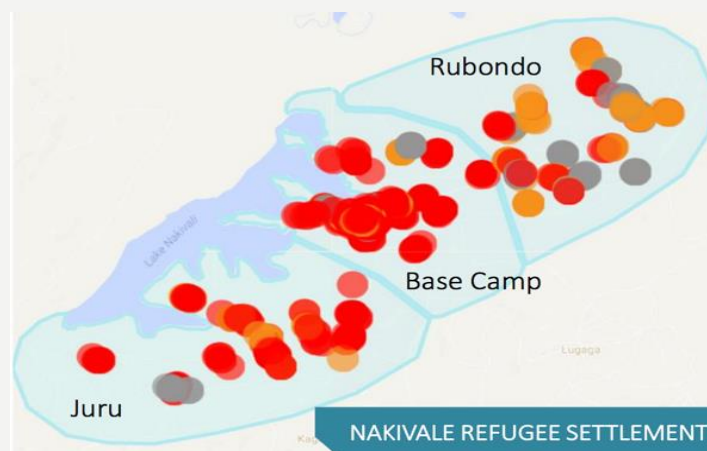
Livelihood Advancement
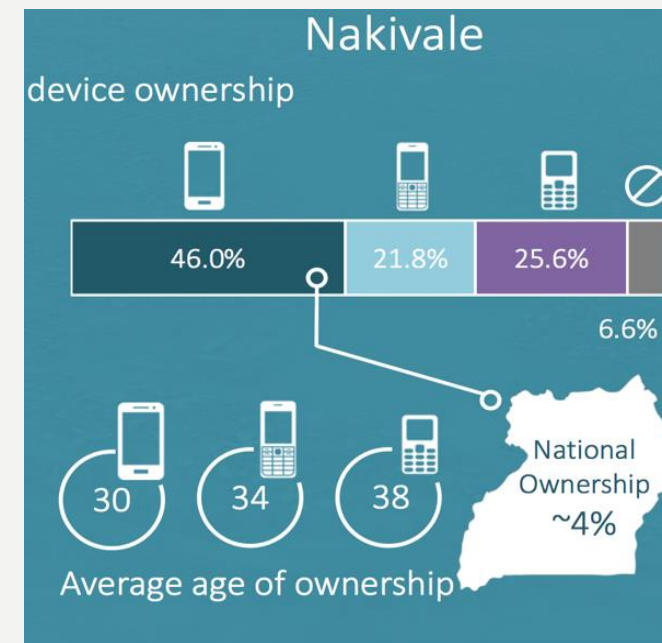
Financial Inclusion

NAKIVALE DEMOGRAPHICS

FEMALE	AGE	MALE
8,248	0-4	8,440
11,165	5-11	11,584
7,918	12-17	7,957
21,927	18-59	22,086
1,104	60 AND ABOVE	974

Rubondo

Base Camp

Lugaga

Lake Nakivali

Juru

NAKIVALE REFUGEE SETTLEMENT

Key: Cell phone signal recorded

2G Signal   4G Signal

3G Signal   No Signal

Nakivale

device ownership

46.0%   21.8%   25.6%   6.6%

30   34   38   National Ownership ~4%

Average age of ownership

POWAH HUB

Energy Access **Connectivity Access** **Educational Access**

- The POWAH HUB hopes to tackle all these problems.

- The hub is a livelihood center constructed and developed from a container and run completely on solar using internet and computer access resources. Access to the tools is coupled with savings and entrepreneurial training.

- Digitalizing VSLAS, Marketing goods and services, supplementary to vocational trainings

- There is an opportunity to create livelihood advancement programs from energy and ICT access.

- The Powah hub's mission is to create an ecosystem for income generating activities

THANK YOU

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POWAH HUB BACKGROUND

In the Refugee settlements most investment is through emergency care activities. Further, levels of international relief are at times cut-off after the emergency period. However, in order for people to stop the cycle of poverty and aid assistance access to resources and livelihood advancements must be considered. The main forms of income generation in the settlements are farming, crop selling, animal husbandry and rearing, trade and selling of merchandise, food related business, entertainment such as selling music or movies, and transportation (UNHCR).

A report done by Relief International in Nakivale reported that the most successful in the camps were those that connected in the Ugandan Market. However, in order to connect access to communication tools such as charged phones, computer and internet access must be realized. The research determined that there were clear advantages enjoyed by those that had social networks with the outside business community. Those that suffered the most were disabled people, youth, females, who have limited access to external markets. Further the report found that while farming is widely popular it was found to be insufficient to enable refugees to achieve economic sustainability. Those that were able to diversity in business and trade with the external markets enjoyed the greatest financial sustainability

POWAH DESCRIPTION

The Powah Hub aims to create a center where resources, trainings, and information are accessed for marginalized groups to gain advanced livelihoods. The Powah Hub utilizes solar energy design for entrepreneurial development and livelihood advancement. The Hub will be a solar run container with access to internet and computer tools. It will also have in stock solar energy products for sale and rent such as lights, phone chargers, and clean cook stoves.

There are three objectives with the Powah Hub:

Information Centre: access to internet and communicative tools

Resource Centre: access to energy products

Training Centre: accessing to training education and job creation tools

Powah will employ refugees to run and manage the Hub. The income generated from

hub, will be used to pay running costs such as staff, internet and maintenance.

Powah Hub will be run by solar, having 6 computers and their components, internet installation, in Nakivale Refugee Camp. The Powah hub will be the first of its kind in the refugee camps of Uganda and will be an intended benchmark for innovation. We are looking to partner with UNHCR who has already adopted computer access points in the refugee settlements to assist us with best practices, location for the hub, recruitment for those refugees Powah shall be employing.

Below you may find the benchmarks for success and expected results we have for the first 6 months after launching.

*POWAH HUB IMPLEMENTATION MEASUREMENTS October[th]- April[h] (First 6 months)	
METRIC	Energy Access tools for business, health, and education
UNIT OF MEASUREMENT	NUMBER OF PEOPLE
DEFININTION	Those renting or buying fast moving solar products Those using our solar products within the hub itself excluding computers and internet which will be categorized below.
Target	3,100
Assumptions	The fast moving products, include standalone solar lights, phone charging, cook stoves, radios and televisions
METRIC	Livelihoods Access
UNIT OF MEASUREMENT	NUMBER OF PEOPLE TRAINED
DEFININTION	TBD.
Target	100 graduates
METRIC	Digital Inclusion
UNIT OF MEASUREMENT	NUMBER OF PEOPLE
DEFININTION	This includes access to computers and software as well as access to the internet
Target	2500

*Using Gogla's standard international metrics for off-grid projects combined with Powah's expectations