



OffGridBox™



We provide affordable clean water and renewable energy in remote areas

Worldwide, there are...

1.2 Billion people

without access to basic electricity

800 Million people

without access to safe drinking water

In Sub-Saharan Africa, there is a..

\$734 Million market

for solar powered irrigation, cooling and refrigeration, PULSE

One solution bringing clean water, power & connectivity

Features:

- 12-30 kWh/day off-grid electricity (3kWp-8kWp)
- 1000 l/h pumping and treatment
- 5 to 50 kWh total storage

Competitive advantages:

- 3 hour installation
- Durable: survived a cyclone in Madagascar!
- Plug & Play and Anti-theft shelter
- Mobile



Water filters

Solar panels

Remote
monitoring

Dirty water tank

Energy storage



Improved lives, improved incomes



Affordable purified water in the community;
Reduction in water-borne diseases;
No more fuel needed to boil water;
Seawater desalination for coastal communities.



Safe, affordable and pollution free lights in homes;
Children can study at night;
Home based business activities can be carried out;
Customers can charge their phone and listen to the radio.



Well-paid jobs and training for 2 women from the community;
Energy for productive uses like welding, milling, irrigation;
Institutional buildings (clinics, schools) can be electrified;
WiFi provided through a hotspot.

Unit Economics



Each OffGridBox

Initial Cost
(approx):
\$25K

Uses for the OffGridBox

Applications

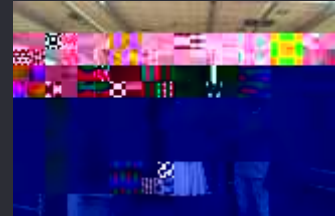
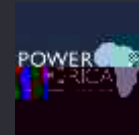
Village kiosk for power & water for households

Energy for productive uses (agricultural)

Energy for institutional building (clinics and schools)

Humanitarian: disaster relief and refugees

Customers & Partners



Tanzania UNDP Project 2019

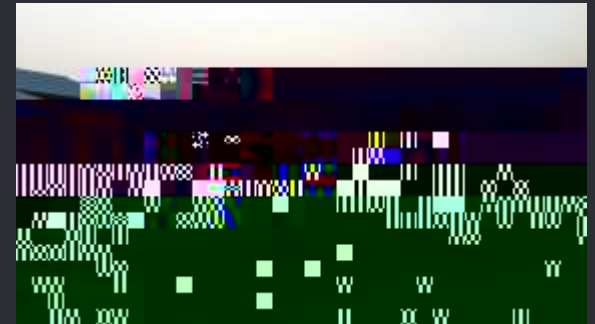
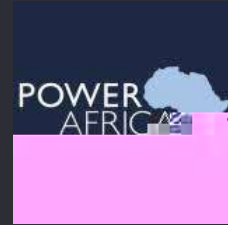
Aspects

3 Districts around Lake Victoria

Power Africa (USAID) project to electrify health care

Aspects

- Total of \$2.6 million for 9 projects in 2020;
- OffGridBox chosen as only company in Rwanda;
- Electrification of 6 rural health centres;
- Plus PAYG energy and clean water for 200 households;
- Long term sustainability due to daily management by BoxKeepers;
- Revenues from sale of water and power will cover OPEX;
- Proven business model.



Impact metrics



Employment

Each box will provide skilled, respected, and above-average paid jobs to 2-4 Women, plus spin-off employment.

Health

Clean water leads to 50-100% reduction in contraction of waterborne diseases. Clean water replaces boiling water causing lung diseases.

Education

Electricity at home leads to higher literacy rates and more school completion through longer night-time study hours.



Connectivity

Providing connectivity means rural communities gain access to global communication, leading to less isolation, and more efficient & better-informed societies.

Safety

Solar powered-lights will greatly reduce fire incidents and burn injuries caused by kerosine lights.

Environment

1 OffGridBox equals 15 tons of CO2 emissions avoided by divesting from fossil fuels and batteries.

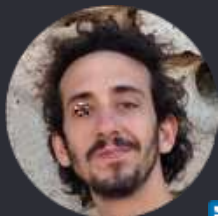
Social & Women Empowerment

Each box will save 7.5 days of walking time per year collecting water, which is often carried out by women and children.



Emiliano Cecchini, PhD

Set up 6 companies; 20 years experience building sustainable utility solutions for impoverished regions



Davide Bonsignore



12 years experience designing, and deploying renewable energy technologies

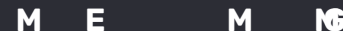


Jodie Wu

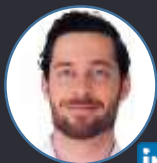
10 years of experience in last mile distribution in East Africa, including energy



Bas Berends



20 years of experience in diplomacy and sustainable development



Nicola Stenico
Technical Director

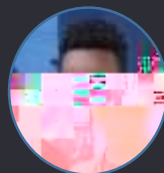
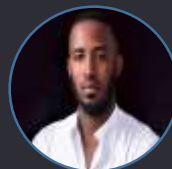
10 years experience working for RE companies in East Africa



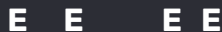
Jean Marie Niyonschima



6 years experience in rural and urban business, 2 years experience in renewable energy and purified packaged water



Erina Kabatesi



4 years managing solar retail sales and last-



Kathryn Chelminsky, PhD



5 years of experience in energy and international relations

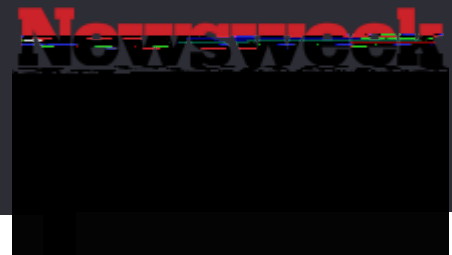
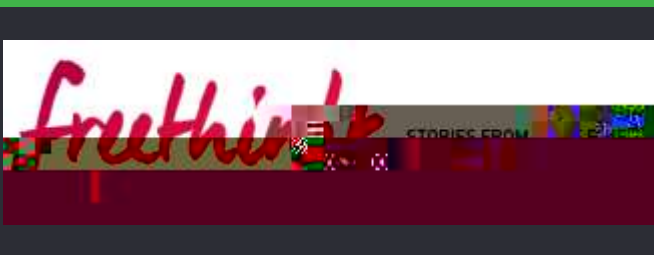
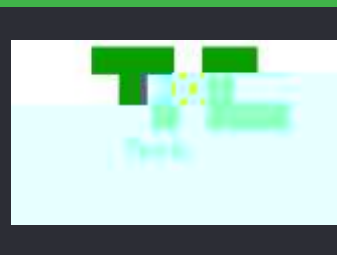
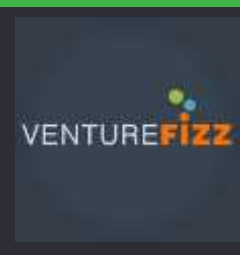


Troy Billett



10 years experience helping start-ups grow and scale. Consultant at Techstars 2017

Press





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