

Affordable portable solar pumps

11 March 2025

Goal

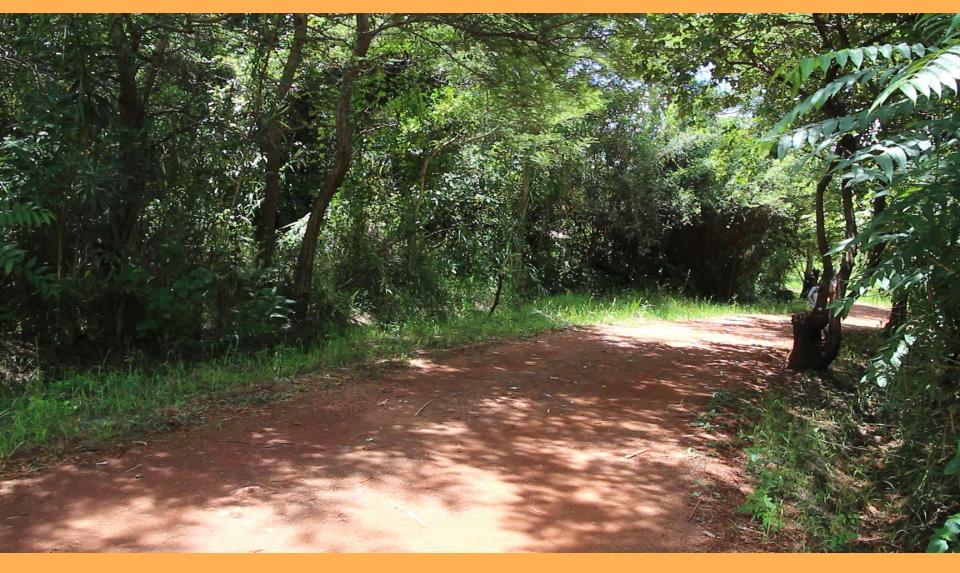


Creating a <u>sustainable</u> and scalable distribution model of affordable portable solar pumps for small-scale farmers.

- Each partner must benefit
- Repairable
 - Spare parts
 - Skilled retailers making a profit

Initial pump design





Current Design





Components:

- Two solar panels
- Pump + cables
- Panel Stand
- Pre filter
- Hose

Who are involved?

Warehouse: import/distribute:



NGOs (like DAPP):

Retailer / SME:

Farmers:

Jacana / MetaMeta:











www.jacana.help

The Innovations

Optimizing pump design

- Flow rate
- Cost

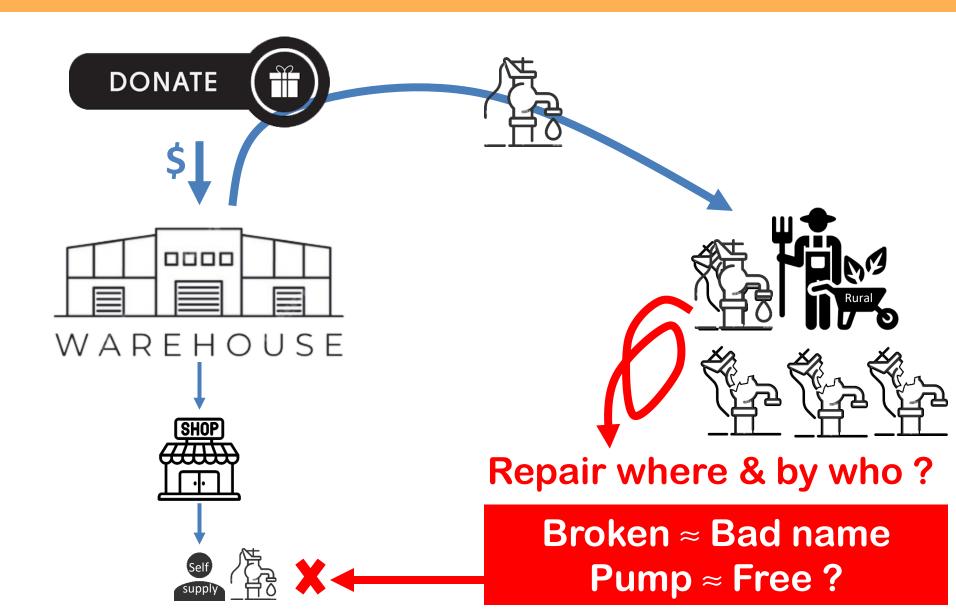
Supply Chain

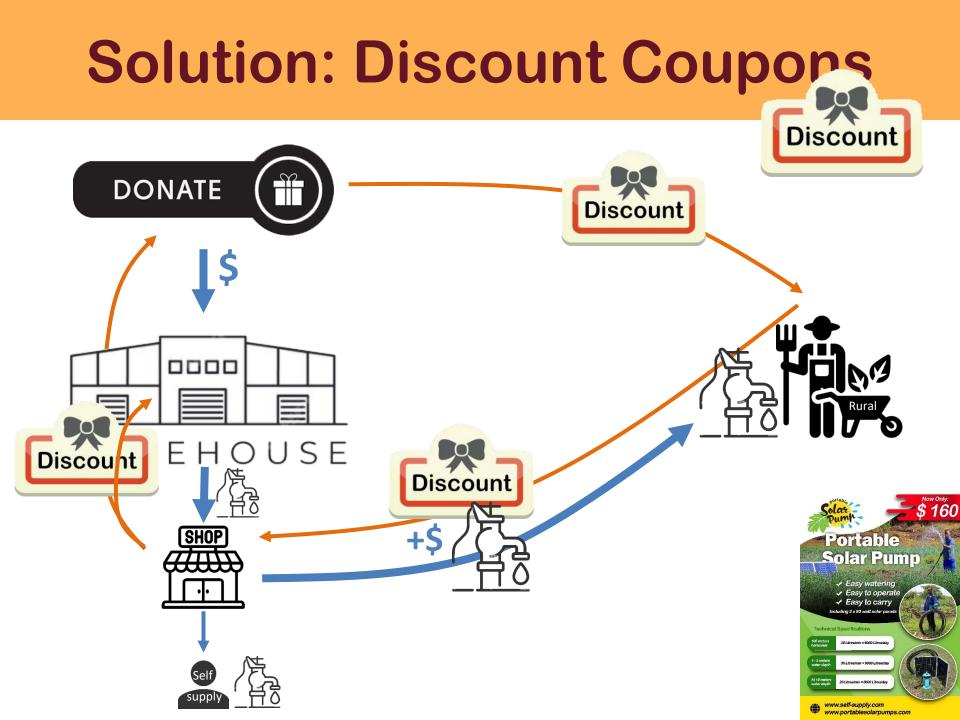
- Discount coupon
- Repairs and after sales
- Self-supply market

Software

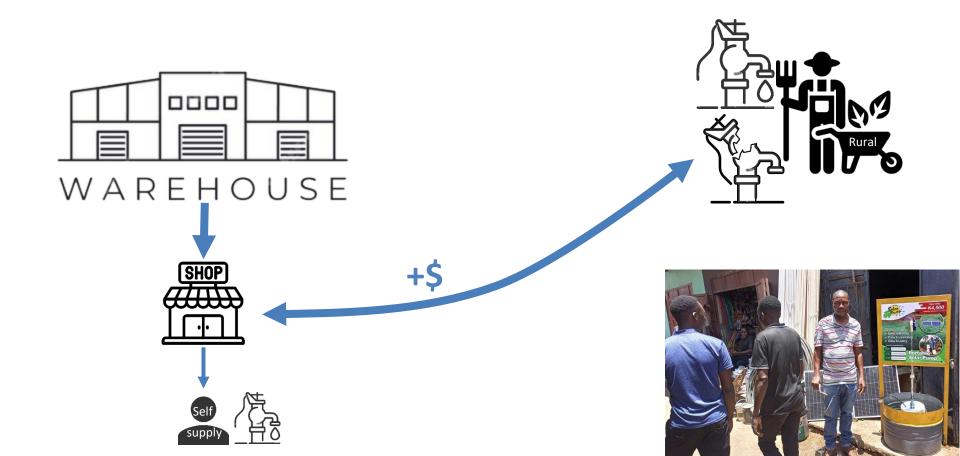
- After sales
- Quality control

Donations distort the markets!

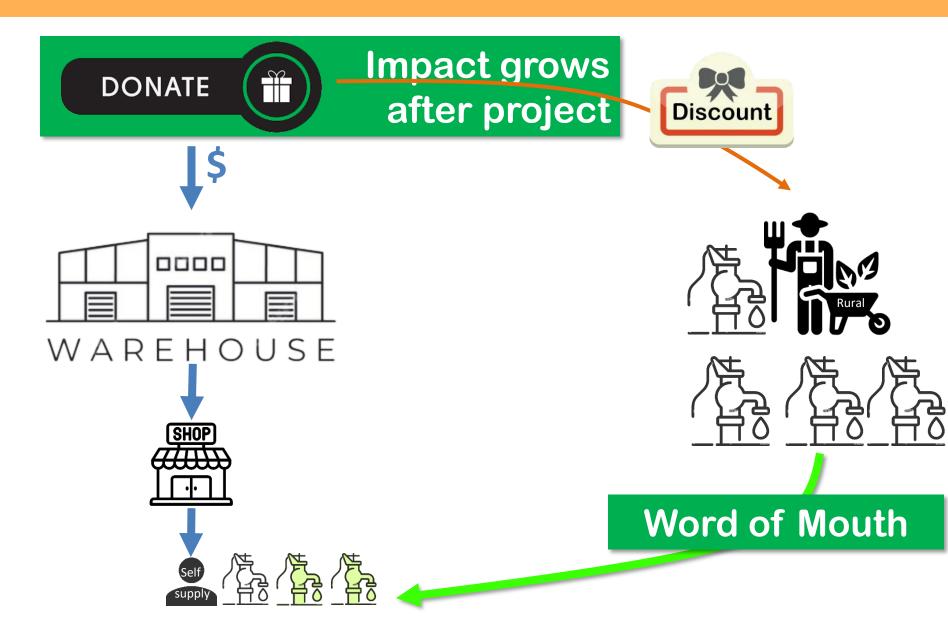




New: Supply Chain New pumps and Repairs



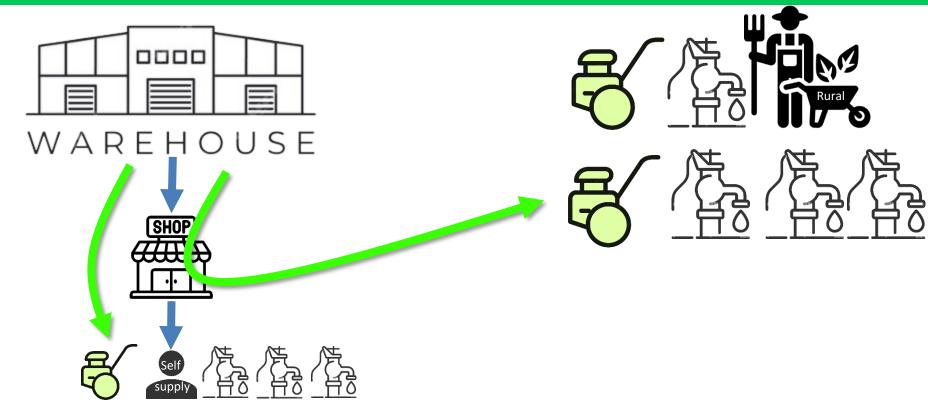
New: Increase Self-supply



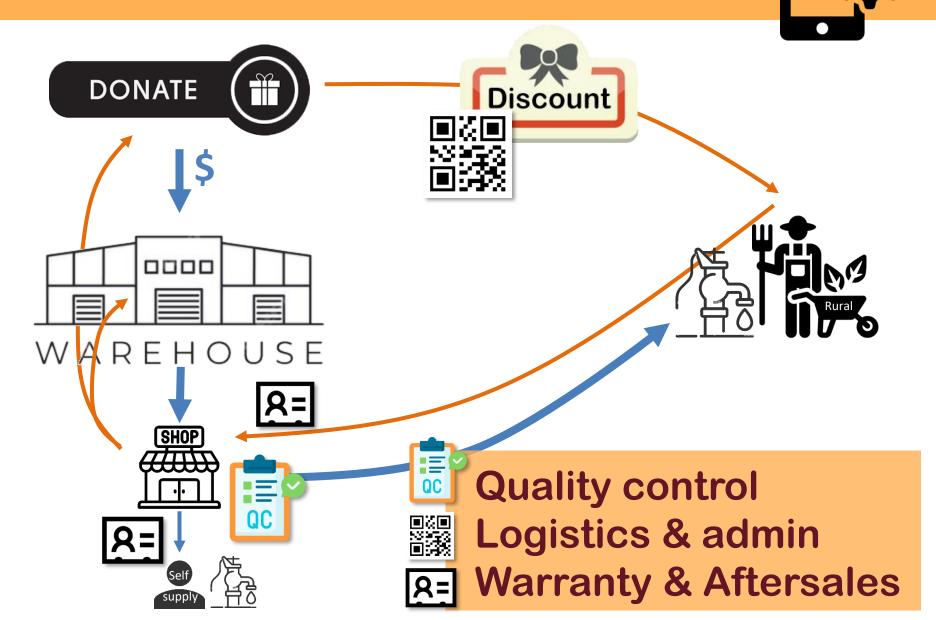
New: After sales

Keeping customers is cheaper than finding new customers

We have contact details and know the users So sent SMS from time to time



New: Software



Project Summary



Year 1:

- META
- Re-design Construction kit
- Design Software
- Test in Eastern (70 pumps)
- Fine tune

Year 2:

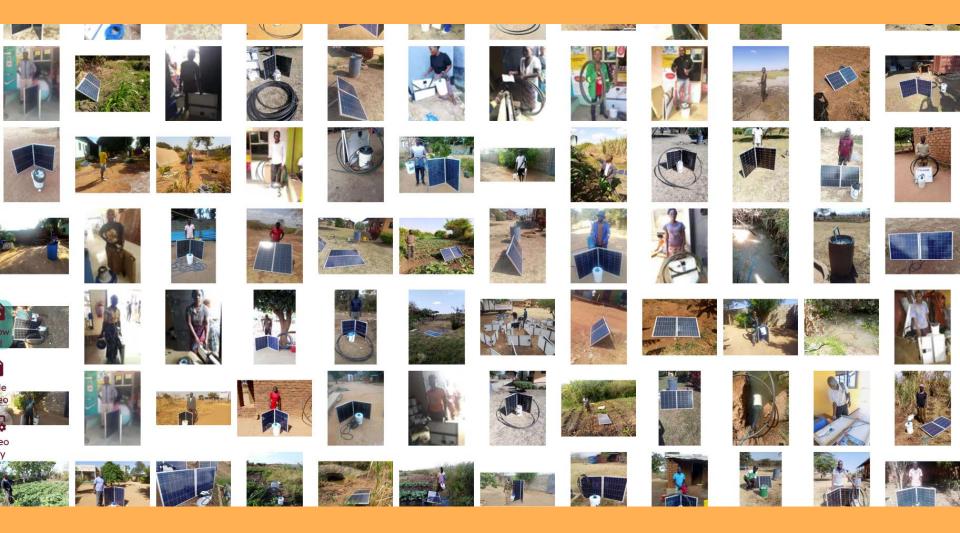
- Production in factory
- Test outside Eastern (300 pumps)

CONTRACTOR OF THE OWNER OF THE

Fine tune

Scale up

Using the Pump



https://self-supply.com/