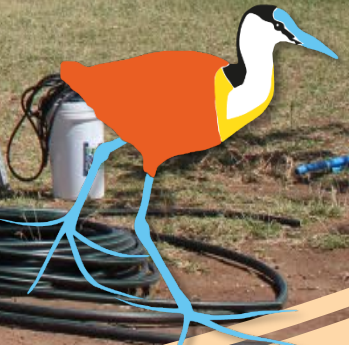




**PARTNERS
FOR WATER**
CO-CREATING IMPACT



**META
META**



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Affordable portable solar pumps

Goal



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Creating a sustainable 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



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Current Design

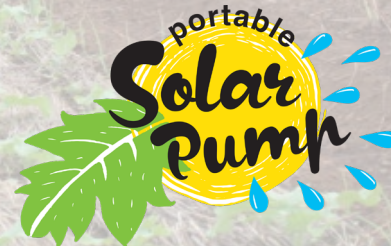


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Components:

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

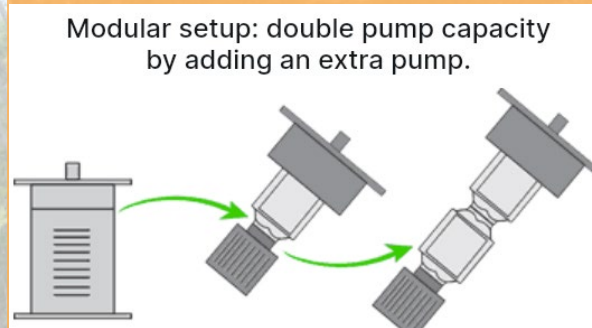


<https://portablesolarpumps.com/>

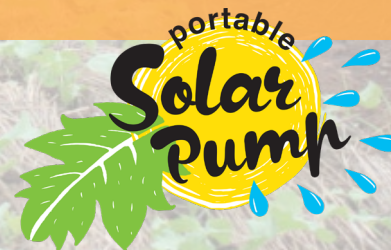
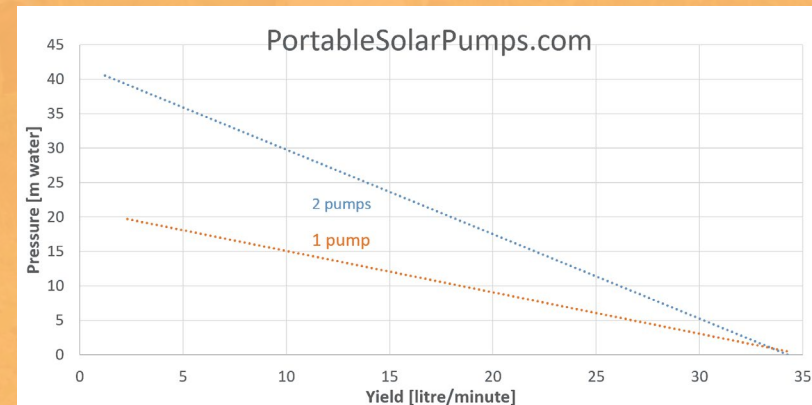
Current Design



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Double USB charging port



Who are involved?

Warehouse: import/distribute:



NGOs (like DAPP):



Retailer / SME:



Farmers:



Jacana / MetaMeta:



The Innovations

Optimizing pump design

- Flow rate
- Cost

Supply Chain

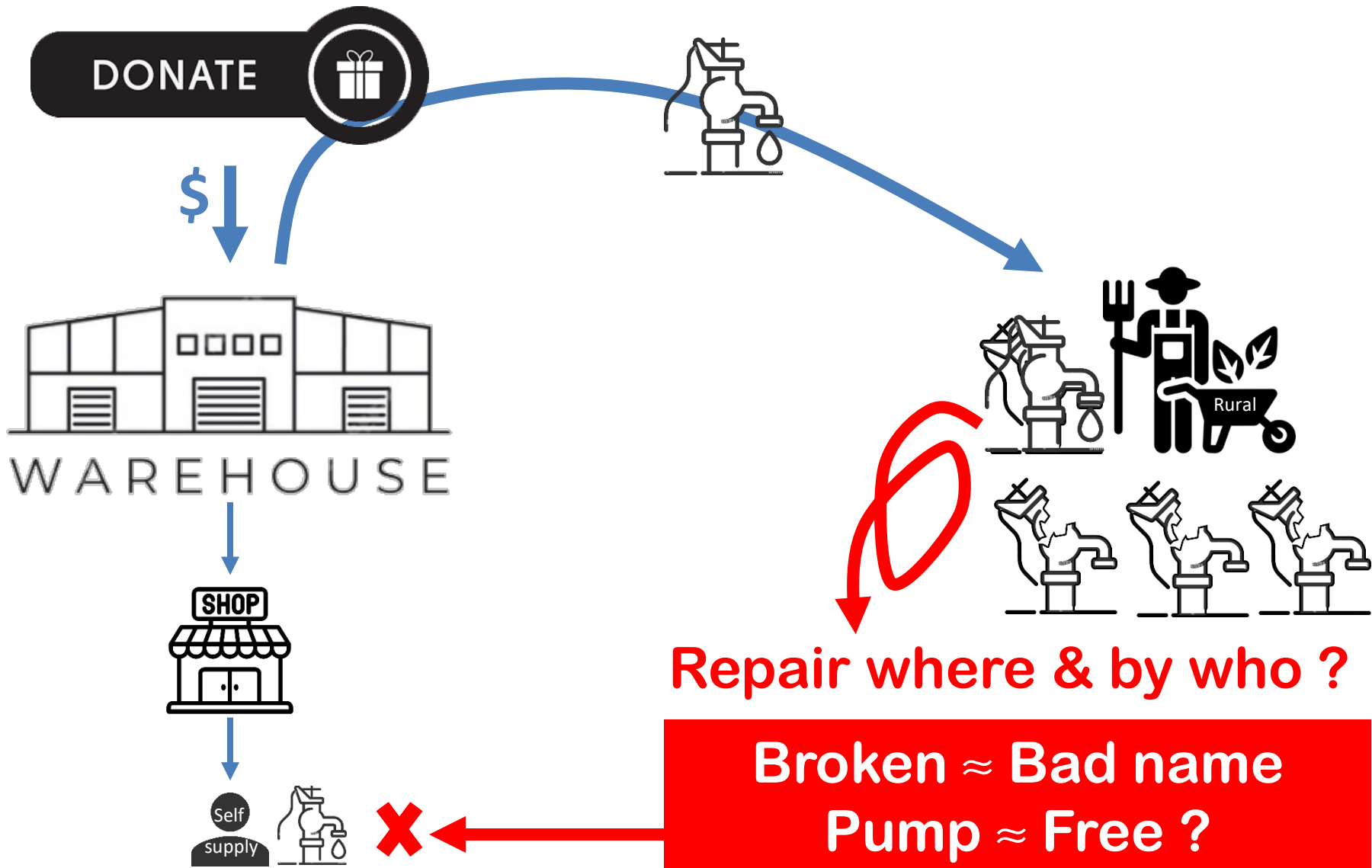
- Discount coupon
- Repairs and after sales
- Self-supply market

Software

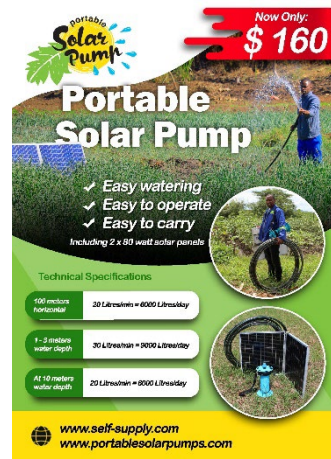
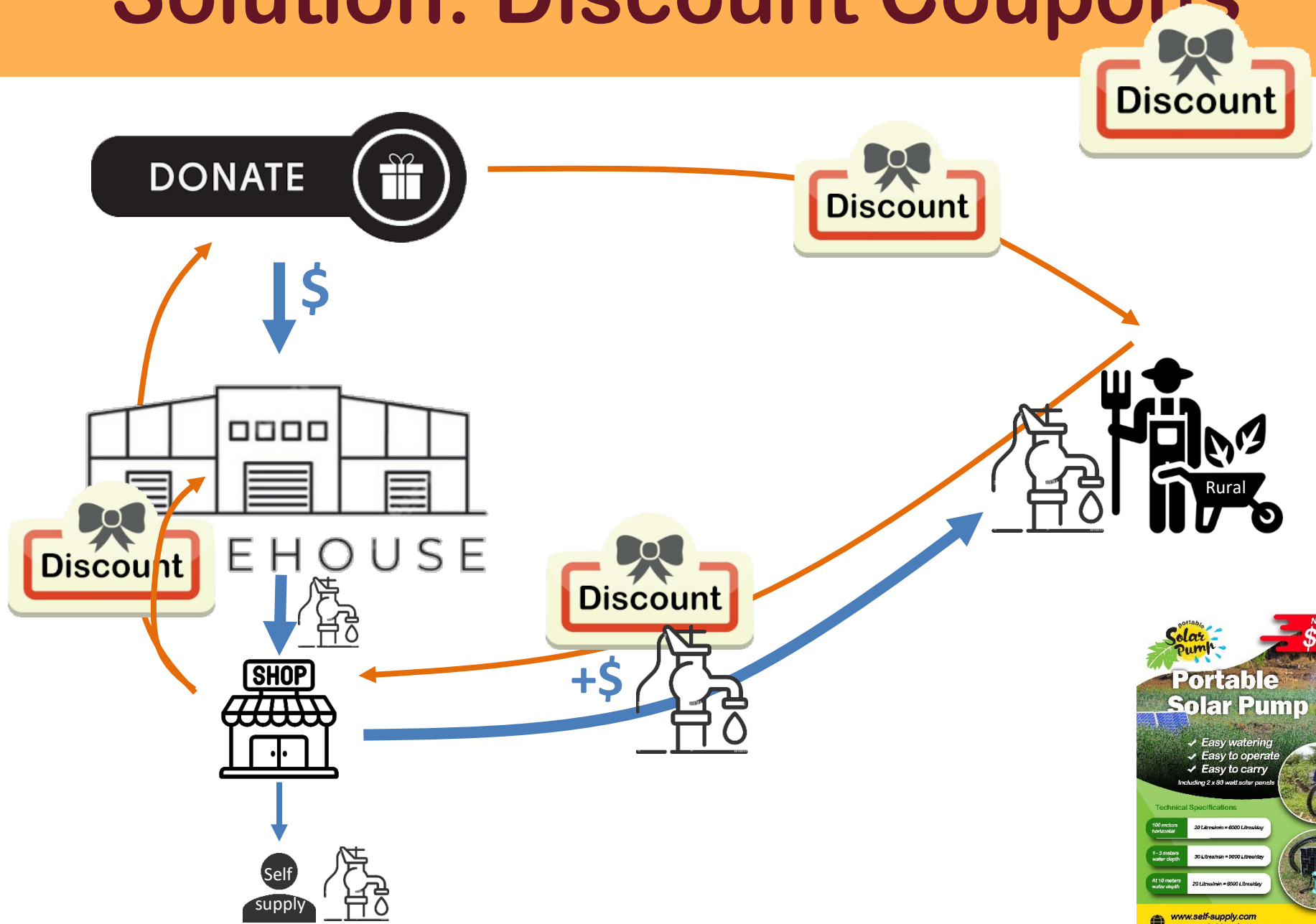
- After sales
- Quality control



Donations distort the markets!

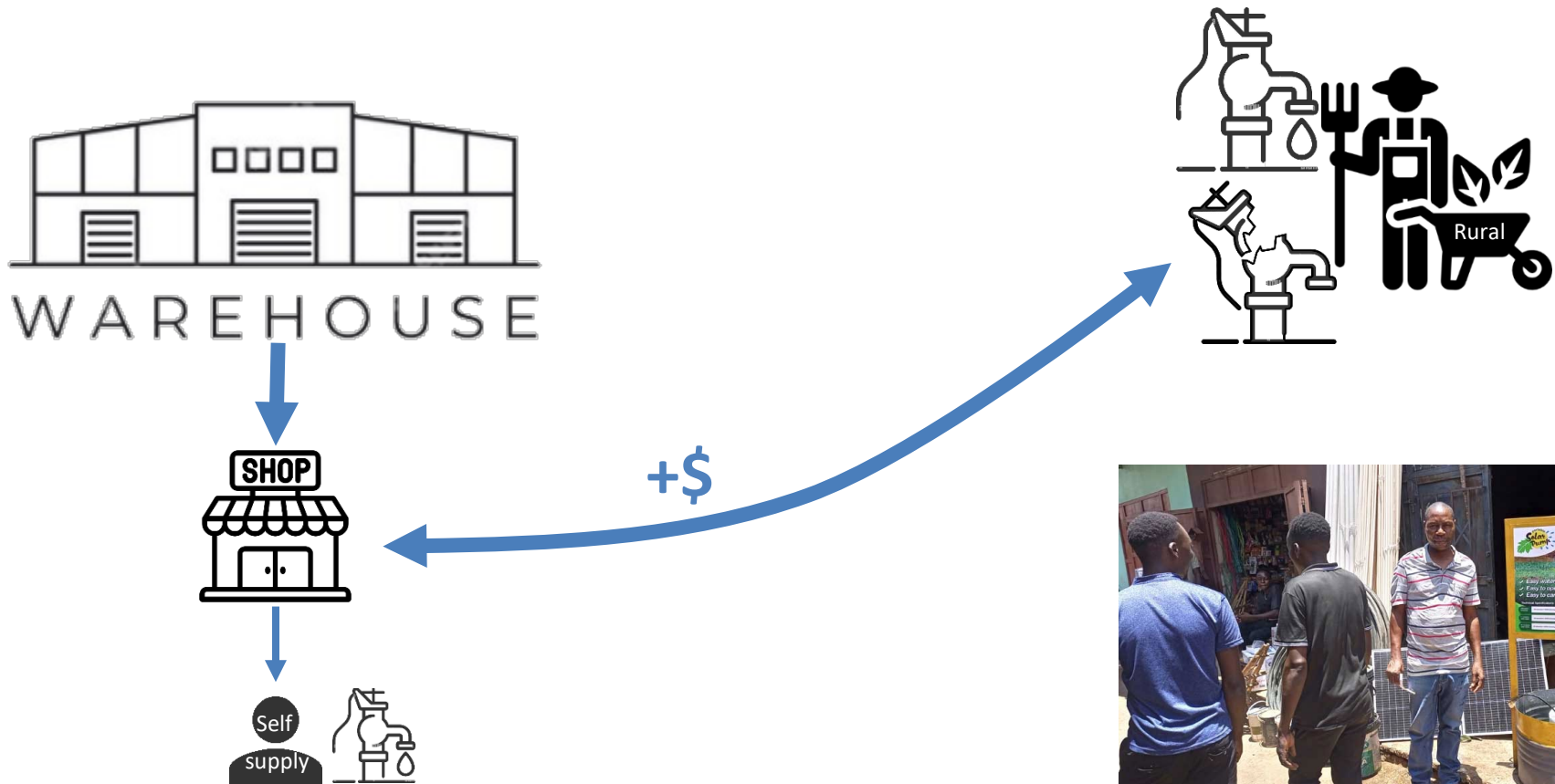


Solution: Discount Coupons

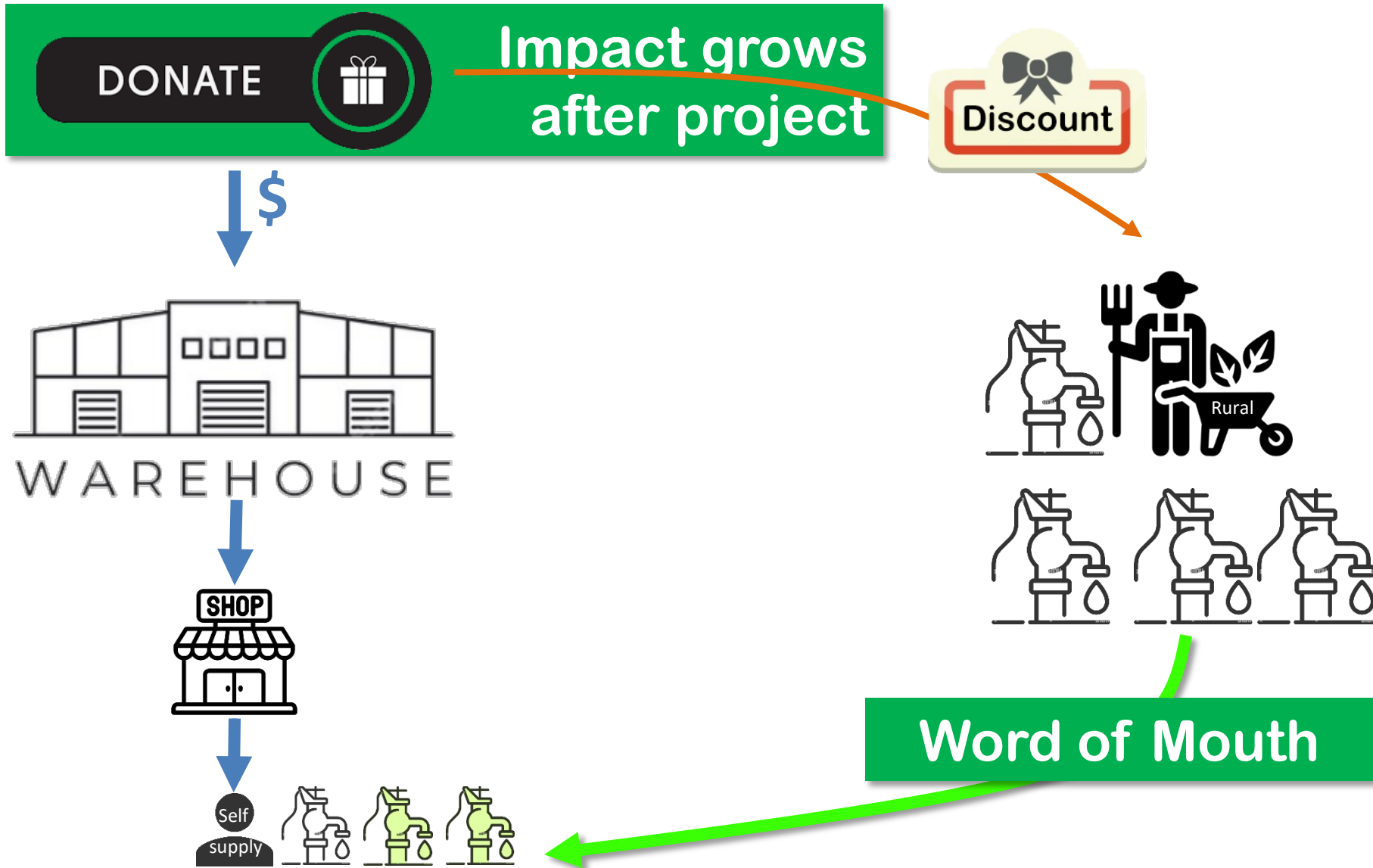


New: Supply Chain

New pumps and Repairs



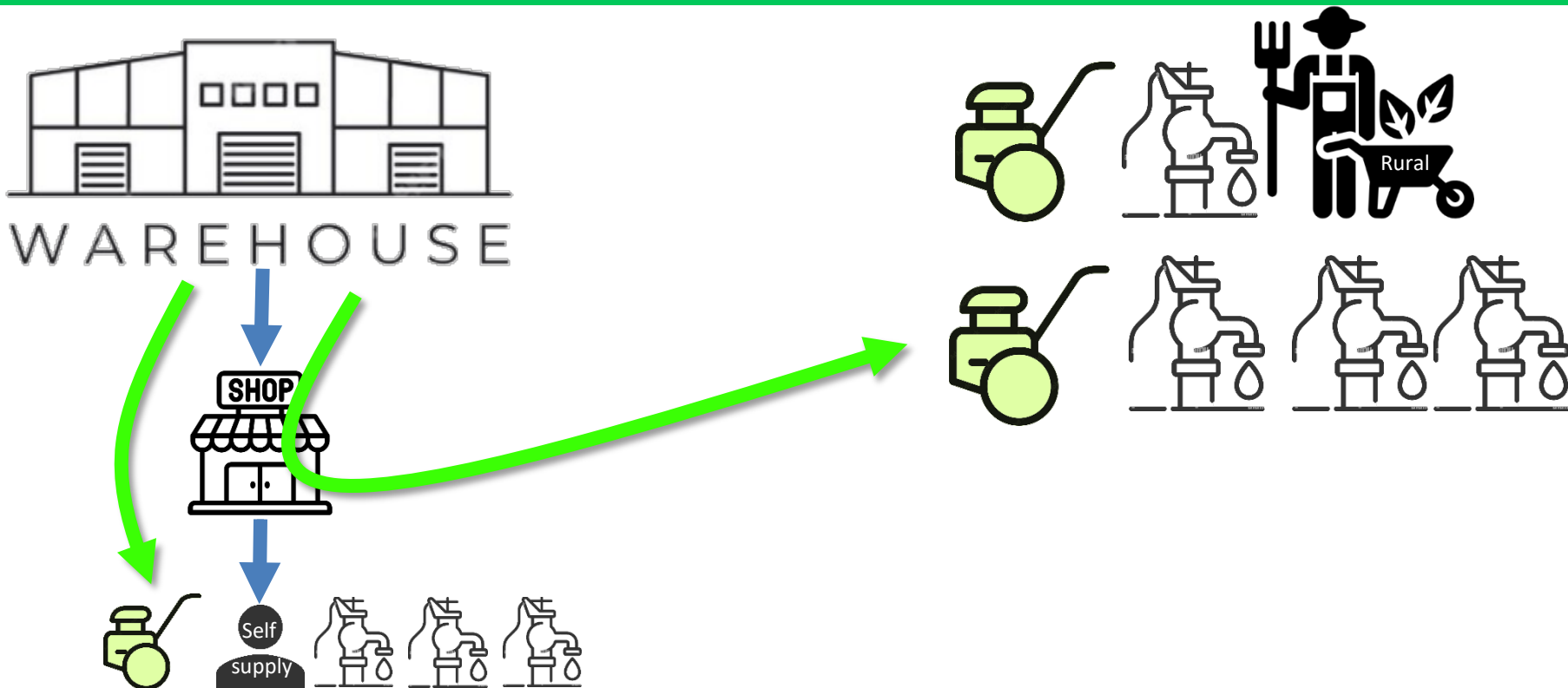
New: Increase Self-supply



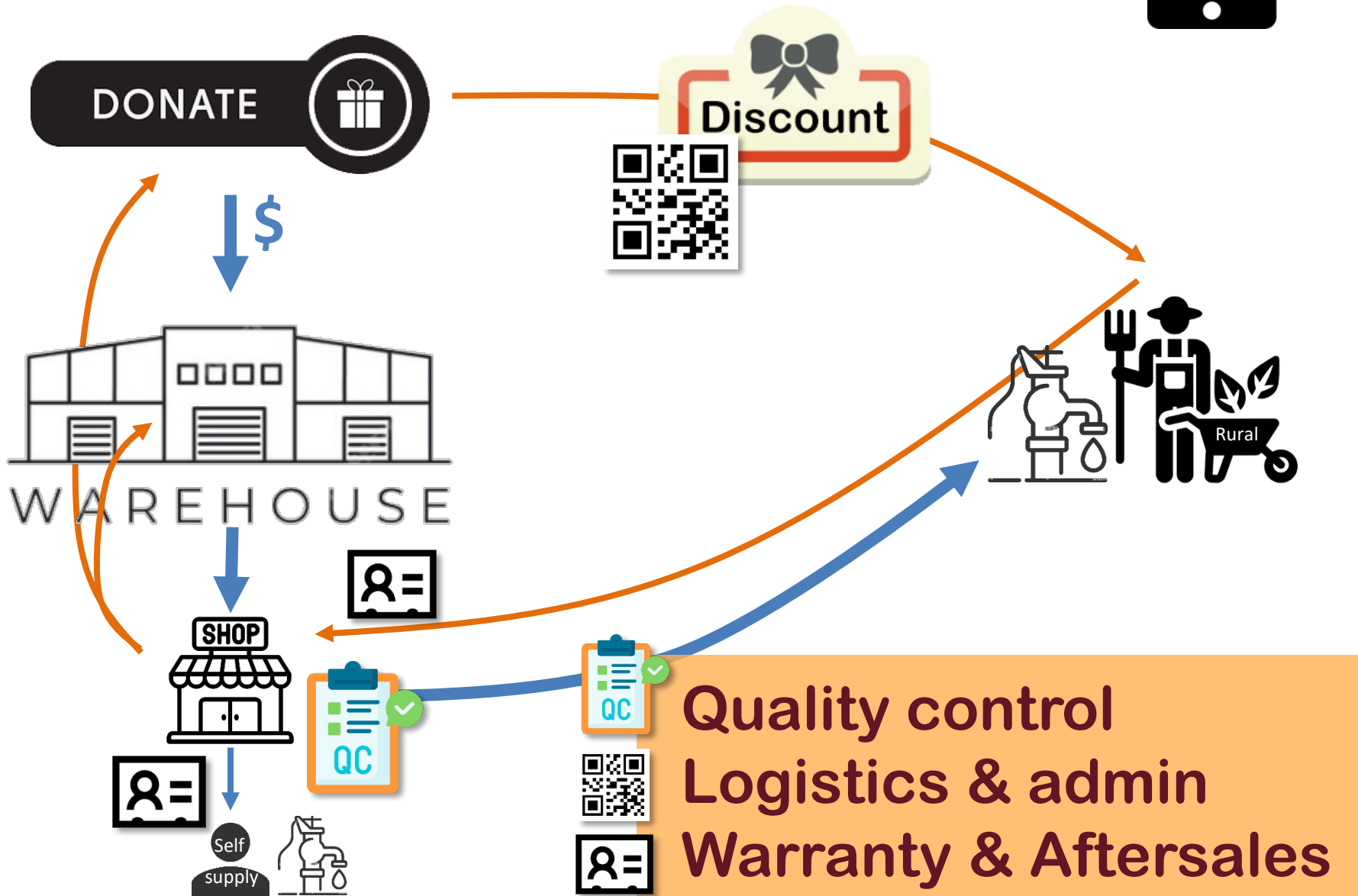
New: After sales

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



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Year 1:

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

Year 2:

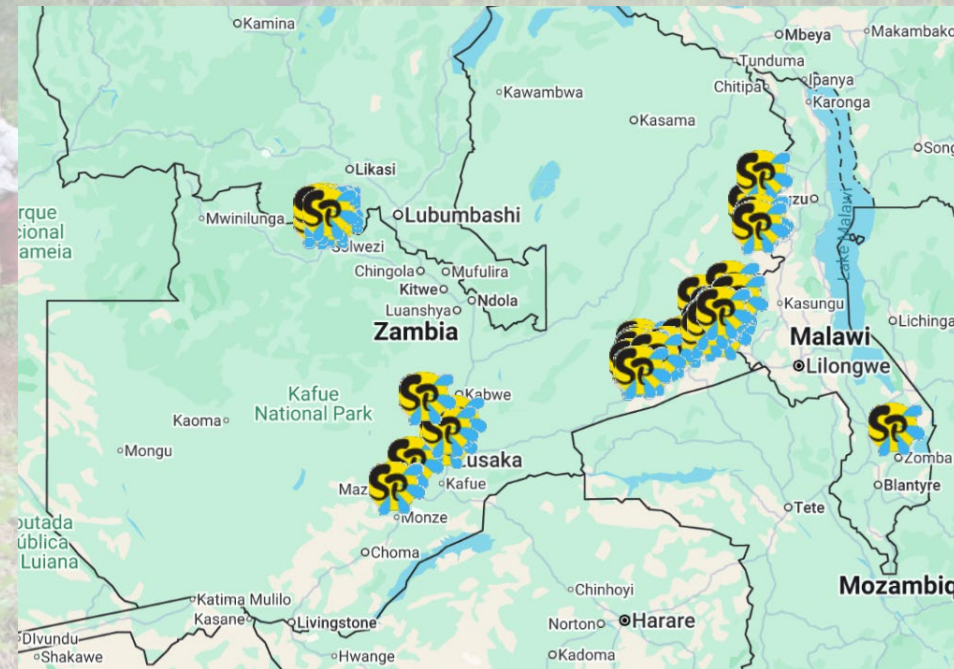
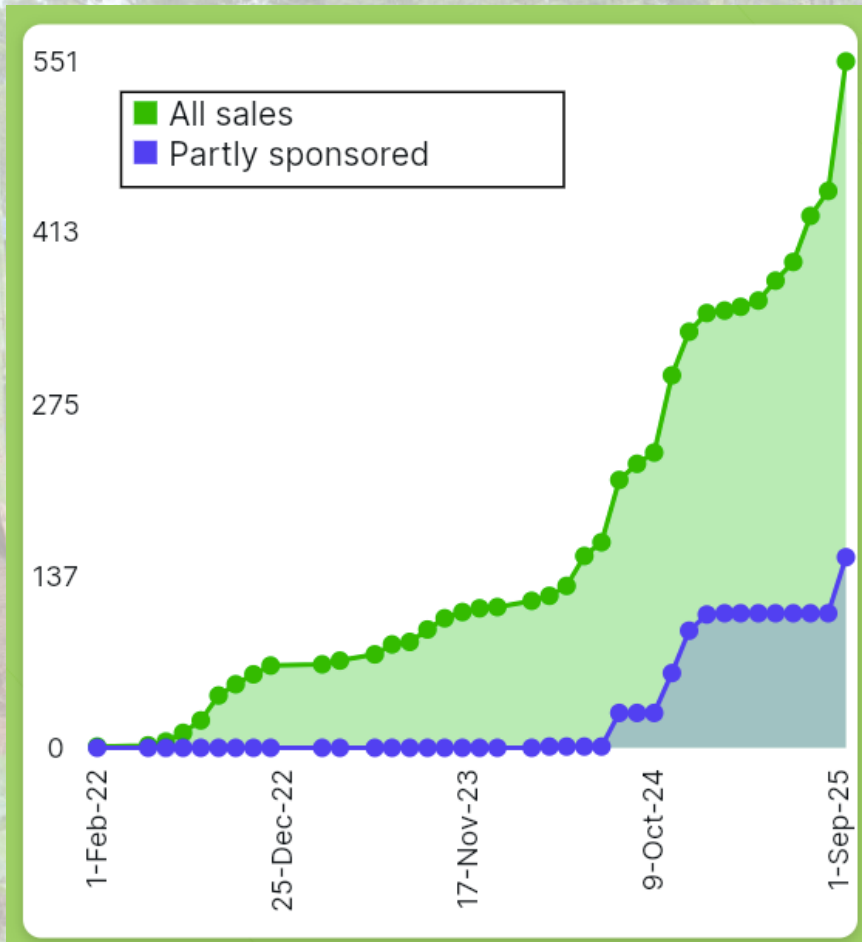
- Production in factory
- Test outside Eastern (300 pumps)
- Fine tune

Scale up

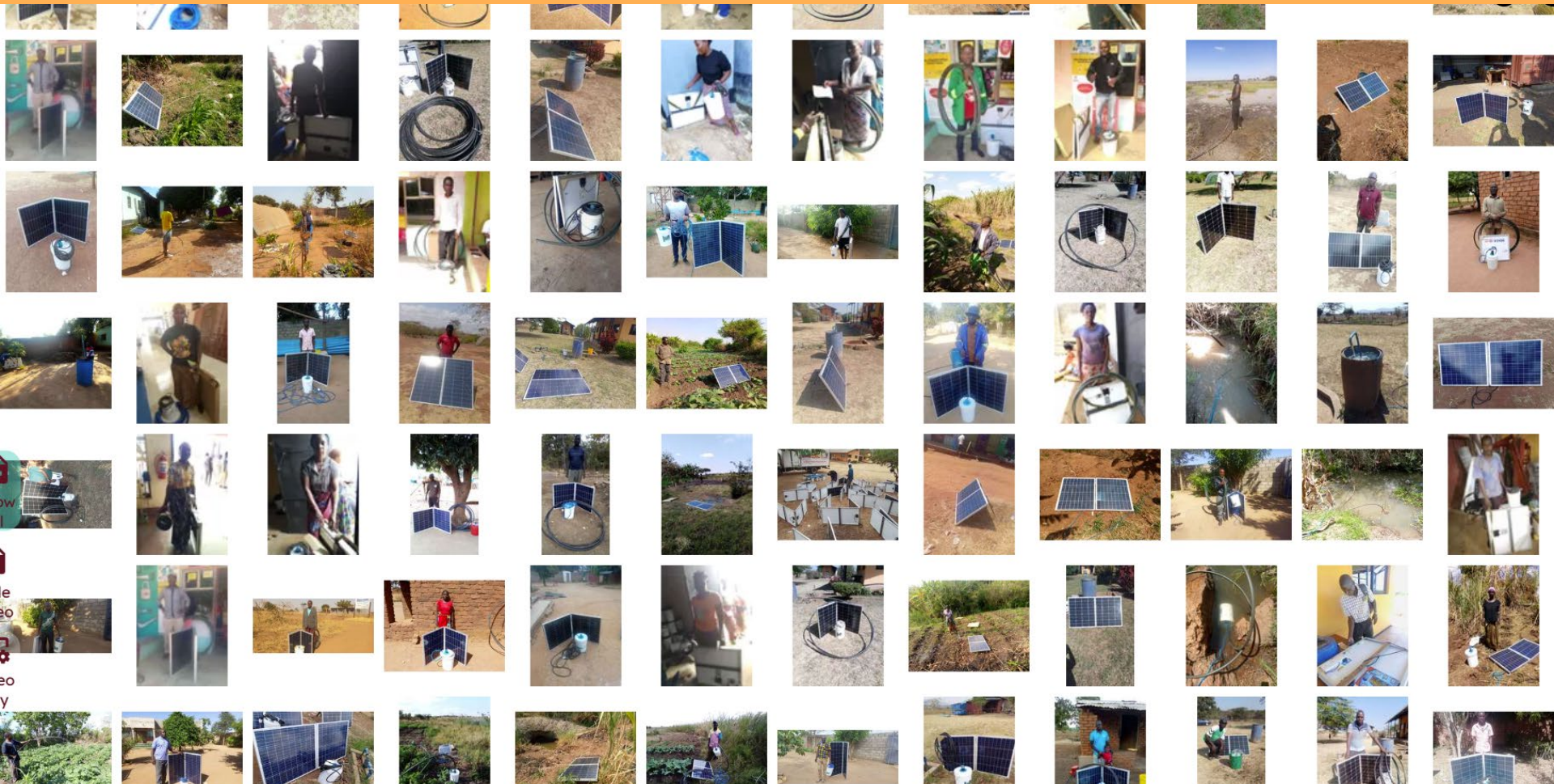
Project Summary



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Using the Pump



<https://self-supply.com/>