


SMARTechs

Simple, Market based, Affordable, Repairable Technologies

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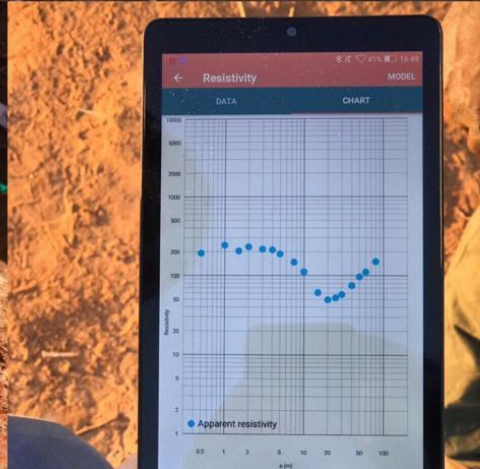


Updates

- VES method, for site selection
 - SHIPO drill, Drill bits
 - Mzuzu drill, well clubs
 - Rope pump, EMAS Pump
 - Solar pumps
 - Water filters
 - Handwashing stations
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VES meter

- Indicates groundlayers that may have water,
- Cost ca 300 US\$ for materials.
- Manual on website
Jacana Zambia



SHIPO drilling

Most countries now use jetting, with a local pump

Drill pipes Gi pipe 1.25 Inch

Deepest well now 50 meters (Zambia)

Longer drill bits, less breakage of sockets



SHIPO drilling

Longer drill bits, less breakage of sockets



Mzuzu drill

5 wells to 21 meters deep
in Malawi with well club

Cost 350 – 400 US\$
including rope pump model 4



EMAS pump

Emas training in Malawi in March, April 2021
Cost 40-60 US\$ off workshop



Solar Pump

BLDC 18 Volt, Lift 12 m. Cost 65US\$

50 pumps in Zambia



Solar pumps

We are testing other Models



Solar pump. Future pump

Capacity: 100 Watt

Suction; max 7 m, pressure 10 m

Capacity; 15 m head. 3000-5000 ltr day

Cost; 700-800 US\$

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Solar pump. Sunculture Rainmaker

Capacity: 120 Watt

Submersible; Head 80 m

Capacity 15 m head?

3000- 6000 ltr day

Cost; 500-600 US\$

Pay as you go

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Water filters. Mini membrane



Grifaid Membrane

100 l /hour
60-80 US\$



Information

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