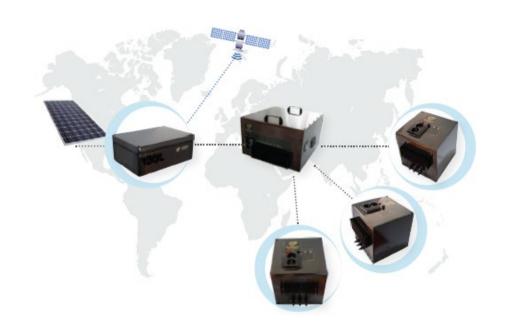
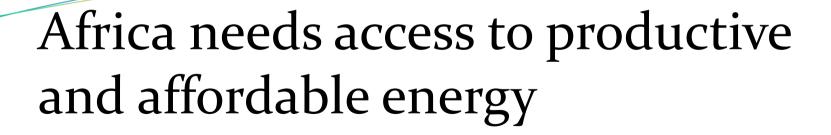


G-Hitech Industries



Powering Health, Education & Productivity through 2nd gen. solar mini-grid solution





0 Kwh

No energy, no development!

+600 M

+600 million people in Africa without access to electricity.

+100 years

At the current rate, it would take more than 100 years to reach 50% electrification in some countries in Africa

>>100 years And hundreds of years for access to productive, clean, reliable and affordable energy

Current energy access solutions need to be refined



Solar Home System(SHS):

- ✓ simple and fast deployment but
- ⊕ insufficient power



Mini-grid:

- ✓ Abundant and reliable energy but
- ⊗ Limited flexibility (sizing or modification)
- ⊕ High cost of distribution network



G-Hitech's objective is to combine the performance of a mini-grid with the ease of deployment of a solar home system



G-ESS mesh-grid = G-HITECH's proprietary technology to accelerate energy access



G-EES mesh-grid

One node of the G-ESS meshthe cornerstone of the grid allows up to 4 users to share electricity



The G-ESS mesh-grid with interconnected nodes enabling a flexible and distributed grid

Benefits of G-ESS Mesh-Grid







Powerful

Provide enough
power (up to 3kW)
enabling users to
run income
generating
activities



Tradeable

Owner of solar panels and batteries can share/sell their excess energy to others in their community



Scalable

Start small and grow organically with the energy demand, providing a flexible and adaptable energy solution



Smart

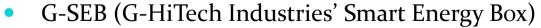
Satellite connection enables (global) predictive maintenance and PAYGO services for improved efficiency



Optimized

Lean design and high-quality components to increase efficiency and durability while reducing logistic and cabling costs.

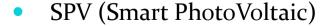
G-ESS Components



- High Specific energy batteries (7.2 28.8 kWh/350 VDC)
- BMS (Battery Managment System)
- Solar battery charger (PWM/MPPT)
- DC/ AC inverter (3 kW / 350VDC Input / 220 VAC Output)



• DC/ AC inverter (3 kW / 350VDC Input / 220 VAC Output)



Data transfert via satellite

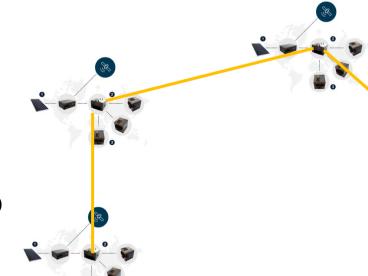
















THANK YOU



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