

SOLAR E-BIKE AFRICA - Project Update

Solar-powered E-Bikes and E-Scooters as a cost effective and CO₂ neutral mobility for everyone in urban and rural Areas

in collaboration with:



THE E-BIKE PROJECT SO FAR, WITH EXPERIENCES FROM UGANDA AND NAMIBIA

Since September 2017, we have been testing 3 E-Bike Taxis in the Bukaya Village in Uganda. First results of the project are very promising with reports of higher distances being covered, income having slightly increased and most of the beneficiaries having reported that the E-Bike has made a significant impact in their lives.

In addition to these E-Bikes, we are currently running parallel tests on an E-Scooter in Bukaya. E-Scooters are an upcoming trend in Uganda and are, unlike E-Bikes, now locally available for purchase from manufacturers in Kampala.



One of our Partners, Suncycles Namibia, has been working on an innovative *Solar Hub* project in Namibia which involves modifying shipping containers with solar modules, solar home systems, e-bikes and e-scooters. These Hubs support the community's daily needs while operating as independent economic entities.

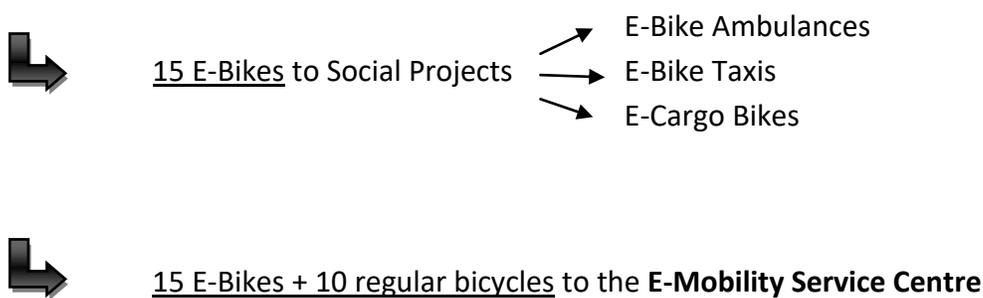
The knowledge gathered from these Solar hubs, together with our tested E-Bikes and currently being tested E-Scooter in Uganda, has led to the idea of establishing a similar 'E-Mobility Service Centre' in Uganda together with Suncycles Namibia and our local Ugandan Project partner the First African Bicycle Information Organisation - FABIO.



OUR NEXT PHASE - E-MOBILITY SERVICE CENTRE

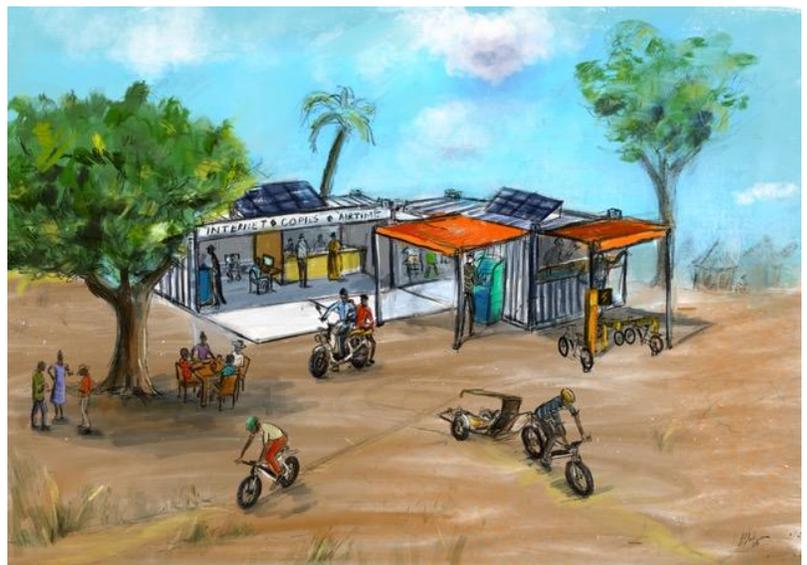
In this next E-Mobility Service Centre phase, we will obtain a container of roughly 30 E-Bikes which we will receive dismantled and will assemble on site in Uganda. Half of these E-Bikes will be used in a sharing station, the "E-Mobility Service Centre" and the other half in various E-bike Ambulance, E-Cargo Bike and E-Bike Taxi Projects in Uganda - specific locations are still to be decided. The idea is that the 15 E-Bikes for the sharing station will run by a Ugandan entrepreneur and will generate income and the other 15 will be donated. We also plan to include 2 E-Scooters bought from manufactures in Kampala and a few regular bicycles to the E-Mobility Service Centre.

Next steps: We will obtain a Container with 30 E-Bikes and 10 Regular bicycles



The E-Mobility Service Centre will include:

- Rentals of E-Bike, E-Scooter and regular bicycles (always for a day or less, not overnight)
- Opportunities of purchasing an E-Bike or regular bicycle
- E-Bike, E-Scooter and bicycle repair
- Battery swapping system and rental
- Mobility Service Centre (Container) as a solar charging point for possibilities such as mobile phone charging
- Social services: WIFI, computer access (2 computers) and opportunities to print documents
- A mobile phone based payment system



Project Time period: 1 Year