



## The e-bike as an entry point to sustainable mobility in Africa

### A New Mobility Culture in Africa

Entering e-mobility comes with a new guideline for transport policy and a sustainable alternative to the fossil age of mobility. By combining individual and zero emission mobility, e-bikes are positioning themselves at the very top of climate-friendly transportation and are thus an essential part of the global transport revolution.



### Transfer of Technology

With the African E-Bike, for the first time a vehicle has been specially designed from the ground up for the African continent. Through close cooperation between the German organization EURIST and the African partner FABIO, local requirements as well as African and European expertise were incorporated into the design of the e-bike. The combination of solar energy and battery-powered e-mobility with bicycles brings a new and user-adapted technology onto African roads.

*“The African E-Bike is a milestone in the Ugandan transition towards sustainable mobility.”*

- Katesi Najiba, CEO of FABIO

### International Partnership

A long-term transcontinental cooperation between the European Institute for Sustainable Development (EURIST) and the Ugandan NGO FABIO (First African Bicycle Information Organisation) serves as a solid basis for the African E-Bike. With the financial support of KfW, the project is intended to strengthen multilateral cooperation and expand sustainable production chains.

### Sustainable Development Goals

From "End Poverty" over "Strengthen Global Partnership" to "Gender Equality": **The African E-Bike supports 11 of the 17 Sustainable Development Goals of the United Nations!**



### Climate protection

As a contribution to climate protection, the African e-bike helps reducing CO<sub>2</sub>-emissions. At the same time, air and noise pollution are reduced, thanks to the use of green energy and innovative technology.

# A Universal Allrounder

Being affordable and robust, the African E-Bike can be used across many sectors of activity:

## E-Bike Taxi

As a two-wheeled cab, the solar-powered e-bike offers an environmentally friendly solution to the problem of noisy and dangerous motorcycles. In addition, the African e-bike offers new jobs in the transport sector.



## E-Bike Ambulance

In rural Africa, reaching a medical facility in time in case of an emergency can be challenging. Children and pregnant women are particularly at risk. E-bike ambulances save lives!



## Water E-Bike

In many regions of Africa, access to clean water is difficult, as the transport routes to the nearest water point can be very long. Mostly on foot, women are in charge of over 90% of these transport routes, which is why the African E-Bike provides them the needed support.



## Delivery E-Bike

Whether it is medicine, freight or waste, urban and rural logistics in Africa benefit from the versatile Delivery E-Bike. It strengthens environmental awareness, security of supply (resilience), and is the first step toward recycling management.



## The African E-Bike

- Affordable price
- Robust components
- High load capacity: 100 kg
- Range of about 50 km
- Reasonable speed of 30 km/h

## Microfinancing

The purchase of an own vehicle in Africa is often only possible through microfinancing. With donations, microcredits can be subsidized, and the taxi drivers become owners of their own African E-Bikes after 2-3 years!

## Contact

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