

E-Bike Pilot Project in Uganda

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E-Bikes ready to be used as taxis

Since March 2022 atmosfair with its partners [EURIST](#) and [FABIO](#) is testing the use of E-Bikes as taxis in Jinja, Uganda within the scope of the [African E-Bike project](#). With the 12 electric bicycles of the pilot subproject we want to find out how they stand the test of daily use and how large their CO₂ emission savings are: how many kilometers do the drivers cover each day and how many trips by motorcycle, car or bus can the E-Bikes replace.



The design of the E-Bike resembles that of the popular motorcycle taxis in Uganda

So called boda boda bicycle taxis with a passenger seat mounted on the rear rack have been used in East Africa for decades. Similar motorcycle taxis under the same name, faster and with less exhaustion for the driver have replaced the bicycle version to an increasing degree – at the expense of more air and environmental pollution.

Thanks to the electric auxiliary engine, the E-Bikes can reach speeds of 30 km/h and can be a more ecological and – especially with the strongly increased

fuel prices – a more cost effective alternative for the boda boda drivers.



E-Bike taxis in operation in Jinja, Uganda

Deutsche Welle coverage of the project:

<https://www.dw.com/en/africrooze-e-bikes-made-for-the-african-market/av-62393754>