



INTEGRATING ELECTRIC 2 & 3- WHEELERS INTO EXISTING URBAN TRANSPORT SYSTEMS IN DEVELOPING COUNTRIES

As of: October 2021

The transport sector makes a massive contribution to air pollution and climate change. Two and three-wheeled vehicles are the primary means of transport in many Asian and African countries, so switching to electromobility offers enormous potential for reducing greenhouse gas. The project develops programmes in six countries for the transition from internal combustion engines to electric and non-motorised two and three-wheelers. The aim is to integrate these modes of transport into existing urban transport systems. A political framework is being created that will drive the general development of electric mobility in the target countries, so these countries should serve as models for climate-friendly changes in other countries' transport sectors. This intervention has a direct impact on the population of the countries by reducing air pollution, improving national energy security, creating green jobs and helping to reduce poverty and inequality.

State of implementation/results

- Development of a free tool to estimate the potential for energy, emissions and cost savings from shifting to electromobility (www.unenvironment.org/...).
- Development of a free database containing information on fiscal, regulatory and other policies related to electromobility in countries around the world (www.unenvironment.org/...).
- In October 2020, policy guidelines for 2- & 3-wheelers were published by Clean Air Asia and UN Environment.

Kenya/Uganda:

- In March 2021, pilot projects were launched in both countries for testing electric two-wheelers in various fields of application
- Support of the Kenya Bureau of Standards (KEBS)

PROJECT DATA

Country/Countries:

Äthiopien, Kenia, Philippinen, Thailand, Uganda, Vietnam

Implementing organisation:

United Nations Environment Programme (UN Environment) - Kenya

Political partner(s):

- Department of Alternative Energy Development and Efficiency (DEDE) - Thailand
- Department of Energy (DOE) - Philippines
- Energy Regulatory Commission - Kenya
- Ethiopian Road Transport Authority - Äthiopien
- Ministry of Energy and Mineral Development - Uganda
- Viet Nam Register of the Ministry of Transport - Viet Nam

Implementing partner(s):

- Clean Air Initiative for Asian Cities Center, Inc. (Clean Air Asia) - Philippinen
- Sustainable Transport Africa (STA) - Kenya

BMU grant:

€ 3,333,500

Duration:

03/2017 till 12/2022

Website(s):

<http://www.unenvironment.org/explore-topics/transport/what-we-do/electric-mobility/electric-two-and-three-wheelers>
<http://www.unenvironment.org/resources/publication/global-electric-vehicle-policy-database>





in developing standards and specifications for electric mobility in Kenya (UN-Environment and GIZ) (kenyalaw.org/...).%20-%20Pages%203752%20%20%E2%80%93%203753).

Philippines:

- Support of Philippine partners in the development of national standards for electric road vehicles. 23 standards for electric road vehicles were adopted.
- On 26 November 2019 a pilot project with Philippine Post Corporation (PHL Post), TAILG and Clean Air Asia was launched at a press conference in Pasig City (www.youtube.com/...;v=RstKYZ4S6aQ).

Thailand:

- In March 2021 a stakeholder workshop was held on the topic of "Mainstreaming electromobility in Thailand"

Viet Nam:

- In December 2020, a final report on "Mainstreaming electric mobility in Viet Nam, focussing on two-wheelers" was presented at a stakeholder workshop.
- In March 2018, pilot projects were launched in Hanoi together with the Vietnamese Ministry of Transport and Honda Viet Nam.

