

Support Electric Mobility in Sub-Saharan Africa

Project description

In sub-Saharan Africa, the transport sector account for 14.5% of total energy combustion, the sector is the second largest source of CO₂ emissions in Africa, accounting for 28% of the total emissions of the continent.

The purpose of this project is to tackle these issues with the distribution of 9 million electric motorcycles (2 wheelers and 3 wheelers) in different countries across Africa, and build assembly factories and swapping/charging stations in each country where the project will take place.

MAUTO's electric motorbikes will be mainly used by taxi, delivery services and individuals. Since fossil fuel powered motorbikes are almost considered as the public transportation system of most of West African countries, introducing electric motorcycles will significantly reduce the carbon emissions created by the existing vehicles. To monitor all trips and calculate emission reduction, all the bikes are fitted with advanced IOT systems to track their kilometers traveled, speed, location etc. Around 80% of the electricity that will be used for charging the vehicle will be from solar PV recharge stations.

Project developer

MAUTO is a company that started operation in 2015 with the introduction of electric three-wheelers in India. Since then they deployed over 80,000 vehicles in different cities all over the country. Building on this expertise, MAUTO started to operate in Africa in 2021 launching its service in Togo. From 2022 MAUTO will develop its activities in West African countries like Benin, Burkina Faso, Niger, and many will follow. MAUTO is working relentlessly towards building the largest manufacturing units with the production of a thousand bikes every day.

adera

Project details

Project name:

Grouped Electric Bikes project in Africa

Project type:

Electric vehicles

Location:

West Africa

Project owner:

MAUTO

Status:

Operational

Project ID:

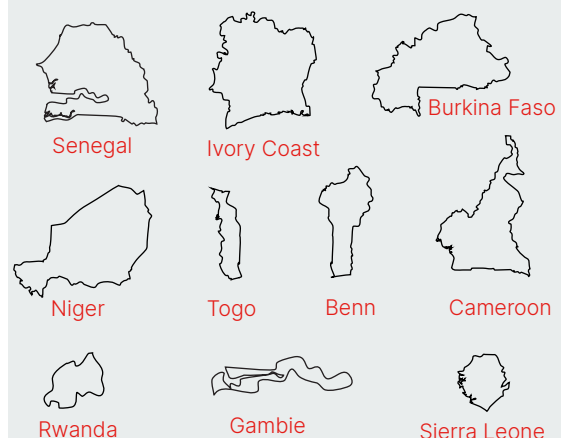
Verra VCS (under listing)

Key facts

2m tCO₂
saved/year

1,7m e-bikes
distributed each year

10 countries
of operation



Pictures



Impacts



Bikes are considered as one of the most efficient public transportation system in West African countries.

The project introduces electric bikes that will reduce the carbon emission created by the existing vehicles.



MAUTO has a strong policy on women's employment.

The bikes are operated by women technicians who are a part of MAUTO's huge diverse and inclusive workforce.



MAUTO is using local workforce for its factory, drivers and maintenance mechanics.

The project will create more than 2,000 jobs locally.



The transport sector is the second largest source of emissions in Africa.

Thanks to the project, 2,000,000 tCO2 will be saved each year.

Key facts

2,000 jobs

to be created locally for manufacturing and maintenance.

\$2/day

price paid by taxi drivers to rent electric motorcycles (two times cheaper than thermal bikes).

10 years

average lifespan of electric motorcycles (3 years average for thermal bikes).

Sustainable Development Goals



aera

28 cours Albert 1^{er}
75008 Paris
France

@aera_group
 @aera-group
 @aeragroup

www.aera-group.fr