

Leading a clean transport revolution across West Africa

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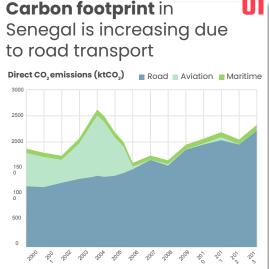
## Our goal is to push the UN Sustainable Development Goals by leading a clean transport revolution in West Africa – starting in Dakar, Senegal

Mbay aims to lead the Electric Vehicle (EV) ecosystem in West Africa

Focusing on **EV** supply & our **EV** financing solution

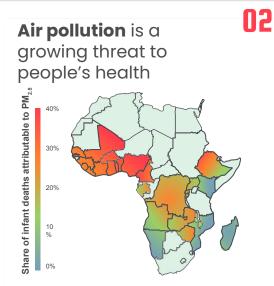


# West African cities face increasing traffic-related pollution problems, caused by old cars using dirty, expensive fossil fuels



**100%** of cars in Senegal run on fossil fuels, emitting **2.2m** tons of CO2 per year

Sources:,<u>Bertrand Tchanche "Dynamics of Greenhouse Gas</u> (GHG)\_Emissions in the Transportation Sector of Senegal"



**1 out of 4** infant deaths in West Africa are now related to air pollution

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**Taxis** are responsible for a large part of these problems

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Old taxis are **45% of traffic** flow and cause **40% of air** pollution in Dakar

Source: <u>CGR Consultants & World Bank</u>, Bertrand Tchanche "Dynamics of Greenhouse Gas (GHG) Emissions in the Transportation Sector of Senegal". <u>Madina Dourmbia et al "Emissions from the</u> Raad Traffic of West, <u>African Cities</u>", <u>CEIC. CGR.</u> Trotignon G. et al "Cost Benefit Analysis of Replacing Conventional Taxis by EV Taxis in Dakar, Senegal", Oeconomia Expertise SARI, 2021

Source: Stanford university study

### Mbay supplies affordable, robust and comfortable EVs that generate significant cost-savings



**Overall Dimensions:** 377 x 165 x 157 cm Compact for parking, steering and pedestrians



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Range: 250 km Easily covers the taxi day run

Charging time: 40 mins to 11 hours Can be charged at night when demand is lower

Max speed: 100 km/h Can access speedways in Dakar

Min ground clearance: 128mm Can cope with non-paved roads

#### **Air conditioning**

Passenger comfort in hot West African climate

#### **Maintenance benefits**

Easy and less costly maintenance

#### **Potential suppliers:**



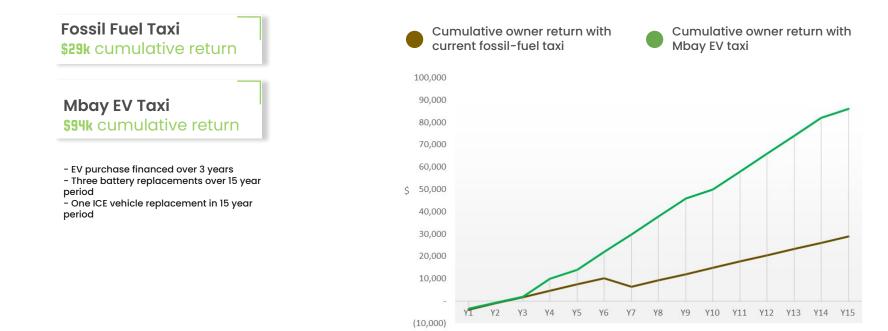








## Mbay's EVs are perfect for commercial uses like small goods delivery and taxis, generating immediate savings and up to \$65k (40m CFA) extra income over 15 years



## Mbay's financing solution unlocks bank credit for EV purchases. This make our EVs even more affordable, increases market size and accelerates EV adoption

### Mbay's pay-as-you-go financing product:



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Mbay sells EVs on credit, and retains ownership until repayments completed

Mbay receives monthly payments over 3 year lease-to-own period



Onboard GPS hardware tracks the EV location and driving behaviour

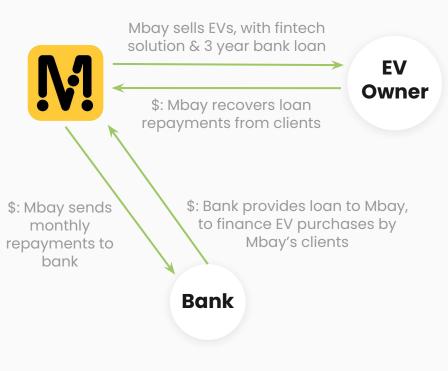


Onboard pay-go system immobilises the EV if payment not received



EV reactivated once payment received

EV recovered if payments not resumed



### Key takeaways:



**Network: is vital** - networks (public & private) are vital in developing economy for new tech to navigate bureaucracy, reach clients/partners/investors, unblock things



Focus: saying no is so important - even limited success brings suggestions and offers of new activities, but distraction will damage core business



**Patience/resilience: nothing will happen fast** - relatively new technology in new context, with no existing ecosystem and regulatory framework; ndank ndank!



**Customer focus/service: know client's needs** - private sector Qs maintenance, charging, insurance... public sector Qs public health, grid capacity, fiscal impact, ODA



Talk, talk, talk: minor risk, major benefit - so much to learn, so much to polish, and so much to iterate. You won't fail because someone stole your idea

If you would like more info, we can organise a call and send you more materials

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