General Information about the City

Population 4.397 million

GDP (US Dollars) 78 billion

Annual rainfall 768.5 mm/year

City area 696 km²

Climate risks
- High temperatures
- Flood

Number of car ownership 24 per 1,000 inhabitants (Kenya)

Average temperature 19 °C

Urban Mobility System

Modal split

Walking (39%)

Public Transport (46%)

Car (13%)

Other (1%)

Public transport modes
- Matatus (Minibuses with private operators)
- Buses (private operators)
- Ride hailing (Uber, Bolt)
- Boda boda (motorcycle taxis)

Total no. of routes
50 (Nairobi Metropolitan area)
Climate and Urban Mobility Policies

Vision for net zero urban mobility
- BRT and light rail system implementation between 2018 and 2030 (spearheaded by the Nairobi Metropolitan Area Transport Authority);
- Transformation into an active-mode friendly city by 2027.

Political commitments
Pilot the use of electric hybrid vehicles (buses) and introduce appropriate incentives for their use.

Electrification Model
Pay-As-You-Drive
The Pay-As-You-Drive model is designed to make the bus purchase similar to a diesel bus. The owners can access the Pay-As-You-Drive battery subscription service that covers battery charging, warranty, service and maintenance. The operators pay directly to BasiGo and charged daily on kilometers driven.

Procurement and planned projects
- TUMI E-Bus Mission;
- Electrification of the Bus Rapid Transport system;
- The government of Kenya has put out a tender for procurement of e-buses. Upto 100 zero emission buses are targeted for the first year of BRT operation (December 2022).

Electric Buses

Targets for electric bus adaption
60 e-buses until 2022.

Experiences
There are 2 e-buses operational in the city after being launched in March, 2022 by BasiGo Company.

Bus technology share

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<tr>
<th>ICE – Buses</th>
<th>Hybrid-Buses</th>
<th>E-Buses</th>
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