

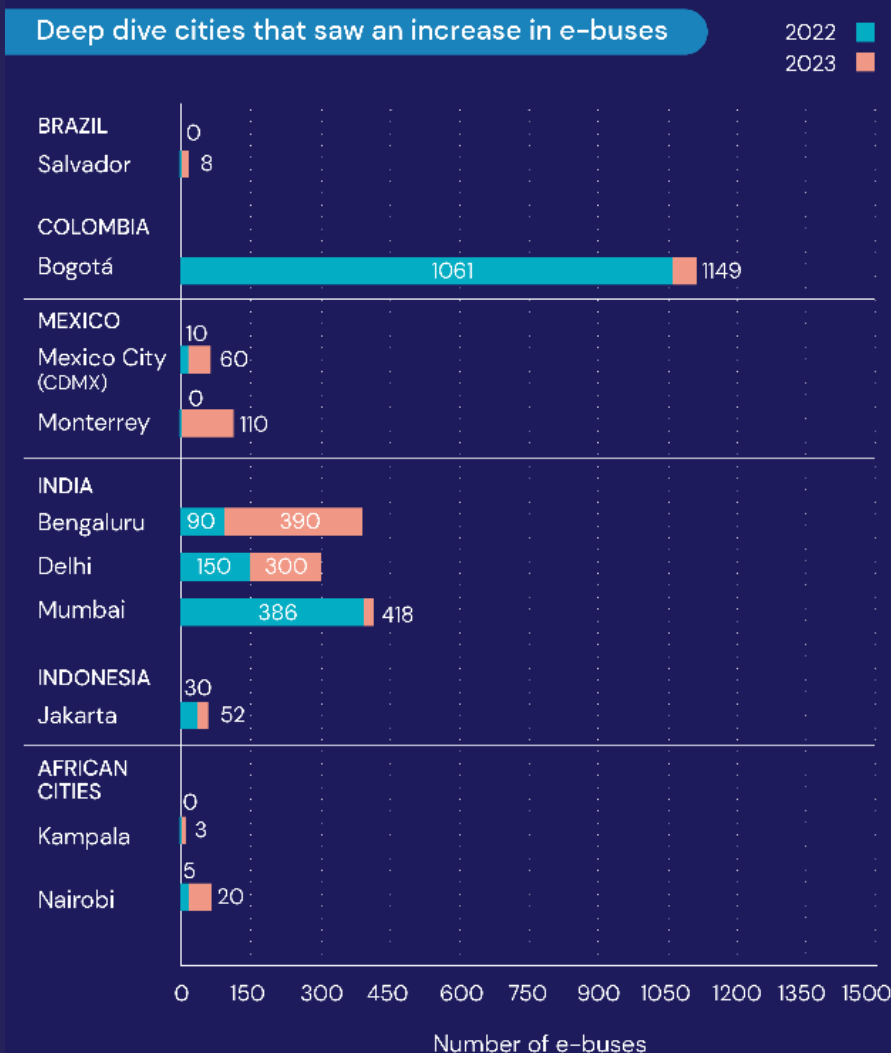
Increase of E-Bus Deployment

In 2021, the [TUMI E-Bus Mission](#) started to support 20 deep dive cities around the world and building up a network of cities for accelerating e-bus deployment in the Global South. The overall goal continues to prepare the cities for the procurement of 100,000 e-buses from 2025 on. After two years of a coalition of several partners (C40, ICCT, ICLEI, ITDP, UITP and WRI) it is time to look at what progress has been made.

In the previous article we had a look at the commitment to ambitious goals for e-bus deployment in the near and mid future. In this episode we want to have a look on the progress when it comes to e-bus deployment in the cities and the regions.

Between 2022 and June 2023, ten of the deep dive cities experienced e-bus growth and the scale of the actual deployments was noteworthy.

Tracking E-Bus Deployments in TUMI E-Bus Mission’s Deep Dive Cities



- 778 electric buses have been added to the e-bus fleet of the deep dive cities in the observed period.
- In half of the cities that deployed e-buses, the deployed e-buses through the TUMI E-Bus Mission’s support constituted the first e-buses operating within the city’s formal fleet.
- Operators in only two cities adopted e-buses in a truly limited pilot structure of a handful of e-buses. Most of the orders were relatively large and are a clear signal that e-bus adoption is scaling up in the deep dive cities.

Note: The above statistics represent battery electric buses operated by/under the direction of local transit agencies as of June 2023.

ASIA

Consistent with the progress made in India through national engagements and TUMI E-Bus Mission partners engagement with participating cities, the Indian market experienced the greatest gains in terms of number of cities (three), largest individual city deployments (300), and greatest aggregated e-bus output (482). [Bengaluru](#) and [Delhi](#), for instance, have procured 921 and 1,500 e-buses respectively through the [Grand Challenge](#) that are expected to be operational by end of 2023.

LATIN AMERICA

In Latin America, [Monterrey](#) scaled up quickly from zero buses to at least 110 electric buses by 2023. The other city that added a considerable number of e-buses was Bogotá, but from a completely different level, increasing the total e-bus fleet to 1,149. [Mexico City](#) pioneered articulated e-buses with adding 50 new e-buses for the Metrobus Line 3, which is now fully electric and transports the highest number of users of the Metrobus' seven BRT lines. In Brazil, [Salvador](#) introduced the first 8 e-buses in the recently inaugurated new BRT system. The city with the most important political target in the region, [São Paulo](#), did not experience any growth at all in the past years and will have to accelerate drastically to comply with the political goal of 2,600 electric buses until 2024.

AFRICA

In Africa, Nairobi increased its electric bus fleet from 5 to 20 over the last months. In Durban, there are still no e-buses on the ground although a pilot is scheduled for next year with a planned roll-out of at least 19 e-buses over a 5-year period. In Kampala, Kiira motors is keen on ramping up from its current fleet of 4 (locally assembled) e-buses to 50 in the next few years. Furthermore, the Government of Rwanda has signed an agreement that will see 200 e-buses introduced in Kigali; this is based on a feasibility study conducted by Vivo energy.

Thus, the contribution of the cities to the deployment of electric buses is uneven as well. Once again, Indian cities backed by national level initiatives are in the lead. São Paulo and Jakarta with ambitious targets are lagging, but cities such as Monterrey and Bogotá show that rapid uptake and upscaling is possible.

Despite the support from TUMI E-Bus Mission partners and other initiatives, to build political support, to create plans and roadmaps and to guarantee financing, the way to e-buses is not linear and, in some cities, there is still some work that needs to be done for unlocking the potential and scaling up the deployment.

In the next episode we want to have a look on what is the potential of the deployment of electric buses in the deep dive cities when it comes to emission reduction and air quality improvements.

Thank you to our TUMI E-Bus Mission Partners:

