

Jakarta's TUMI #eBusMission

September Issue



Transjakarta Pilot E-bus and E-microbus

Remarks

As the COVID-19 pandemic recovers, we must choose an exemplary scenario for how our city will develop. ITDP and the University of California, Davis, released research results that resulted in 4 scenarios we can create for cities. However, there is only one scenario that can consistently limit global temperature rise to less than 1.5°C and avoid the worst effects of climate change, which is Compact City - Electrified.

An integrated and electrified city is a densely developed city, as well as a land use mix that focuses on public transportation, cycling, and walking. Then, all new motorized vehicles will be electrified by 2040. One of the focuses and priorities of electrification in this research is bus electrification.

Through the "**Jakarta's TUMI #eBusMission**" series, which will be released regularly, you can see the progress of efforts and the latest news regarding bus electrification in Jakarta and Indonesia. Follow the **@itdpindonesia** and **@TUMInitiative** accounts on Twitter and the website **www.itdp-indonesia.org** to access the series for free.



Transjakarta Signed MoU with VKTR and Equipmake

In the event of accelerating transition towards electric fleets, PT Transportasi Jakarta (Transjakarta) held the signing of Memorandum of Understanding (MoU) with Equipmake Holdings Plc, a UK-base specialist of commercial vehicles electrification and PT VKTR Teknologi Mobilitas.

The signing was held in the headquarter of Transjakarta in Cawang, East Jakarta, on Thursday (18/8/2022), witnessed by the Deputy Governor of DKI Jakarta Ahmad Riza Patria and Head of Department of Transportation DKI Jakarta, and performed by President Director of Transjakarta M. Yana Aditya, President Director of PT VKTR Teknologi Mobilitas Gilarsi W. Setijono and the CEO of Equipmake Holdings Plc Ian D Foley.

Currently, Equipmake and Vektor are preparing the creation of electric bus machinery through retrofitting or adding new technologies in order to fulfill the requirements for Transjakarta's operation. The collaboration between the three parties is expected to achieve the electrification target of 10.000 Transjakarta buses by 2030 and to boost the domestic manufacturing capacity.



Photo:
MoU Signing Ceremony

Transjakarta Signed Collaboration with Bloomberg New Energy Finance (BNEF) for the Operation of Electric Vehicles

PT Transportasi Jakarta organizes collaboration with Bloomberg New Energy Finance (BNEF) in terms of data analysis and research in order to support the comprehensive operation of electric vehicles plan by 2030.

The signing of the agreement was held in London, UK on Friday (13/5/2022) by President Director of Transjakarta M. Yana Aditya, along with the Global Head of Client Relations at BNEF Benji Kafri as witnessed by the Governor of DKI Jakarta Anies Baswedan and CEO Bloomberg Finance John Moore.

Moreover, in regards to the collaboration between Transjakarta and BNEF which runs as a provider of strategic research about global commodity markets and disruptive technology, it is expected that the collaboration will be able to enhance the transition towards a low carbon economy.

Transjakarta commits to carry out the transition from conventional buses towards electric buses with a target of 50% by 2025 and implement fully electric bus fleets by 2030.



Photo:
Agreement signing in London, UK
(Source: Tempo.co)

100 Transjakarta's Electric Buses will Operate in 2022

PT Transportasi Jakarta aims to operate 100 electric buses to cater to passengers in a couple of routes by this year.

Thus far, there have been 30 electric buses which operates in route 1P (Terminal Senen-Bundaran-Senayan), 1R (Tanah Abang-Terminal Senen), 1N (Blok M-Tanah Abang), and 6N (Ragunan-Blok M).

Currently, Transjakarta is finalizing the arrangements with several electric bus operators. Transjakarta is also seeking operators which have the capacity to support the investment for the rest of the 70 buses. To fulfill the electrical needs of 30 buses in operation, Transjakarta has built 10 battery charging stations with a capacity of 2 megaWatt (MW).



Photo:
Transjakarta electric bus has started
operating in 2022

Jakarta Released DFSK Gelora E as JakLingko E-Microbus Fleet

Transjakarta will conduct a trial of electric microtrans route Tanah Abang - Kota (JAK 10) in September 2022. The DFSK Gelora E commercial electric car will be tested for three months to operate as Transjakarta microbus fleet

The DFSK Gelora E car is equipped with a Lithium-ion battery with a capacity of 42 kWh which can cover a maximum distance of 300 kilometers. For charging it takes 80 minutes from 20 percent to 80 percent. This lightweight commercial electric car is also claimed to be energy efficient and can reduce operating costs. DFSK Gelora E is claimed to only cost IDR 200 per kilometer, or about 30 percent of the operating costs of conventional commercial vehicles.



Photo:
Armada Gelora E Car as JakLingko Fleet
(Source: DFSK)

Bangkok Future Mobility Asia 2022

*Faela Sufa, ITDP South East Asia Director, became one of the panelists at the center stage of The Future Mobility Asia 2022. The session was themed “**Electrify Asia’s Medium and Heavy-Duty Vehicle Fleet: The Way Ahead**” with other panelists; Rudyanto Azhar (Iskandar Regional Development Authority), Felipe Rodriguez (ICCT), Jacques Borremans (CharIN).*



for developing a successful BRT system in other regions, and the level of development she foresees over the next 10 years in advanced, electrified and sustainable transportation solutions in the ASEAN region and how close will it be to the more developed economies.

The session was moderated by Marshall Martin (Team Leader - Commercial Mobility Research, First & Sullivan). Faela explained her notion about the next phase of evolution in Jakarta and other Indonesian cities in terms of expansion and developing the quality of service that is sustainable and environmentally friendly, challenges

Photo:
Faela Sufa, ITDP South East Asia Director

Bus Electrification Podcast

In August, ITDP Indonesia and Greenpeace Indonesia collaborated in one of the #NgobrolLingkungan podcast episodes, focusing on the importance of bus electrification in Indonesia cities.

Rifqi Khoirul Anam, ITDP Indonesia's Transport Assistant was invited as one of the speakers in 'Bus Listrik Harusnya Lebih Dilirik' podcast along with Rizqiana Sidqiyatul, Greenpeace Indonesia's Researcher. The conversation flows along why bus electrification became priority instead of other motorized vehicles, the benefit of shifting to e-bus, and how to replicate bus electrification in other Indonesian cities.

The podcast was recorded onboard the 5M E-bus during the journey from Transjakarta Depot, before the bus operated for passenger service. The podcast can be accessed through [Greenpeace Indonesia](#) YouTube channel.



Photo:

'Bus Listrik Harusnya Lebih Dilirik!' Podcast Shooting

Upcoming Activities

Bus Electrification Vlog

Following the collaboration podcast that has been released in August, Greenpeace Indonesia collaborating with ITDP Indonesia will also release a vlog review of Mayasari Bakti charging station in this September. The vlog will cover a series of interview with the charging station engineer, depot head, and e-bus woman driver.

Busworld Southeast Asia Jakarta 2022

ITDP Indonesia as one of the main partners of the event will hold several activities from panel discussions with locals and international speakers and Jakarta's Public Transport excursion with transport agencies from 5 provinces and cities; Jakarta, Jawa Barat, Surabaya, Medan and Semarang as the attendees.

Sustainable Transport Event 2022

In collaboration with the Ministry of Transport and GIZ, ITDP Indonesia will participate in Sustainable Transport Event 2022 in Bali, Indonesia on October 20-21, 2022. The event will be filled with discussion panels around sustainable transport issues; public transport reformation, non-motorized transport and electrification.

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