Accelerating E-Mobility Adoption: Insights from GEF Projects and Current Development in Malaysia

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EV Status in <u>Malaysia</u> (as of March 2024)



BATTERY ELECTRIC **VEHICLE (BEV)**





ELECTRIC MOTORCYCLES



ELECTRIC BUS



PUBLIC CHARGING POINTS

3.7 kW - AC | 1,785 DC | 503 350 k W

Opportunities to Accelerating E-Mobility Adoption in Malaysia



Potential as Regional Hub for the EV industry

- Malaysia is the leading E&E manufacturing hubs in Southeast Asia
- Malaysia attracted over 30 billion investment (2018 2023) in EV from leading EV manufacturers, battery producer, charging etc



EV Market prospect is promising

- The EV sales recorded >300% growth in 2023 compared to previous vear
- High Total Industry Volume: reaching almost 800k units in 2023
- Local EVs is anticipated by 2025



<u>Supportive policy and governance to transition to cleaner transport</u>

- Low Carbon Mobility Blueprint 2021 2030, National Energy Transition Roadmap set imperative action plans and targets
- National EV Steering Committee (chaired by Deputy Prime Minister) and National EV Task Force are established to expedite the development and deployment of EV in the country

















GEF5-UNIDO Energy Efficient Low-carbon Transport and Low-Carbon Cities Project (2015 -2020) build foundations of EV ecosystem in Malaysia including the establishment of Low Carbon Mobility Blueprint 2021 - 2030

GEF7-UNIDO - Accelerating the Adoption of Smart Climate Transport aims to support wider adoption of EVs in Malaysia and also enhance a business sector ecosystem for EVs and sustainable batteries in Malaysia, through 1) improving policy and regulatory framework for EV value chains, and 2) demonstration of innovative electric mobility solutions.

THANK YOU!

