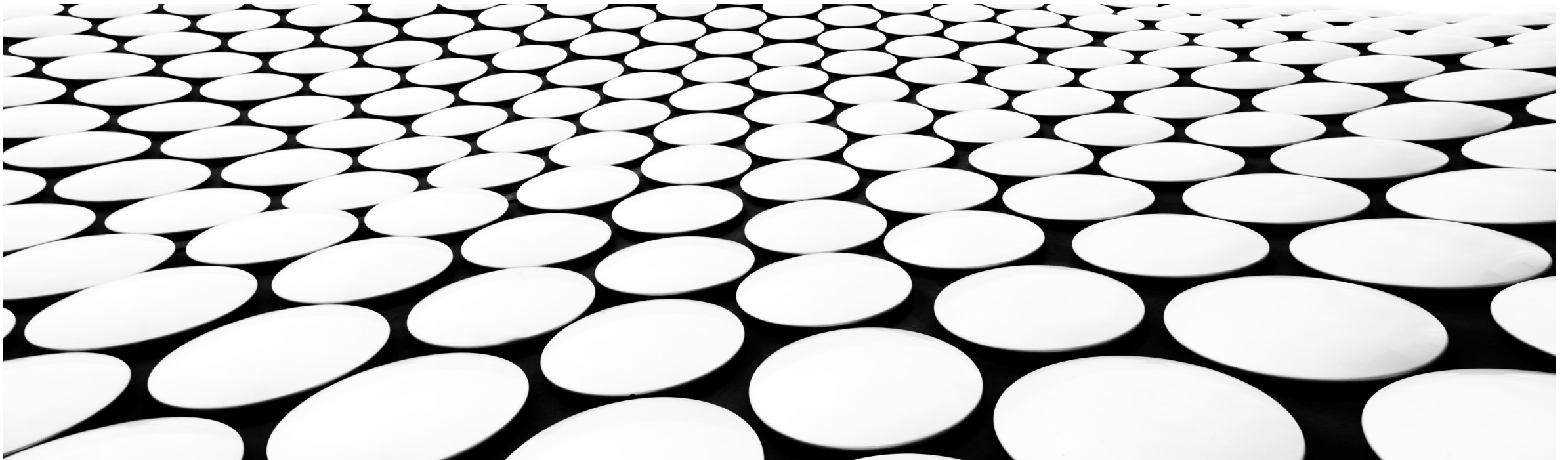

SESSION 3-2 "IMPROVING ENERGY EFFICIENCY IN TRANSPORT IN MALAYSIA"

BY HUZAIMI NOR OMAR



POLICY PUSH FOR ENERGY EFFICIENCY (TRANSPORT) IN MALAYSIA

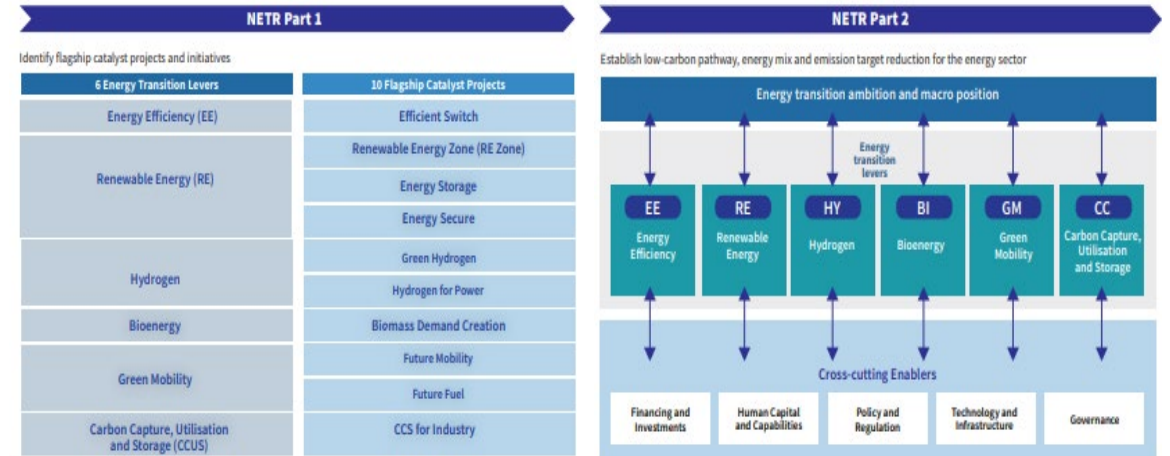
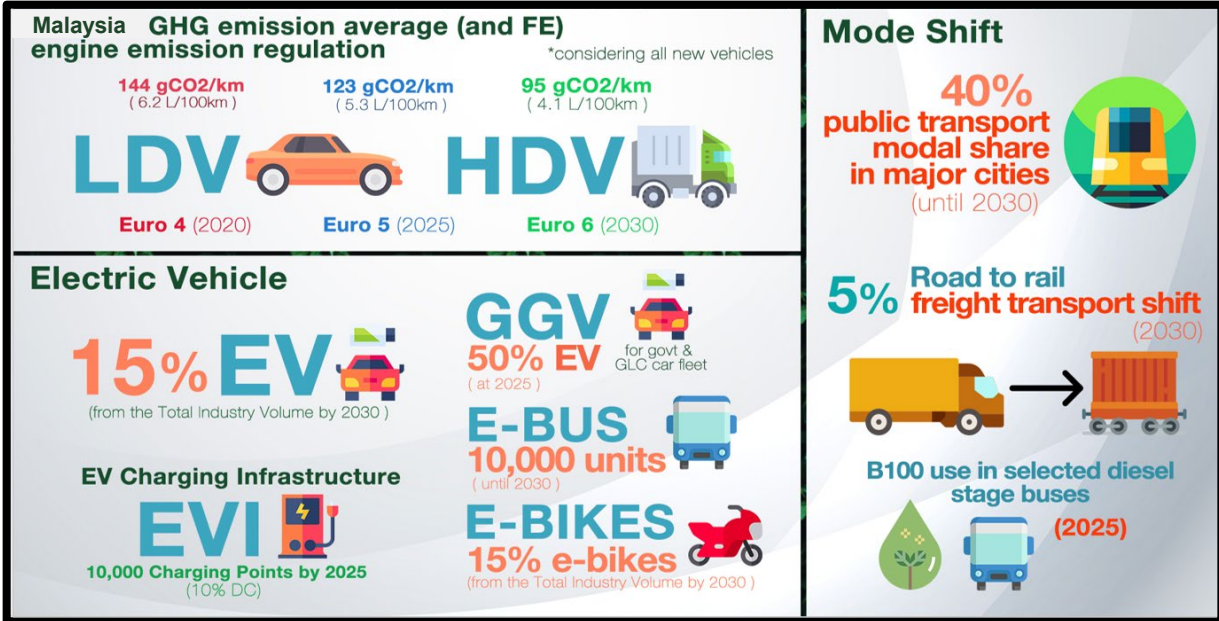
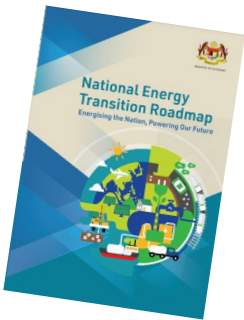
**LCMB
2021-30**

1. Low Carbon Mobility Blueprint 2021-30 is the 1st holistic policy document on Land Transport of Malaysia.
2. Focus is on energy savings which also resulting on carbon emission reduction and cost savings.



**NETR
2023-50**

1. National Energy Transition Roadmap latest policy document launched
2. NETR focus is on carbon emission reduction towards realizing the Net Carbon Emission 2050



STOCK TAKE – VARIOUS INITIATIVES (GOVERNMENT)



Manufacturing incentives

MALAYSIAN STANDARD MS 2722:2021

Energy efficient vehicle (EEV) – Requirements

ICS: 13.040.50; 43.120
Descriptors: vehicle, electric vehicle, gaseous exhaust emissions, fuel consumption, measurement method

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 DEPARTMENT OF STANDARDS MALAYSIA

Voluntary Energy Efficient Vehicle (EEV) Labelling Scheme



Certificate



Trophy



EEV Label Placement (inside or outside of vehicle at the rear windscreen)

Kerb Weight (kg)	Fuel Consumption Limits (L/100km)
<800	4.5
801-1000	5.0
1001-1250	6.0
1251-1400	6.5
1401-1550	7.0
1551-1800	9.5
1801-2050	11.0
2051-2350	11.5
2351-2500	12.0
2501-2750	13.5
2751-3000	14.7
3001-3250	16.0
3251-3500	17.2

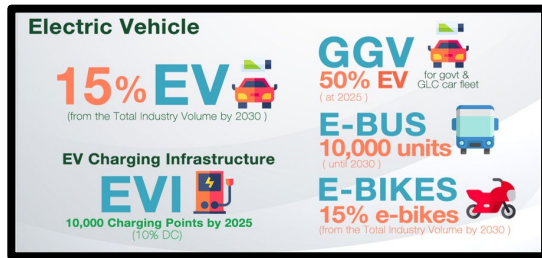
On the other hand, electric vehicles (EVs) are automatically regarded as EEVs.

Implementation of Energy Efficient Vehicles

STOCK TAKE – VARIOUS INITIATIVES (GOVERNMENT)

- ✓ Electric Vehicles taking center stage as the primary incentives focus
- ✓ Continuous and evolving target for EV penetration

LCMB 2030



National Energy Policy 2022-2040

38% of EV penetration at 2040

National Energy Transition Roadmap 2050

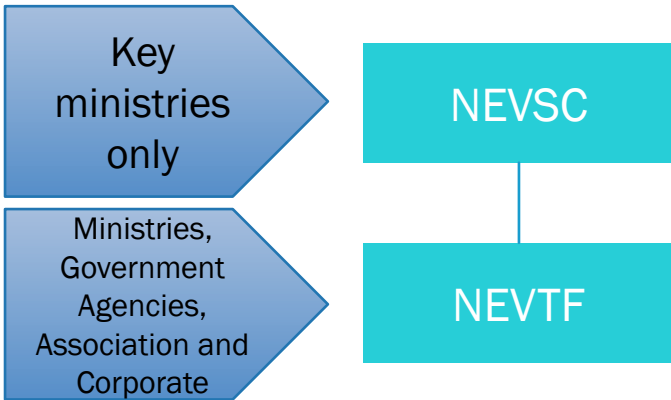
*80% xEV penetration at 2050

		2040 DTN Low Carbon Nation Asp.	2050 NETR Responsible Transition
Green Mobility	Land		
	GM		
	Urban public transport modal share (%)	50%	60%
	xEV (4W) share of fleet (%)	38%	80%
	E2W share of fleet (%)	N/A	80%
	Light vehicle fuel economy	N/A	~30%
	Heavy transport fuel economy	N/A	~24%
	Biofuel blending for heavy transport (%)	B30	B30
	Hydrogen penetration for heavy transport (%)	N/A	5%
	Marine		
LNG penetration as alternative fuel in marine transport (%)	25%	N/A	
Green fuel penetration in marine transport (%)	N/A	40%	
Av.			
SAF blending mandate by 2050 (%)	N/A	47%	

STOCK TAKE – VARIOUS INITIATIVES ON EV (GOVERNMENT)

National EV Taskforce (NEVTF) and National EV Steering Committee (NEVSC)

Both chaired by Ministry of Investment & Trade. To accelerate EV charging infrastructure and EV adoption in Malaysia



Incentives on EV

Full exemption of import duty, excise duty and sales tax on locally assembled EV or CKD until 2027

Full exemption of import duty and excise duty on CBU EV until 2025

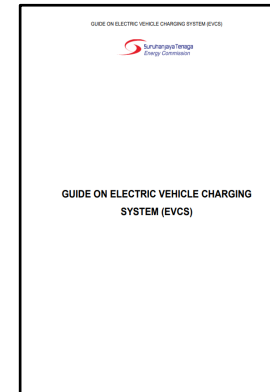
100% Road tax exemption until 2025

Individual income tax relief for EV Charging from 2024 to 2027

RM2,400 cash rebates for e-motorcycle

Company tax deduction up to RM300k for non-commercial EV leasing (2023 – 2027)

Regulatory reinforcement

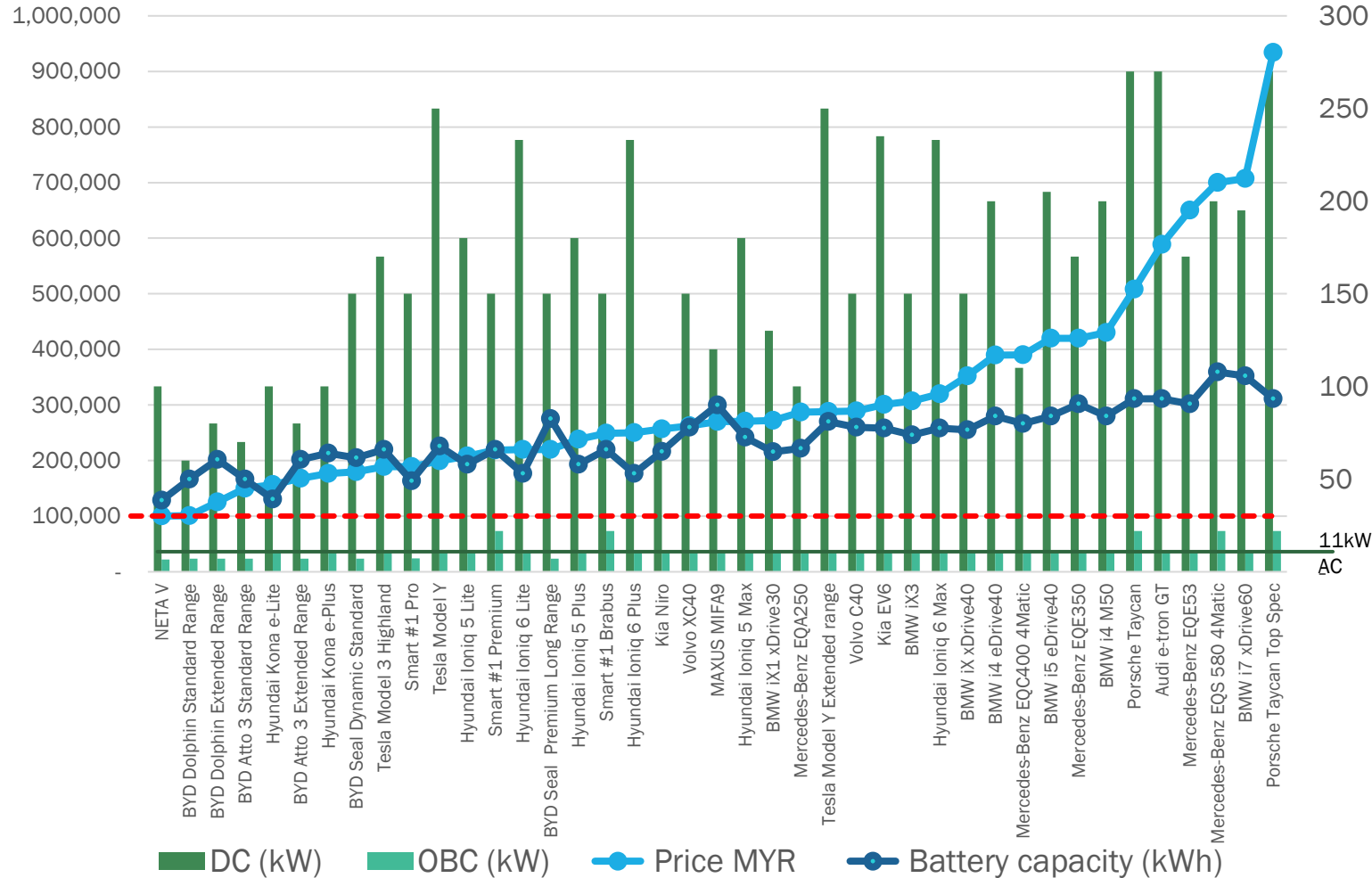


Requirement of EVCS Distribution License by Energy Commission started April 2023



Requirement to comply to Planning Guideline of EV Charging Bay inclusive of fire hazard guidelines in enforcement from October 2023

EV MARKET ARE GROWING IN MALAYSIA



- ✓ Various models are available, and more are being introduced
- ✓ No EV below RM100k. Below this threshold require local assembly EV.
- ✓ 1.8% EV penetration rate for 2023. Expecting growing rate.

Hydrogen (FCEV) are on trial, mostly in Sarawak



Automated Rapid Transit (ART) on trial at Kuching since 2023



Premier of Sarawak driving Toyota Mirai as part of trial



3 Free H2 bus and 3 Hyundai Nexo as corporate fleet in operation in Kuching since 2020

Sarawak to produce larger scale green hydrogen in 2027.

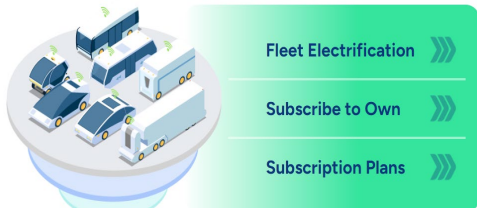
STOCK TAKE – VARIOUS INITIATIVES (PRIVATE)



STOCK TAKE – VARIOUS INITIATIVES (PRIVATE)

Yinson Greentech leading private EV initiatives in Malaysia

drivEV



Pos Malaysia receives 143 electric vans from Yinson

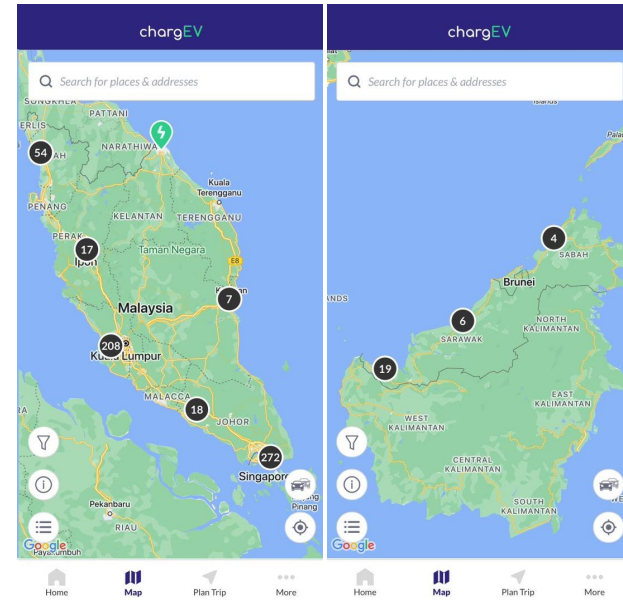
Posted in Cars, Local News / By Mohan K Ramanujam / October 18 2023 7:54 pm



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rydeEV



digitalEV



Thank you

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