

ELECTRIFYING DRIVE IN MALAYSIA



POLICY

ECOSYSTEM

THE FUTURE

DENNIS CHUAH
PRESIDENT

**ELECTRIC
VEHICLE
ASSOCIATION OF
MALAYSIA**



Malaysia introduced policies supporting EVs relatively early and EV support was put on the agenda when the country launched its

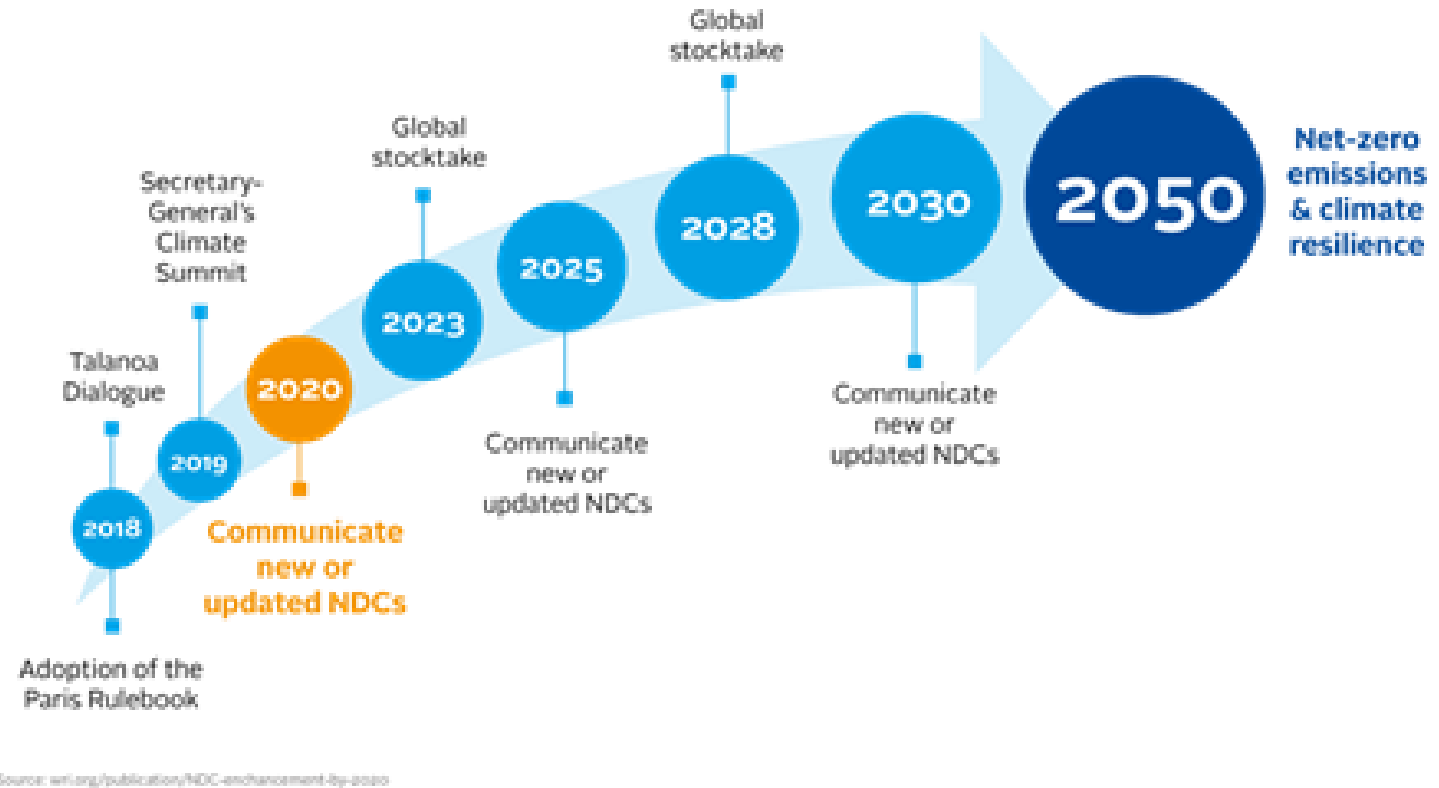
National Green Technology Policy in 2009

SUPPLY CHAIN INTEGRATION	INVESTMENTS PROMOTION	GREEN AND SUSTAINABILITY	CONNECTED MOBILITY
NAP 2006 (2006-2009)	NAP 2009 (2009-2014)	NAP 2014 (2014-2020)	NAP 2020 (2020-2030)
ADOPTED POLICY	REVIEWED	FOCUSED	ENHANCED
Introduced to transform the domestic automotive industry and integrating it into the increasingly competitive regional and global industry network.	Reviewed to enhance the capability and competitiveness of the domestic automotive industry.	Focused on developing Malaysia as the hub for Energy Efficient Vehicle (EEV)	Enhance Malaysia's automotive industry in the era of digital industrial transformation.

AMBITION MECHANISM IN THE PARIS AGREEMENT

In line with the **Paris Agreement**, Malaysia is committed to reducing its greenhouse gas emissions intensity of GDP by **45% by 2030** relative to the emission intensity of GDP in 2005.

Highlight of **Malaysia's Low Carbon Mobility Blueprint 2021-2030**, which outlines the country's electrification agenda includes.....



- Shift to carbon emission-based vehicle taxation systems.
- Introduction of a fuel levy.
- Import and excise duty exemptions for battery electric vehicle (BEVs) and plug-in hybrid electric vehicle (PHEVs)
- A national target of 7000 AC & 500 DC charging stations
- Up to 50% BEV penetration in government and government-linked companies (GLCs) fleet by 2026-2030

EV Charging Made Easy

chargEV is the nation's largest public charging network operating over 300 charging points nationwide. Our mission: to provide the Malaysian public with access to the necessary charging infrastructure to power their electric journeys



500 +
Charging
Stations

KEY STATS AS OF MARCH 2021 Powering Electric Mobility

PUBLIC EV CHARGERS

326

Stations

PUBLIC EV CHARGING LOCATIONS

223

Location available in Malaysia

EV CHARGING SESSIONS

181,507

Sessions

ELECTRICITY CHARGED

989

Mwh

ESTIMATED CO2 EMISSIONS
AVOIDED

1,259,370

Kilograms

ESTIMATED ELECTRIC RANGE

6,593,561

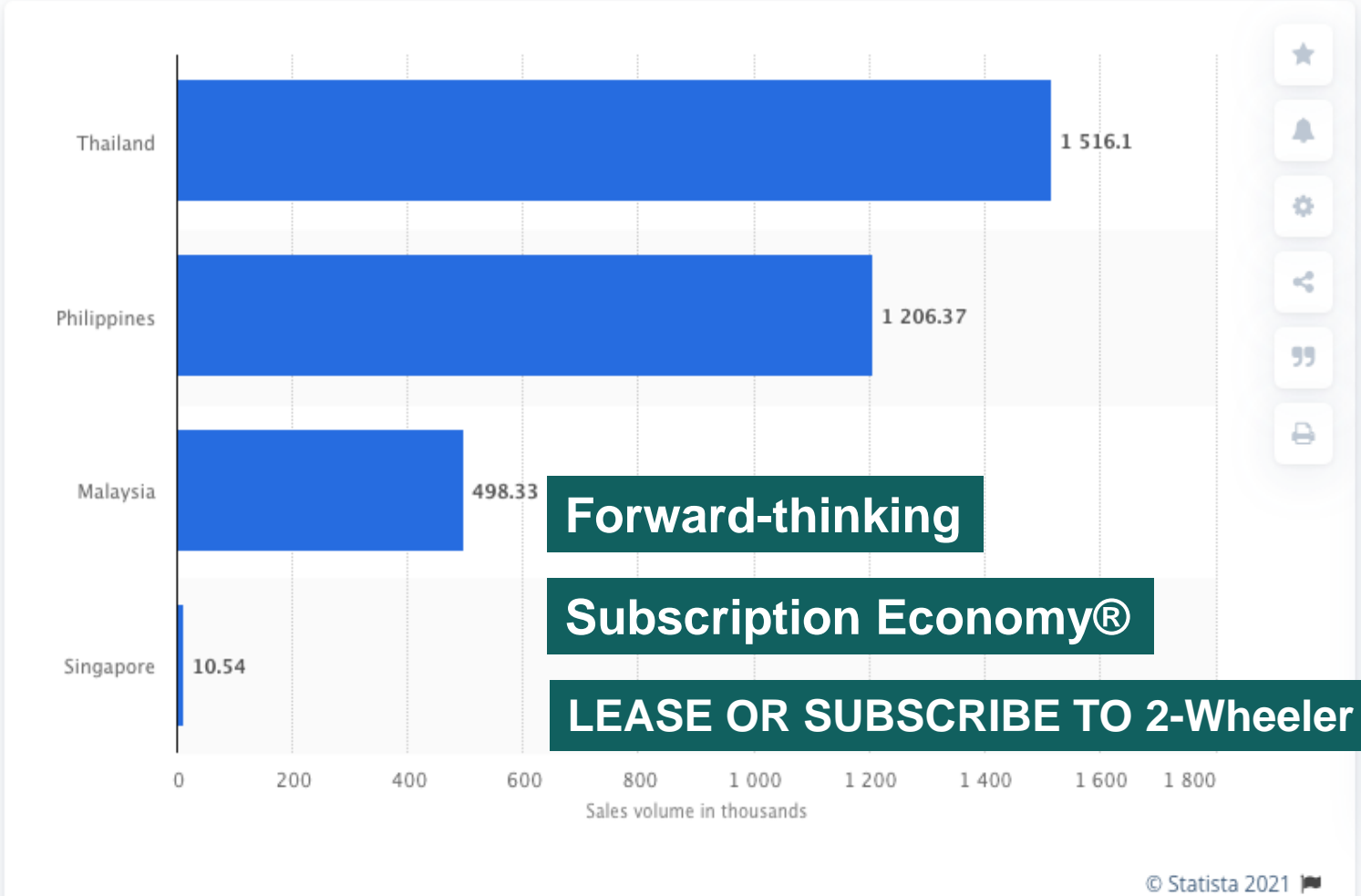
Kilometres

CARBON SEQUESTERED BY
TREES

31,484

Trees per year

Huge parts of South-East Asia get around on **two and three wheels**. Transitioning this fleet to electric models will help reduce pollution and greenhouse gas emissions, especially when integrated into public transport systems.



Number of motorcycles and scooters sold in the ASEAN region 2020, by country
(in 1,000s)

Technological Advancement and Traffic Congestion Are Driving the Growth For 2-Wheeler Rental Markets

The ASEAN 2-wheeler Rental Market is anticipated to register a CAGR of about 4.8% during the forecast period (2020 – 2025).

E2W IN ASEAN

220 MIL

TOTAL ADDRESSABLE MARKET SIZE

-Maybank Kim Eng, 2021

The study also shows that Thailand, Vietnam, Indonesia, and Malaysia collectively hold 99% market share in ASEAN in terms of sales.

Highlight (Updated)

Only 75 listed companies compliant with Bursa's ESG measures

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800+
Companies
Listed on
Bursa / KLSE



Early Adopters of E2W in Malaysia

REDUCE YOUR CARBON FOOTPRINT CHOOSE ELECTRIC VEHICLE

