



GREEN AND RESILIENT PORT



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GLOBAL CONTAINER VOLUME 2024

937 MILLION TEUs

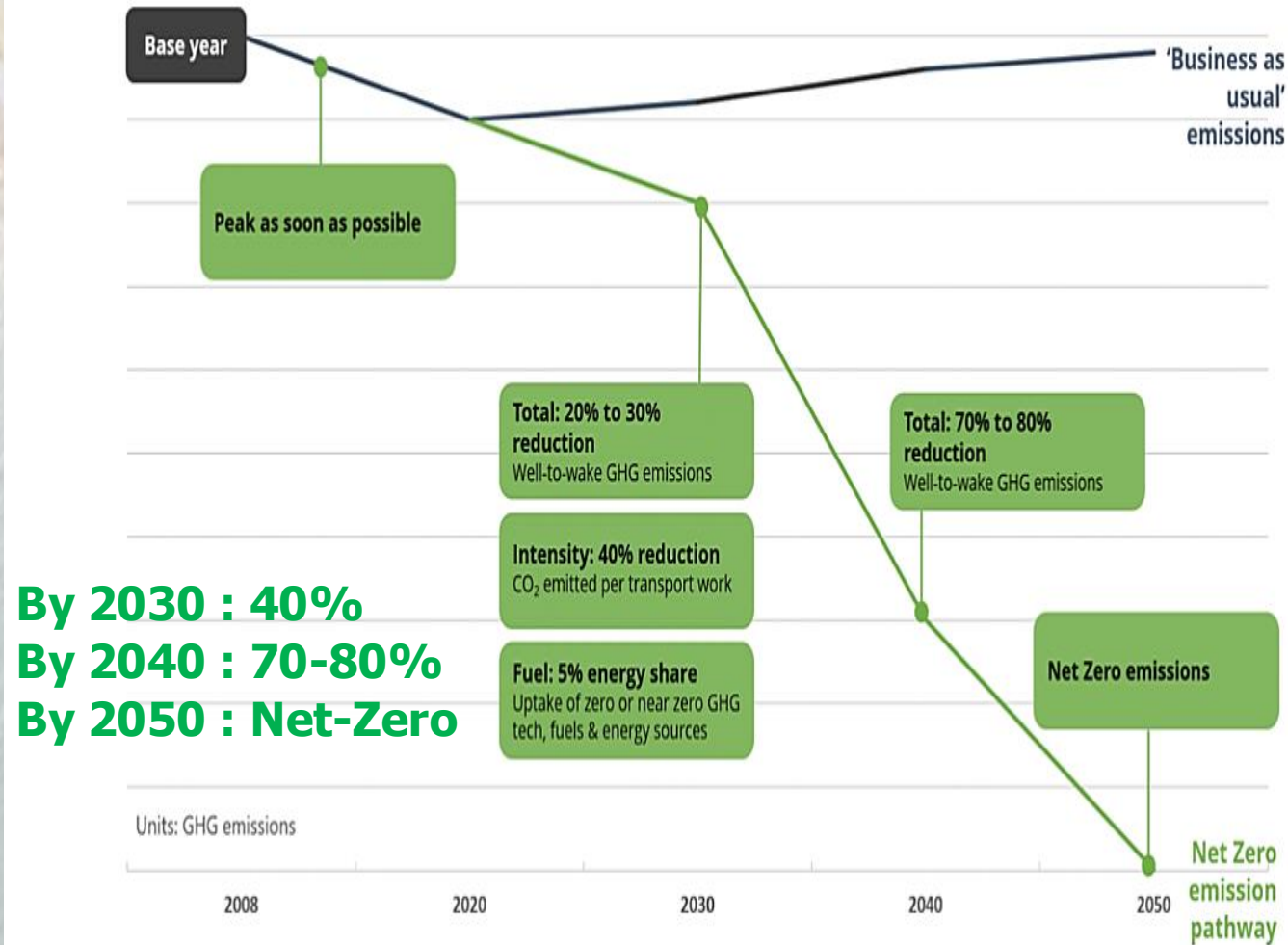
GLOBAL TRADE VOLUME 2024

USD 33 TRILLION

Overview – Green Ports



Global Push Towards Decarbonization



The Port & Shipping industry contributes **6%** of the world's carbon dioxide in 2024

974 million tonnes of CO₂

Source: OECD Report – Maritime transport CO₂ emissions

Green Port

- Port that integrates sustainable practices into its operations to reduce environmental impact while maintaining efficient cargo handling and logistics.
- To minimize the ecological footprint through:
 - Energy conservation
 - Emission control
 - Waste management
 - Cleaner fuels





MINISTRY OF NATURAL RESOURCES,
ENVIRONMENT AND CLIMATE CHANGE

DASAR PERUBAHAN IKLIM NEGARA

NATIONAL POLICY ON
CLIMATE CHANGE

MALAYSIA'S UPDATE OF ITS FIRST NATIONALLY DETERMINED CONTRIBUTION

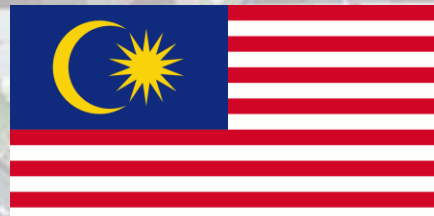
In accordance with paragraph 2(b) of decision 1/CP.19, Malaysia submitted its Intended Nationally Determined Contribution (INDC) to the United Nations Framework Convention on Climate Change (UNFCCC) Secretariat on 27th November 2015. The submitted INDC was registered as Malaysia's Nationally Determined Contribution (NDC), following Malaysia's ratification of the Paris Agreement on 16th November 2016. Malaysia hereby communicates its updated NDC in accordance with paragraph 24 of decision 1/CP.21 to contribute to the implementation and achievement of the goals of the Paris Agreement.

Malaysia intends to reduce its economy-wide carbon intensity¹ (against GDP) of 45% in 2030 compared to 2005 level. The updated NDC includes the following increased ambition:

- (a) The 45% of carbon intensity reduction is unconditional;
- (b) This target is an increase of 10% from the earlier submission; and
- (c) The GHG coverage is expanded to seven (7) greenhouse gases (GHG): Carbon dioxide (CO₂), Methane (CH₄), Nitrous oxide (N₂O), Hydrofluorocarbons (HFCs), Perfluorocarbon (PFCs), Sulphur hexafluoride (SF₆) and Nitrogen trifluoride (NF₃).

MALAYSIA CLIMATE PROMISE TO UNDP

CUT CARBON
INTENSITY
AGAINST
GDP BY 45%
BY 2030



National Transport Policy
2019-2030

Green Port Policy
2020-2025

Low Carbon Mobility Blueprint
2021-2030

National Energy Transition
Roadmap 2023



PORT KLANG INITIATIVES TOWARDS GREENER PORT

Solar Panels

Biodiversity

Northport



PKFZ



Westports



Dedicated Waste Management Centre



Mangrove Rehabilitation



LNG Bunkering



On Shore Power – Cruise Vessels



PORT KLANG INITIATIVES TOWARDS GREENER PORT

Eco-Friendly Port Equipments



EV Patrol Bikes



Autonomous Prime Movers



E-RTG with conductor Busbar



E-Reach Stackers





THANK YOU



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