

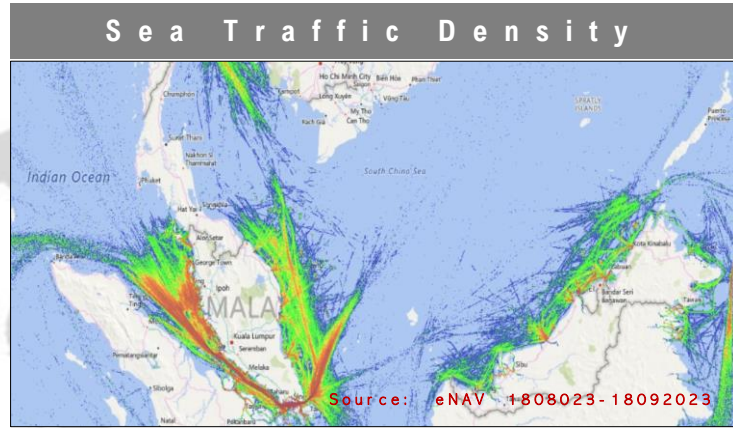


# The Role of Ports in Ensuring Comprehensive Environmental Protection from Shipping Activities

**Ts. Norzie Hasnira Binti Ramlan**  
**Johor Port Authority,**  
**MALAYSIA**



# Malaysia: Policy Plan



Malaysia



17 UN SDG (2015)

IMO CONVENTIONS



**MALAYSIA MADANI**

TWELFTH MALAYSIA PLAN (2021-2025)

NATIONAL TRANSPORT POLICY (2019-2030)

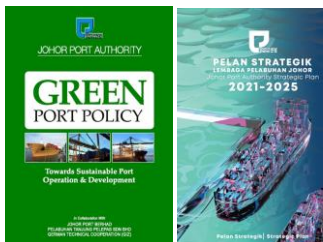
JOHOR PUBLIC TRANSPORT MASTERPLAN (2021-2045)

BLUEPRINT JOHOR SMART CITY (2023-2030)

GREEN GROWTH ROADMAP FOR JOHOR

JPA GREEN PORT POLICY 2014

JPA STRATEGIC & DIGITALIZATION PLAN 2021-2025



# Green Port Initiatives

Environment



Aquatic Ecosystem and Marine Habitat

Energy, Electricity,  
Fuel Saving  
Initiatives



Research Program

Green Policy



**Digitalization**



A Member Of **MMC** Group



A Member Of **MMC** Group



# Johor Port Authority: Green Port Initiatives (Digitalization and Innovation)



## JPA Achievements 2022-2023:



Green Port Award System  
2017 & 2022 by APEC Port Service Network (APSN)



AEMES Certificate 2 stars



National Energy Award by NAE



International Diamond Prize for Excellent in Quality by ESQR



ASEAN Energy Award (Energy Management) by AEA 2023

# ESG Investment + Digital Evolution



## ENVIRONMENTAL

### Our Commitment

We will be working across sectors to accelerate the transition to net-zero emissions

#### Completed Initiative

- Carbon Footprint Baseline Study
- RTG Electrification
- Waste Minimization Program

#### Current Initiative

- Waste Efficiency - Single use plastics
- Electrical Prime Movers
- Solar Panel for buildings
- Community Recycling Centre
- Energy Efficiency – upgrade LED
- Mangrove Tree-Planting
- Optimization of Pilot and Tugboat

#### Under Study Initiative

- Green Marine Tugboat & Pilot Boat
- Solar Farm
- Green Bunkering Infrastructure

#### Future Initiative

- Conservation & Offset
- On-shore power supply



E-RTGs



Green Marine Tug & Pilot Boats



E-Prime Mover



## GOVERNANCE

### Our Commitment

We operate based on responsible business practices

#### Completed Initiative

- Constitutional documents developed on essential areas: ex: PTP Anti-Bribery & Anti-Corruption Policy & Framework, Competition Compliance Policy, Foreign Trade Control Guidelines, Enterprise Risk Management Policy & Framework

#### Current Initiative

- Enhancement of PTP corporate governance, integrity & ethics and risk management systems

#### Progressive Initiative

- Ongoing monitoring of Cybersecurity threats with enhanced tools

#### Under Study Initiative

- Green procurement/ sustainability sourcing
- Green Tax

#### Future Initiative

- Training & Awareness Raising for internal & external stakeholders on essential areas & applicable laws & regulations

# WAY FORWARD

## Port Decarbonization Initiatives: GV2050 & P4i

 A Member of MMC Group	ESG DECARBONISATION INITIATIVES: GV2050 & P4i	
Green Voyage 2050	Partnership For Infrastructure (P4i)	
 <p>GreenVoyage2050 Project aims to support shipping's transition towards a low carbon future</p> <ul style="list-style-type: none"><li>• <b>Shortlisted Project from PTP:</b> Green Tugs and Pilot Boats</li><li>• <b>Stakeholders Involved:</b> International Maritime Organization (IMO), MOT, MARDEP, MIMA</li><li>• <b>Technical Site Visit (Committee)</b> : 8<sup>th</sup> Feb 2023</li><li>• <b>IMO Site Visit</b> : 28<sup>th</sup> -29<sup>th</sup> March 2023</li></ul>  	 <p>Assessment of the suitability for PTP becoming Green Bunkering Hub</p> <ul style="list-style-type: none"><li>• <b>Technical streams concluded</b> : LNG and Methanol have been finalized for PTP's consideration</li><li>• <b>Factors considered</b> : Collective assessment of demand and supply ; Emissions profiles of existing, emerging and third horizons fuel; &amp; Port responses.</li><li>• <b>Current Exercise:</b> Reviewing Commercial, Regulatory and Socio-Economic considerations</li><li>• <b>Launching Date</b> : 23<sup>rd</sup> June 2023 (In conjunction with Malaysia Maritime Week 2023)</li></ul>  	





## JOHOR PORT AUTHORITY

PROFESSIONALISM ENHANCES SERVICE

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Johor Port Authority

# THANK YOU

**Ts. NORZIE HASNIRA BINTI RAMLAN**

Marine Manager,  
Marine and VTMS Department  
Johor Port Authority,  
**MALAYSIA**

**Appreciation to:**

Ministry of Transport Malaysia  
Attaché (Maritime)  
Johor Port Authority  
Port of Tg Pelepas Sdn Bhd  
Johor Port Berhad  
Mrs Monaliza Binti Suhaimi  
Mr Muhammad Razif bin Ahmad  
Mr Ahmad Syahrir bin Ashaari  
Mr Mohd Zahari bin Mohd Rusjuna