

BORNEO INTERNATIONAL MARITIME WEEK CONFERENCE 2025

Gearing towards a sustainable
Maritime Logistic Hub for BIMF-EAGA



28-30 October 2025

10.00 - 12.00 WIB



Bintulu, Sarawak

Promenade Hotel Bintulu,
Sarawak, Malaysia

Anchoring Resilience:

Malaysia's Role in Shaping the Next Generation of Ports for Resilience and Competitiveness



Feature Speaker

Presented by:

Rita Benoy Bushon

Managing Director & Founder of RAA

GLOBAL MARITIME STAGE - BIG PICTURE

About 80% of World Trade by Volume is by Sea



THESE FLOWS ARE VITAL FOR
INDUSTRIALISATION, ECONOMIC
GROWTH AND JOB CREATION. IT
IS THE GLOBAL ECONOMY'S
ENGINE



IT IS THE CHEAPEST MODE OF
TRANSPORT FOR BULK GOODS.
ABOUT US1 TO TRANSPORT A
KG OF GOODS FROM SHANGHAI
TO LA ACROSS 6000 NAUTICAL
MILES

The Fragility of Supply Chains



1 COVID 2020/2021

Exposed vulnerabilities in supply chains, prompting businesses to rethink their resilience and adaptability.

2 Impact of the Suez Canal & Strait of Hormuz

The consequences of the blockage on global trade and logistics highlight the interconnectedness and fragility of international shipping routes.

3 Tariffs

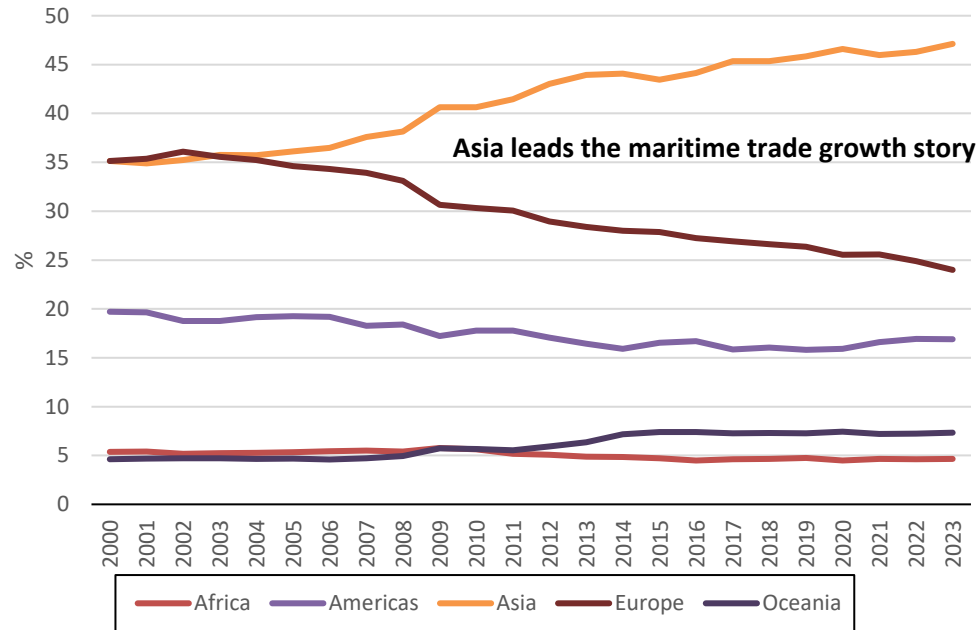
Effects of tariffs on supply chain operations

Resilience is not optional; it is a strategic necessity.

**The Global
Maritime
Landscape**

Maritime Industry Statistics - Global

Maritime Trade by Region, 2000-2023



Source : UNCTAD, RAA ANALYSIS



In 2024:

- 115,500 vessels
- 2.4 billion DWT world fleet;
- Greece, China and Japan control over 40% of capacity
- 70% in oil and bulk carriers
- Asia leads the growth story



Trade routes lengthened by 400 miles to 5200 miles due to geopolitical tensions.



3% of global GHG emissions.

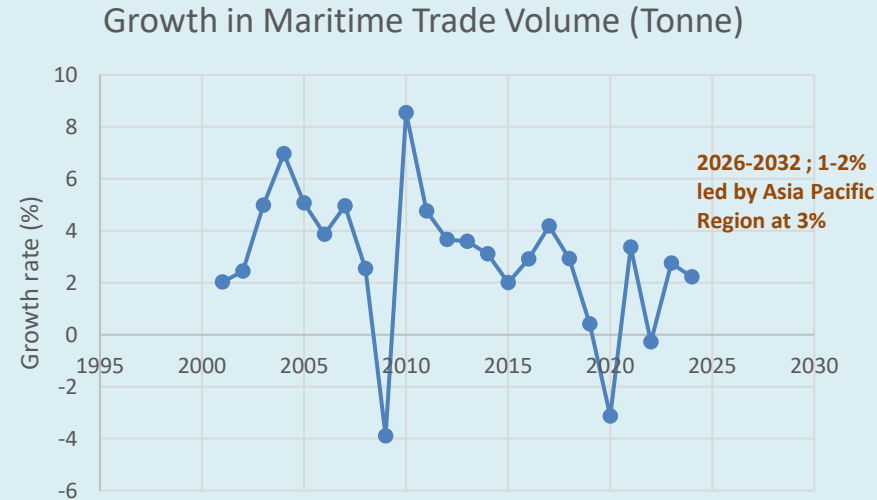


Average waiting time for container ships at ports in 2024, 6.4 hr in developed world 11 hr in developing world.

GROWTH OF CARGO BY TYPE

In the **medium-term cargo growth** expected to be between **1-2%** led by **Asia Pacific Region at 3%** ; **LNG volumes to rise by 5.8%** (2026-2032).

Cargo growth in 2025 is expected to taper to below 1% due to geopolitical tensions and trade wars compared to 2.2% in the previous year.



Source: UNCTAD, RAA ANALYSIS

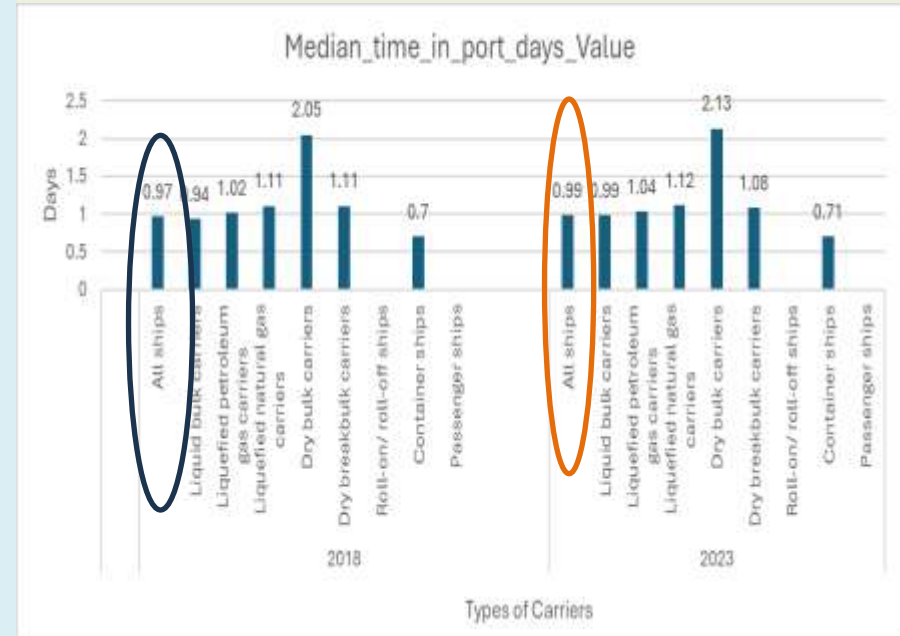
MEDIAN TIME IN PORTS

Median time in ports is around **1 day**.

Port congestion is expected to worsen if no proactive actions taken.

It cost **ships USD 50,000 every hour** of delay.

Delays can sink profitability and inflate consumer prices (efficiency and turn around time is key for ports to be competitive).



Source: UNCTAD, RAA ANALYSIS

CONTAINER PORT PERFORMANCE INDEX ANALYSIS (2020–2024)



Port	CPPI 2020	CPPI 2021	CPPI 2022	CPPI 2023	CPPI 2024
Tanjung Pelepas	140	93	118	137	118
Busan	112	85	94	97	92
Singapore	139	76	100	115	88
Port Klang	135	44	65	106	74
Antwerp	101	40	34	57	19
Rotterdam	93	-10	-25	47	4
Los Angeles	12	-598	-189	-66	-52
Bintulu				-77	-60

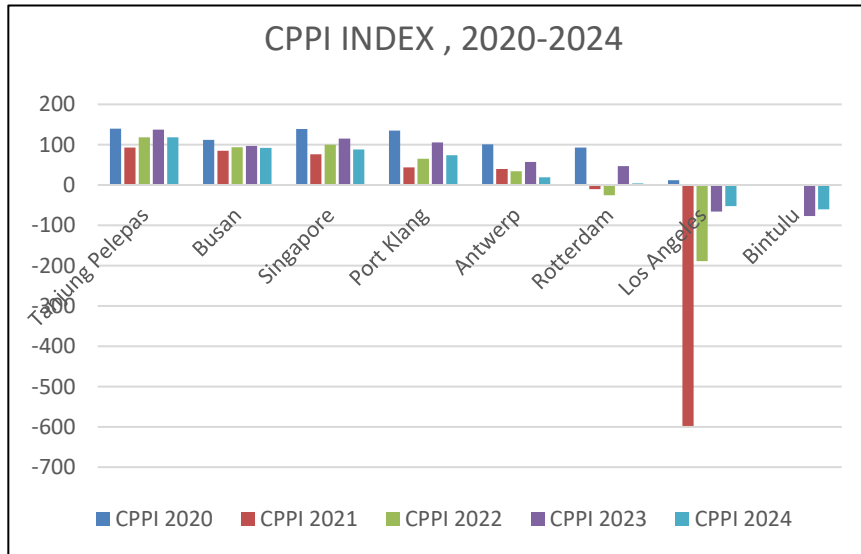
Source : WB, RAA Analysis

CPPI-Container Port Performance Index ;“CPPI -measures how quickly and efficiently a port turns ships around from the moment they arrive to when they depart.

A higher CPPI score = better performance (faster, more efficient port).; A lower or negative CPPI score = inefficiency, long waiting or handling times, or congestion.

Port	Country	Rank
Tanjung Pelepas	Malaysia	13
Busan	Republic of Korea	27
Singapore	Singapore	29
Port Klang	Malaysia	39
Antwerp	Belgium	123
Rotterdam	Netherlands	197
Los Angeles	United States	359

Source : WB, RAA Analysis



Top Performers For Efficiency

Tanjung Pelepas (#13) leads with strong, consistent gains.

Busan (#27) and Singapore (#29) remain among the world's most efficient hubs.

Port Klang (#39) shows a strong upward recovery.

Malaysia's progress is evident in the global CPPI ranking.

Global Maritime Future Trends

The industry's future will be shaped by these forces:

1. Technology adoption — from automation and smart-port analytics to alternative fuels.
2. Depth of international cooperation — particularly in decarbonization.
3. Economic and geopolitical resilience — as trade patterns fragment.
4. Skilled professionals—professionals who navigate these changes — remain at the center of it all.

Thus, investment is necessary for modernisation and resilience of ports.

From Spice Route to Smart Ports



The Sea has always been Malaysia's Lifeline

In the 15th century, the Malacca Sultanate emerged as one of the world's busiest entrepôts. It flourished because it understood something timeless: trade is not just about goods — it is about connectivity, trust, and systems that work.

THAT HERITAGE CONTINUES:

Our Ports are well integrated into global shipping network

Malaysia – Current Maritime Big Picture Statistics (2024)

~90 percent of international trade is by sea.

The maritime sector contributes ~ 40% to Malaysia's GDP.

Metric	Value	Change
Total container throughput	27.3 million TEU	+2.2% YoY
Total cargo throughput	~225 million tonnes	+1.8% YoY
Maritime GDP contribution	~40%	Steady
Port Klang	14.6 million TEU	+5.3%
PTP	12.3 million TEU	+8.6%
Bintulu	52 million tonnes	+6.4%
Penang	32 million tonnes	+6%

Malaysia: Anchoring Resilience in Maritime Logistics Hubs

- Quiet Strength, Visible Impact.

During the pandemic and subsequent trade realignments, Malaysia's ports proved their mettle.

- **Port Klang** reported a **5.3% increase in global connectivity** between 2024 and 2025.
- **Port of Tanjung Pelepas (PTP)** recorded **8.6% growth**, becoming one of the **top 15 busiest container ports worldwide**.
- **Bintulu Port** -East Asia's largest LNG export terminal, handled more than 48 million tonnes of cargo last year. When Europe scrambled for alternative gas sources, Bintulu's reliability became a cornerstone of Asia's energy security.
- Even **Penang Port**, often overshadowed by larger hubs, handled **1.4 million TEUs** and **over 32 million tonnes** of cargo in 2024.

In times of disruption, Malaysia's ports didn't merely survive — they **stepped forward as stabilizers** in global supply chains.

MALAYSIA'S MARITIME: RAA POSITIONING & FUTURE HUB



KEY PORTS & CAPABILITIES



PORT KLANG
World's 12th Busiest,
13.8 MILLION TEUS



PORT OF TANJUNG PELEPAS
PORT OF TANJUNG PELEPAS (PTP)
Rivals Singapore in Transhipment
16th Worldwide
10.5 MILLION TEUS



BINTULU PORT
Anchors LNG Exports
East Asia's Largest LNG Export Terminal



STRONG REGIONAL CONNECTIVITY:
Integrated into Global Shipping Networks,
Major Transhipment Hubs



GEOGRAPHY IS NOT DESTINY
— STRATEGY IS.

Malaysia's Leap Forward

FIVE PILLARS OF A RESILIENT MARITIME LOGISTICS HUB

Strategy for a Future-Ready Maritime Sector



1. **Policy Leadership** – Maritime Single Window (MMSW). Clearance process can be done within hours – already rolled out in Port Klang & Bintulu Port.

2. **Sustainability** – Green corridors, B20 biodiesel, electrified cranes.

3. **Operational Efficiency** – Every hour saved = profit protected.

4. **Digitalisation** – AI, IoT, smart gate systems.

5. **Human Capital** – Upskilling.



1. Saraa - ESG Health Check Report:

Offers SMEs a strategic starting point for sustainability.

2. Saraa - ESG & Carbon Tracker:

A proprietary ESG carbon footprint of Scope (1, 2, 3)

3. Saraa Reporting & Analytics Using:

1. SEDG Standards
2. Bursa Standards
3. Using IFRS Standards





Sarawak State Government has taken an equally visionary step — assuming control over Bintulu Port and launching the Sarawak Port Master Plan.

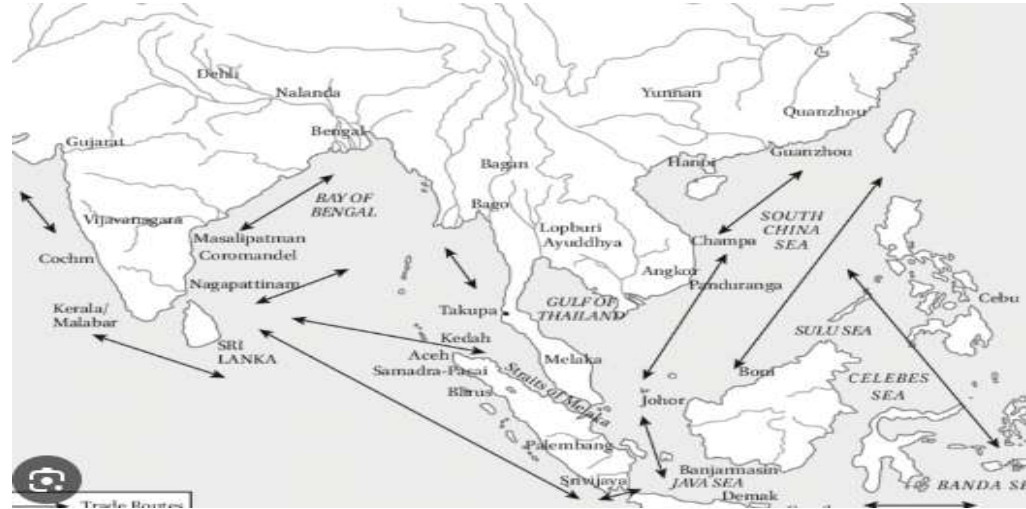
It aligns governance, policy, and port operations under one state-led vision collaborating with the rest of the country — driving expansion into petrochemical logistics, free zones, and green-certified terminals.



At Bintulu Port, the introduction of smart barrier gate systems and the Green Terminal Label Certification (GTLC) mark Malaysia's entry into a new era of sustainable port governance.

These are not symbolic labels — they represent measurable standards in efficiency, transparency, and environmental performance

- **Indonesia's Smart Port Initiative** has digitalised 14 major ports, using IoT and predictive analytics to coordinate cargo and improve efficiency
- **The Singapore–Rotterdam Green & Digital Shipping Corridor** is pioneering data-sharing and low-carbon fuel adoption between two continents
- **Vietnam's** renewable port expansion



Malaysia's role: connector of the Indian Ocean & the South China Sea -
can anchor a Green and Digital ASEAN Corridor.

Focus On Strengthening Malaysia's Maritime Resilience through Diversification and Strategic Positioning



Building resilience through alternative energy corridors and sustainable logistics

Establish Green Maritime Energy Hubs — LNG, methanol, and ammonia bunkering hubs (Bintulu, Johor, and Labuan) to anchor regional clean-fuel corridors.

Integrate with ASEAN Energy Networks — Link Sarawak-Brunei-Kalimantan through cross-border grids and pipelines for diversified energy security.

Adopt Circular & Traceable Supply Chains — Blockchain tracking for palm oil, fisheries, and minerals to meet EU and global ESG standards.

Enable Renewable Maritime Logistics — Offshore wind and floating solar support vessels as a new growth industry.

Outcome:
Malaysia emerges as a green energy and resource logistics hub, reducing dependence on single-source commodities.

Expanding Malaysia's industrial base through multimodal and high-tech integration

Create Maritime-Linked Semiconductor Corridors — Connect Penang, Port Klang, and Samalaju to chip, EV, and advanced manufacturing value chains.

Promote Multimodal Connectivity — Seamless sea-air-land integration (ports + KLIA + rail) to handle time-sensitive exports.

Accelerate Automation & Digital Trade Systems — AI-driven customs, port automation, and predictive logistics to boost throughput and transparency.

Foster Business-Friendly Investment Climate — Competitive tax regime, streamlined approvals, and ESG incentives — mirroring Singapore's Tuas Mega Port advantage..

Outcome:
Malaysia becomes a technology-enabled maritime gateway for semiconductor, EV, and green manufacturing exports



Human Capital and Inclusion

Maritime academies and AI training pipelines.

Digital roles enabling gender inclusion.

“Automation will not replace people – it will elevate people.”



Investing for the Next Wave



PPPs for port automation.

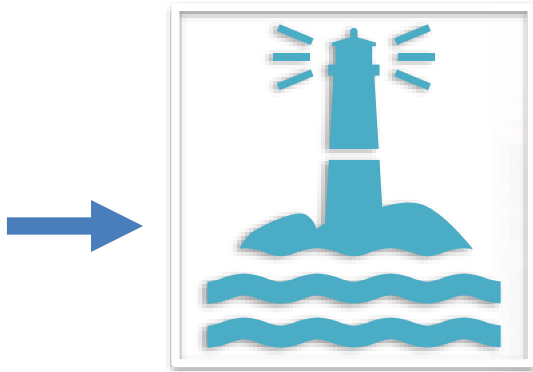


Competitive taxes for
green FDI.



Renewable-powered
terminals & grid
modernization

Anchoring Forward



**“From Gateway to Beacon
of Maritime Excellence”**

*** Efficiency**

*** Resilience**

*** Competitiveness**



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THANK YOU



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