



## Anchoring Port Resilience & Competitiveness: Malaysia's Maritime Story

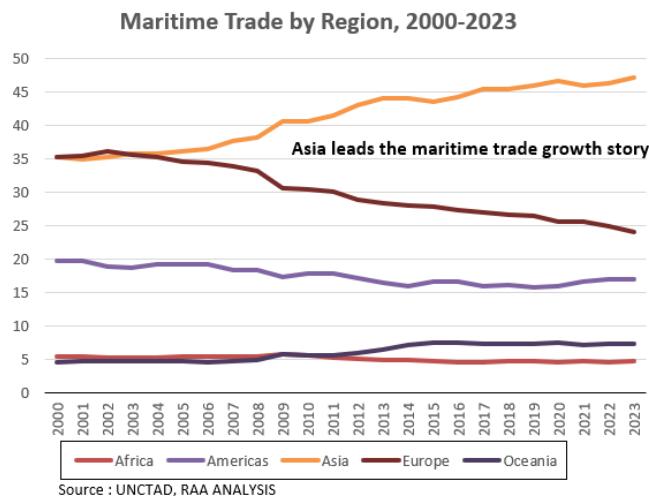
*Borneo International Maritime Week Conference 2025 – Bintulu, Sarawak*

### Executive Summary

Malaysia sits at the crossroads of the Indian Ocean and the South China Sea, carrying a maritime legacy built on centuries of trade, connectivity, and strategic advantage. Today, Malaysia's ports remain vital stabilisers for regional and global supply chains.



Despite global disruptions such as the pandemic, geopolitical realignments, and longer routes due to conflicts, Malaysia's ports have demonstrated resilience. Both **Port Klang** and **Port of Tanjung Pelepas (PTP)** are ranked in the **global top 40** of the Container Port Performance Index (CPPI), reflecting operational excellence and rising competitiveness.



*Malaysia's maritime system is evolving amid rapid technological shifts, sustainability demands, and fragmented trade patterns. With automation, AI-enabled decision-making, multimodal integration, and renewable-powered operations becoming the global standard, Malaysia is positioning itself for the future. Trends point toward vessels powered by LNG, hydrogen, and biofuels and ports increasingly operating on digital, predictive systems. Importantly, the future must*

*also be more inclusive — with women currently forming just 1.2% of global seafarers, digitalisation opens new pathways for gender diversity.*

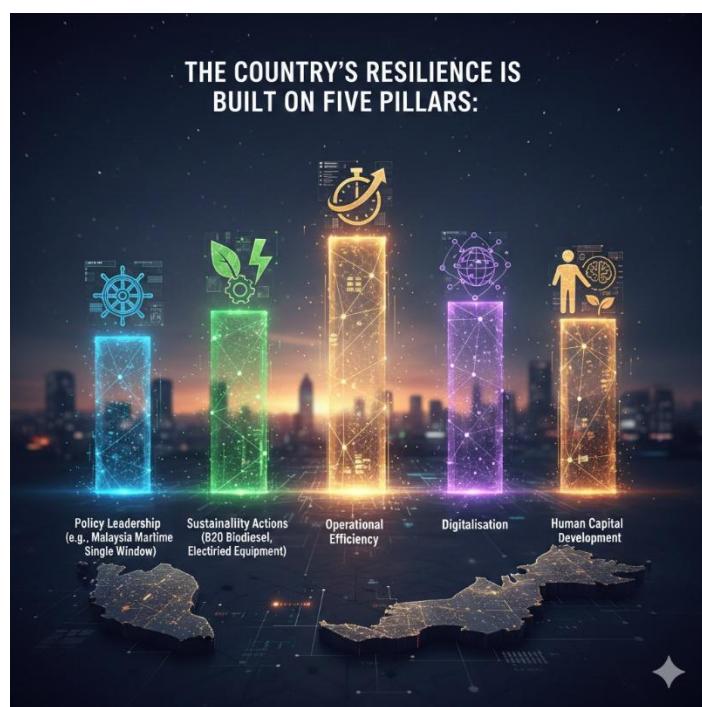
## National port performance remains strong:

- **27.3M TEUs** container throughput (+2.2%)
- **225M tonnes** cargo throughput (+1.8%)
- PTP at **12.3M TEUs (+8.6%)**, Port Klang at **14.6M TEUs (+5.3%)**, and Bintulu at **52M tonnes (+6%)**

## The country's resilience is built on five pillars:

- **Policy leadership** (e.g., Malaysia Maritime Single Window),
- **Sustainability actions** (B20 biodiesel, electrified equipment),
- **Operational efficiency**,
- **Digitalisation**, and
- **Human capital development**.

Bintulu Port's Green Terminal Label, the Sarawak Port Master Plan, Remote Physical Check innovations at Port Klang, and energy-use dashboards in Bintulu underline Malaysia's transition toward a smarter, greener



maritime ecosystem. Regionally, Malaysia is positioned to anchor a **Green & Digital ASEAN Corridor**, linking initiatives from Singapore to Rotterdam and Indonesia's Smart Port network.

Looking forward, we believe that Malaysia can evolve from a transit nation into a **transformative maritime hub** by:

- Diversifying energy (LNG, methanol, ammonia)
- Expanding semiconductor and EV supply-chain linkages
- Strengthening multimodal logistics
- Attracting ESG-linked investments
- Building a tech-literate, ESG-ready workforce

As global trade becomes more volatile, Malaysia's competitiveness will be anchored in resilience, sustainability, smart governance, and regional collaboration. The nation's maritime sector is not only a logistical engine but an investment and innovation platform — ready to reposition Malaysia as a **beacon of maritime excellence for ASEAN and beyond**

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