



កំពង់ផែស្វយ័តភ្នំពេញ

PHNOM PENH AUTONOMOUS PORT

2025

PHNOM PENH

**AUTONOMOUS
PORT**

by Marketing Team





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Sihanoukville Autonomous Port (PAS)



Phnom Penh Autonomous Port (PPAP)



Note:

- TS - Tonle Sap
- LM - Lower Mekong
- UM - Upper Mekong



1.1 Phnom Penh Autonomous Port

Phnom Penh Autonomous Port (PPAP) is one of Cambodia's international port which handle containerized operation located along the Mekong River and Tonle Sap. PPAP consists of an excellent transport network infrastructure that connects the port to the hinterland.

PPAP operates under the technical supervision of the Ministry of Public Works and Transport and the financial oversight of the Ministry of Economy and Finance.



1.2 Background

1905

The beginning of Port Operations in Phnom Penh City.



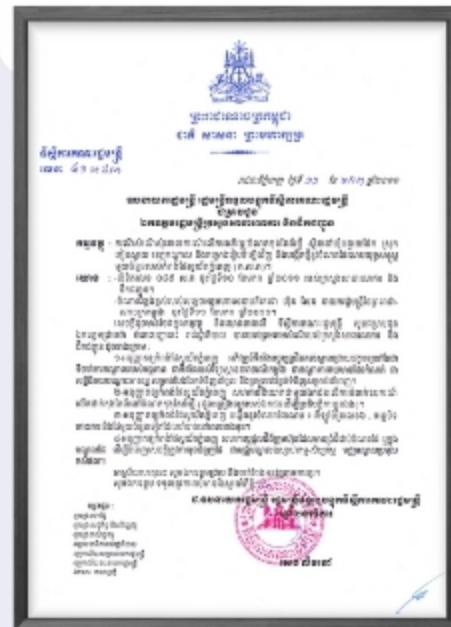
2002

The Start of Container Handling Operation in Phnom Penh City.



2011

The Government's Announcement No.41 Permission to create a network of Sub-feeder Terminals along the Rivers.



2013

The Container Terminal Expansion and Development started in 2011 in Kandal Province.



2015

PPAP became an Initiated listed company in 2014.



2025

The Operational sites of seven terminals that are presently in use.



PHNOM PENH AUTONOMOUS PORT LOCATION



Note:



TS - Tonle Sap

LM - Lower Mekong

UM - Upper Mekong

TERMINAL INFORMATION

CONTAINER TERMINAL LM17

 Jetties:	<ul style="list-style-type: none"> • 22 x 300m = 1 • 12 x 149m = 1 • 16 x 149m = 1
 Berth:	9 Berths
 River Depth:	4.5m
 Barge Capacity:	3,000-4,000 Tons
 Crane Productivity:	<ul style="list-style-type: none"> • (4 TCC/4 FCC) - 25 MPH • (12 RTG) - 25 MPH
 Port Capacity:	500,000 TEUs/year
 Reefer Plug:	256 plugs
 Warehouse:	24.4 x 60m
 Land Size:	40 hectares
 Navigation time:	<ul style="list-style-type: none"> • LM17 to Cai Mep ≈ 27 to 35 hours • LM17 to Cat Lai ≈ 21 to 29 hours
 Distance:	<ul style="list-style-type: none"> • LM17 to Cai Mep: 373 km • LM17 to Cat Lai: 345 km



The Evolution of Container Terminal LM17's Capacity

1. PPAP AT A GLANCE



Custom Warehouse at Container Terminal LM17



Land Size:
1,510 sqm



Custom Warehouse:
24.4 x 60m





Cross-Docking and Cold Storage Facility at Container Terminal LM17



**1,000 Cubic Metres
of Cold Storage**



**Pre-cool areas:
2 areas**



**Docks:
8 docks**



**Temperature zone:
25 °C to -22 °C**







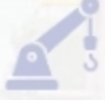






PHNOM PENH AUTONOMOUS PORT LOCATION



Note:
 TS - Tonle Sap
 LM - Lower Mekong
 UM - Upper Mekong

TERMINAL INFORMATION

SUB-FEEDER MULTIPURPOSE TERMINAL UM2

 Jetties:	<ul style="list-style-type: none"> • 12 x 46.9m • 45m (General Cargo)
 Berth:	2 Berths
 River Depth:	4.5m
 Barge Capacity:	3,000-4,000 Tons
 Crane Productivity:	(1 FCC) 15-20 MPH
 Port Capacity:	70,000 TEUs/year
 Reefer Plug:	36 plugs
 Warehouse:	40m x 150m
 Land Size:	16.17ha (7 hectares operational)
 Navigation time:	<ul style="list-style-type: none"> • UM2 to Cai Mep ≈ 31 to 42 hours • UM2 to Cat Lai ≈ 30 to 40 hours
 Distance:	<ul style="list-style-type: none"> • UM2 to Cai Mep 503 km • UM2 to Cat Lai 475 km

NOW



FUTURE





PHNOM PENH AUTONOMOUS PORT LOCATION



Note:
 TS - Tonle Sap
 LM - Lower Mekong
 UM - Upper Mekong

TERMINAL INFORMATION

SUB-FEEDER MULTIPURPOSE TERMINAL UM1

 Jetties:	12m x 24m
 Berth:	1 Berth
 River Depth:	4.5m
 Barge Capacity:	3,000-4,000 Tons
 Crane Productivity:	(1 FCC) 15-20 MPH
 Port Capacity:	60,000 TEUs/year
 Reefer Plug:	36 plugs
 Warehouse:	30m x 130m
 Land Size:	4 hectares
 Navigation time:	<ul style="list-style-type: none"> • UM1 to Cai Mep ≈ 32 to 43 hours • UM1 to Cat Lai ≈ 27 to 38 hours
 Distance:	<ul style="list-style-type: none"> • UM1 to Cai Mep 513 km • UM1 to Cat Lai 485 km

NOW



FUTURE



PHNOM PENH AUTONOMOUS PORT LOCATION



Note:


TS - Tonle Sap

LM - Lower Mekong

UM - Upper Mekong

TERMINAL INFORMATION

SUB-FEEDER MULTIPURPOSE TERMINAL TS11

	Jetties:	12m x 60m
	Berth:	1 Berth
	River Depth:	4.5m
	Barge Capacity:	3,000-4,000 Tons
	Crane Productivity:	(1 FCC) 15-20 MPH
	Port Capacity:	60,000 TEUs/year
	Reefer Plug:	36 plugs
	Warehouse:	<ul style="list-style-type: none"> • 1,848m² • 2,854m²
	Land Size:	4 hectares
	Navigation time:	<ul style="list-style-type: none"> • TS11 to Cai Mep ≈ 32 to 43 hours • TS11 to Cat Lai ≈ 27 to 38 hours
	Distance:	<ul style="list-style-type: none"> • TS11 to Cai Mep 513 km • TS11 to Cat Lai 485 km

NOW



FUTURE



PHNOM PENH AUTONOMOUS PORT LOCATION



Note:
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1. PPAP AT A GLANCE

TERMINAL INFORMATION

MULTIPURPOSE TERMINAL TS3

 Jetties:	20m x 300m
 Berth:	6 Berths
 River Depth:	4.5m
 Pontoon:	2 Floating pier - 42m x 12m
 Passenger and Tourist Station Hall:	52m x 17m
 Land Size:	2 hectares
 Navigation time:	TS3 to HCM ≈ 31 hours
 Distance:	TS3 to HCM 470 km

NOW



FUTURE




PHNOM PENH AUTONOMOUS PORT LOCATION



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TERMINAL INFORMATION

PASSENGER AND TOURIST TERMINAL TS1

 Pontoons:	20m x 300m
 Berth:	2 Berths
 River Depth:	4.5m
 Pontoon:	2 Floating pier - 42m x 12m
 Navigation time:	TS3 to HCM ≈ 31 hours
 Distance:	TS3 to HCM 470 km

NOW



FUTURE



PHNOM PENH AUTONOMOUS PORT LOCATION



Note:
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1. PPAP AT A GLANCE

TERMINAL INFORMATION

SUB-FEEDER MULTIPURPOSE TERMINAL LM26

 Jetties:	2 Floating pier - 45m x 15m
 Berth:	5 Berths
 River Depth:	4.5m - 5.5m
 Conveyer:	8 units
 Floating Crane:	130 ton
 Truck Scale:	1 unit
 Location:	Cambodia-Vietnam International Border Gate (Koh Roka - Thuong Phuoc)
 Warehouse:	30m x 50m
 Land Size:	20 hectares
 Navigation time:	<ul style="list-style-type: none"> • LM26 to Cai Mep ≈ 17 to 23 hours • LM26 to Cat Lai ≈ 15 to 21 hours
 Distance:	<ul style="list-style-type: none"> • LM26 to Cai Mep 275 km • LM26 to Cat Lai 247 km

NOW



FUTURE





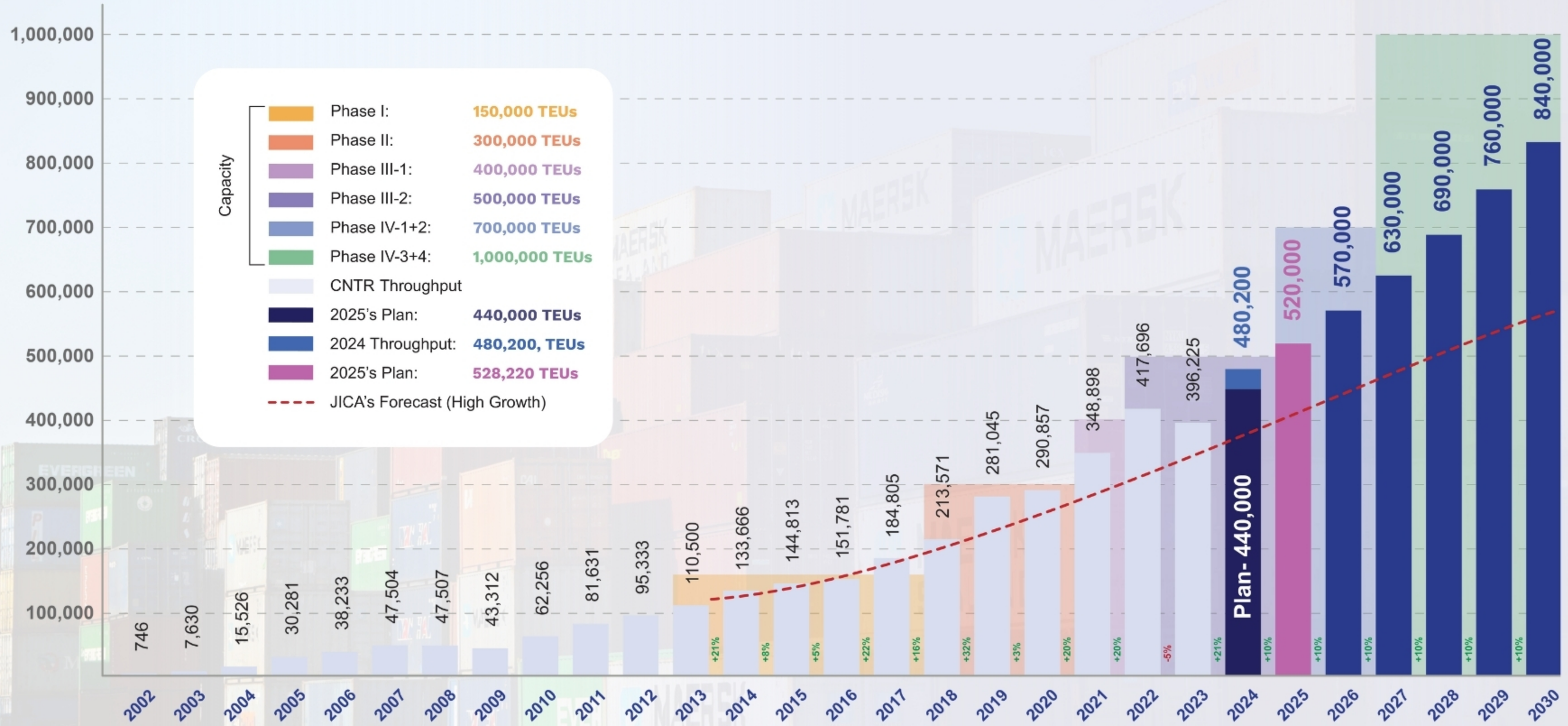
02.

STATISTICS OF CARGOES



2.1 Container Throughput via PPAP between 2002-2024 and 2025 Plan (TEUs)

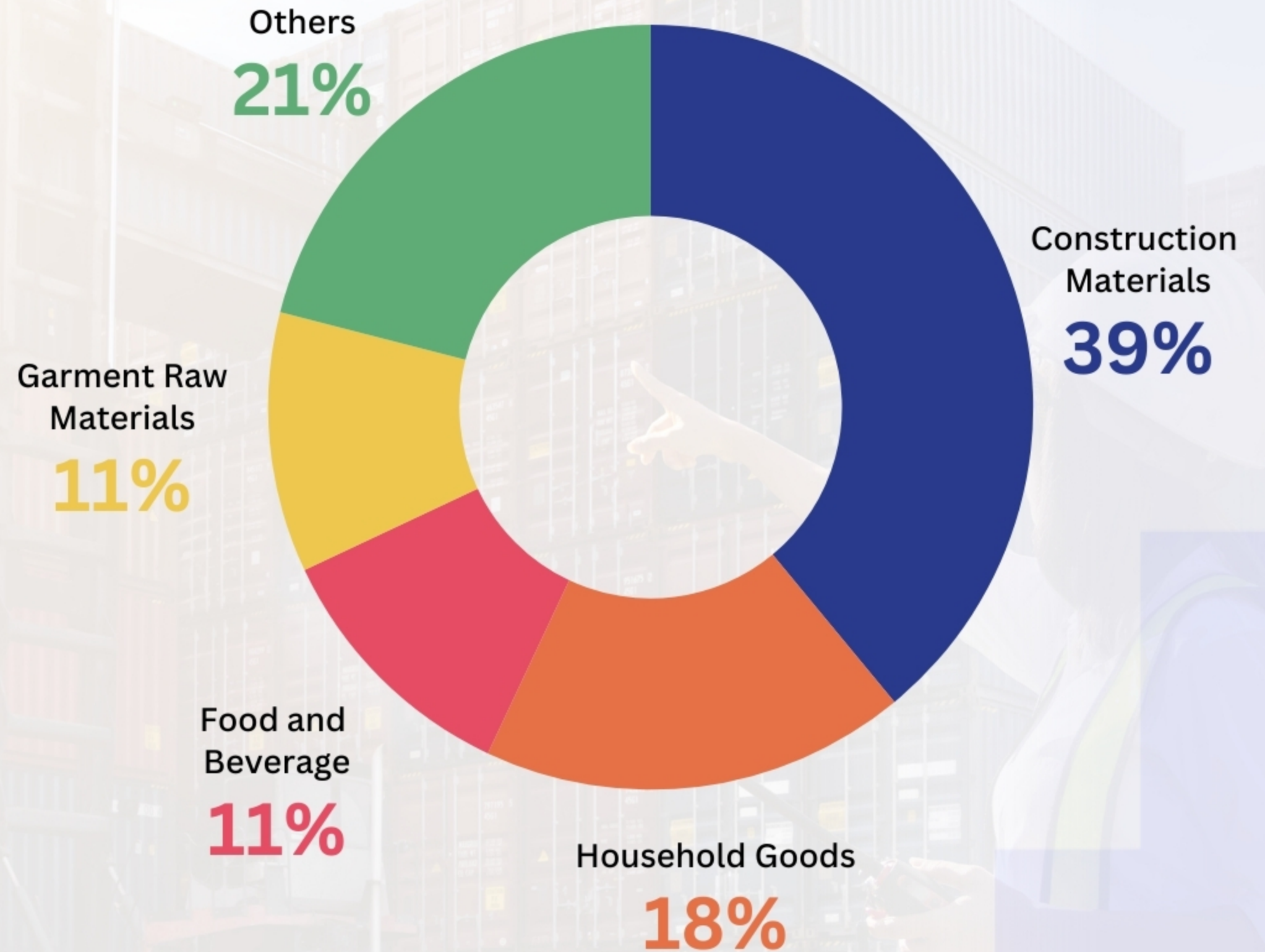
JICA's Forecast of High-Growth Containers & the Total Port Capacity of Container Terminal LM17



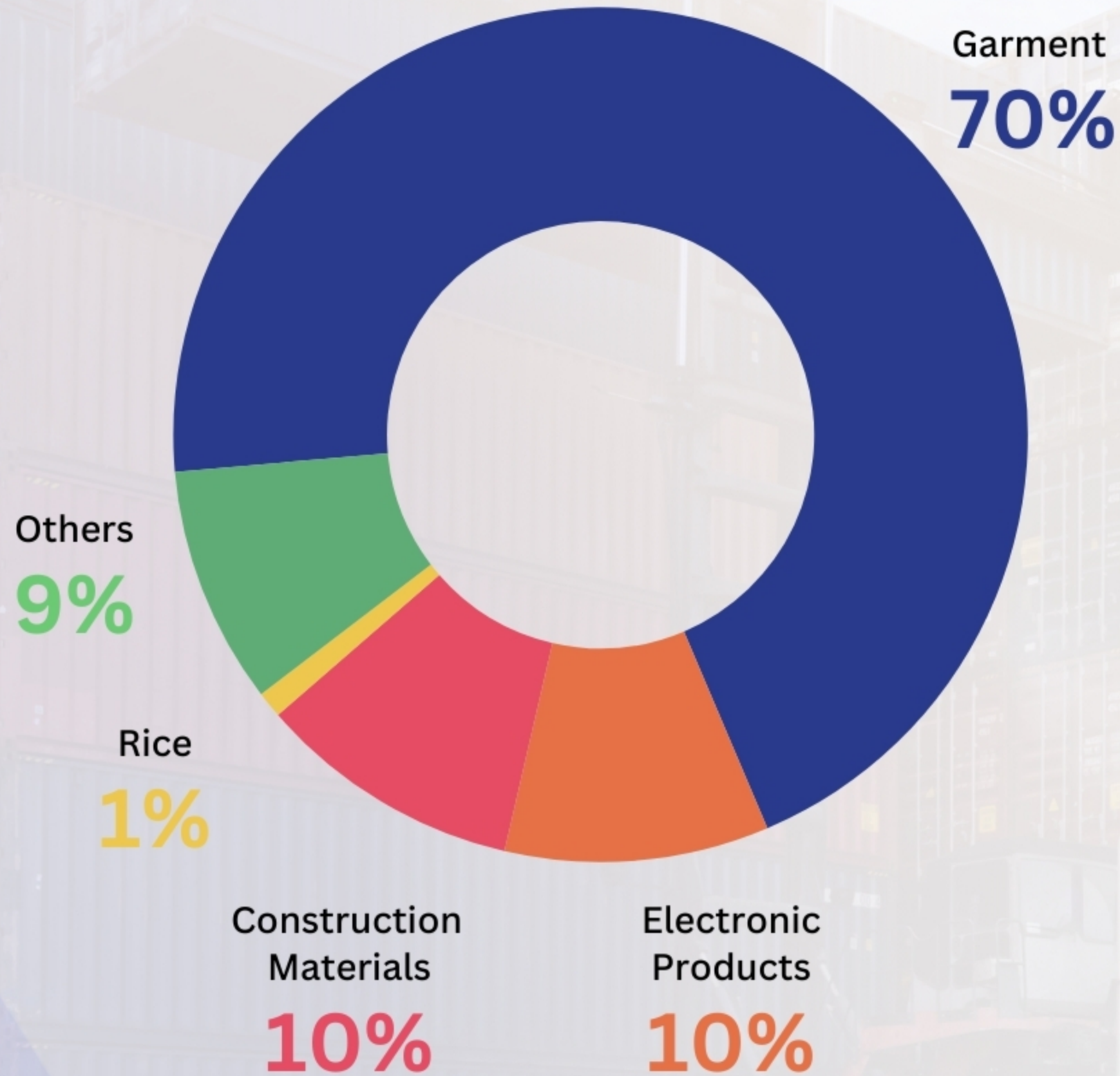
- The Container Throughput in 2024 was 480,200 TEUs
- The Container throughput in 2024 (480,200 TEUs), an increase of ▲21% compared to 2023 (396,225 TEUs)
- Compared to the plan for container throughput in 2024 (440,000 TEUs), PPAP has achieved more than ▲9.14% of the actual plan (480,200 TEUs)



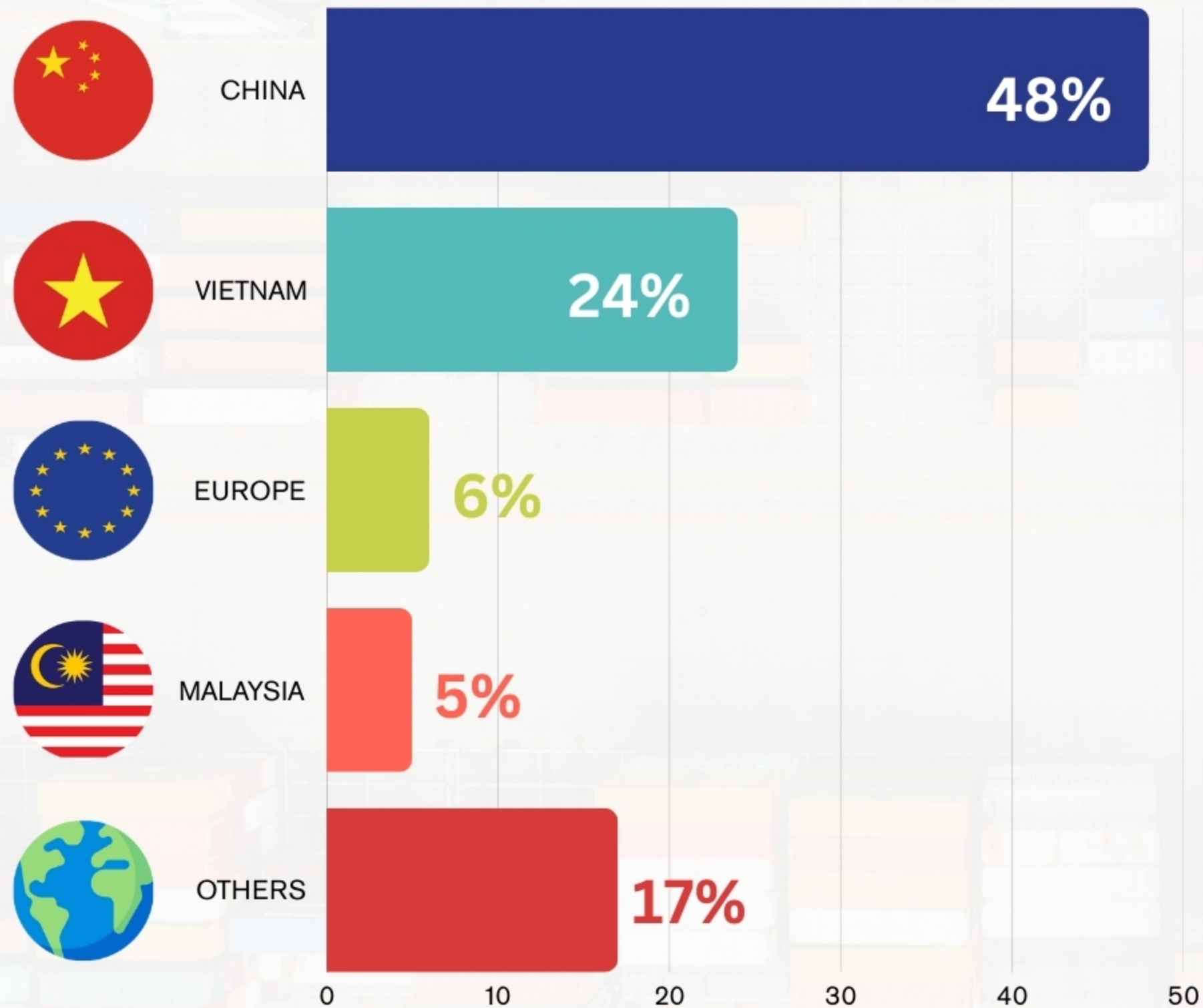
2.2 Cargoes Import in 2024 (TEUs)



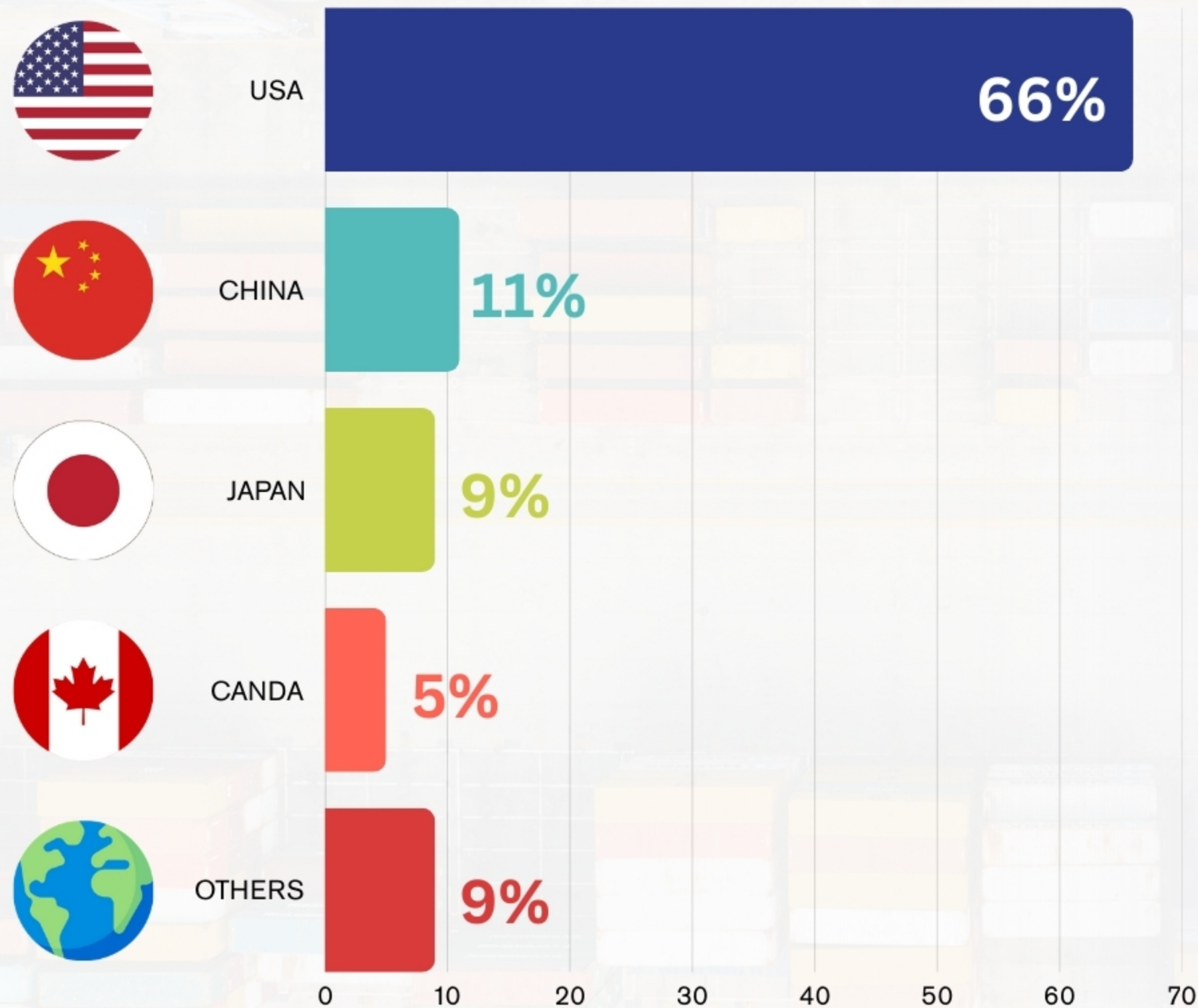
2.2 Cargoes Export in 2024 (TEUs)



2.3 Market Shares Import by Country in 2024

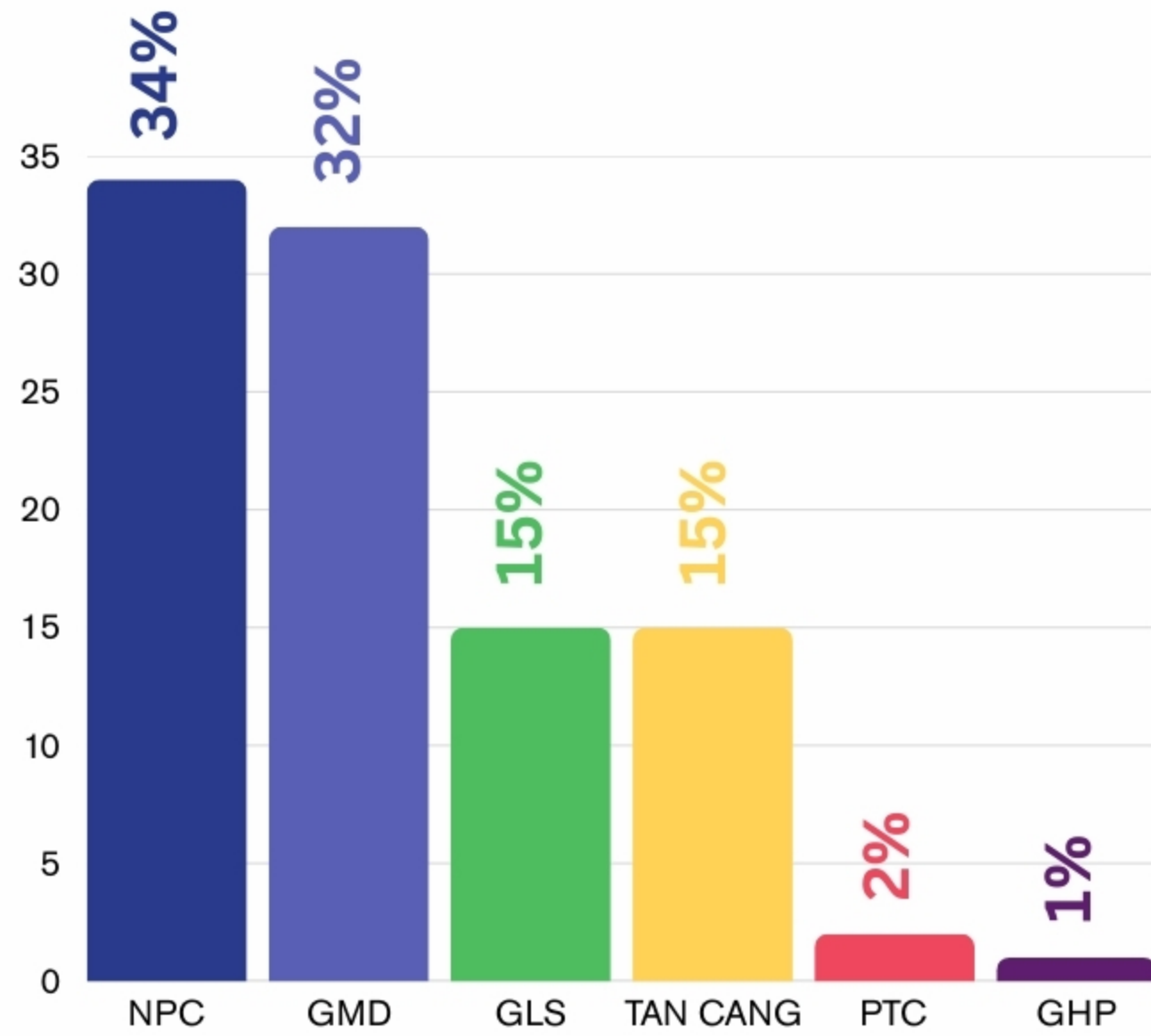


2.3 Market Shares Export by Country in 2024

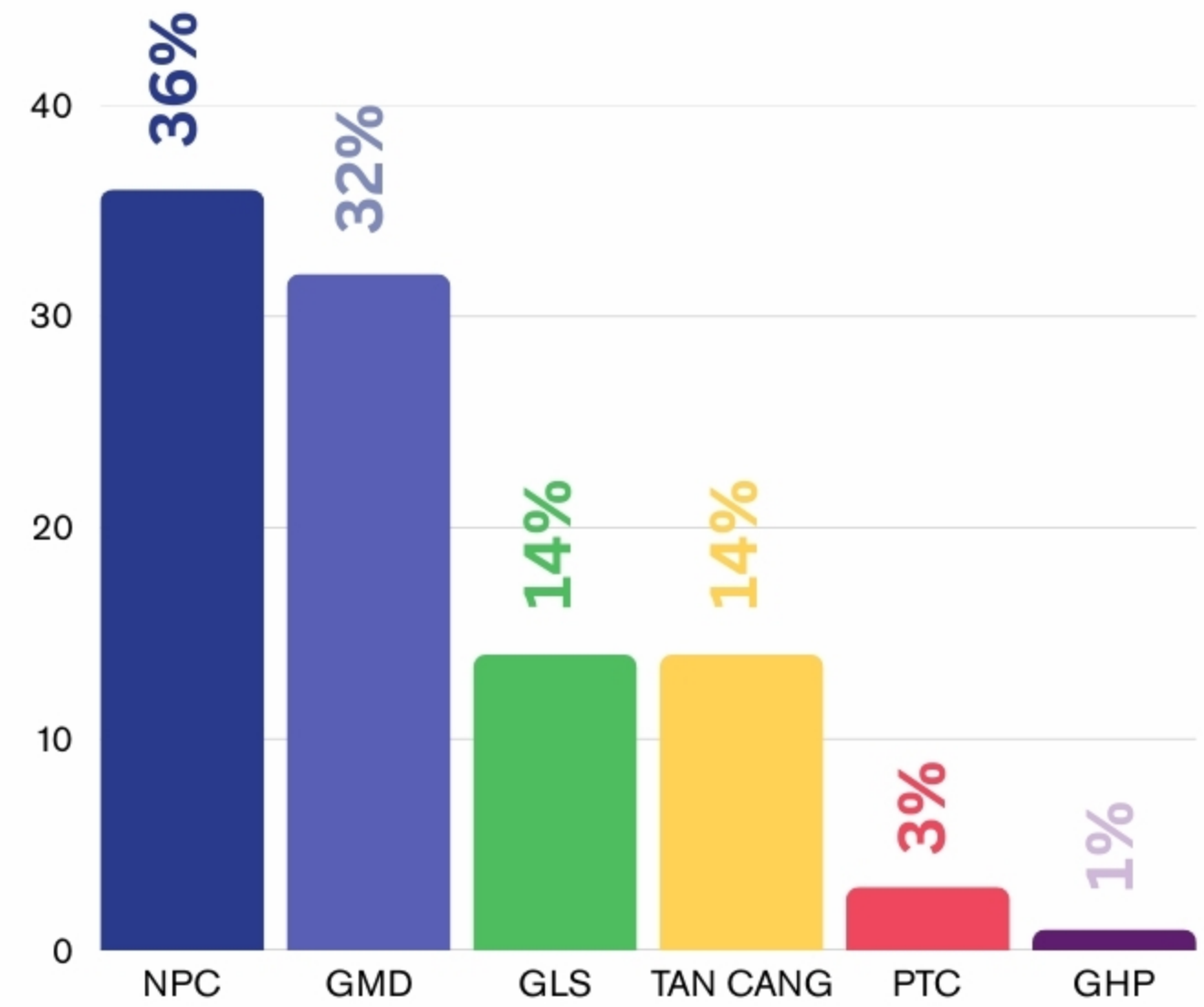


2.4 Barge Operators in 2024 (TEUs)

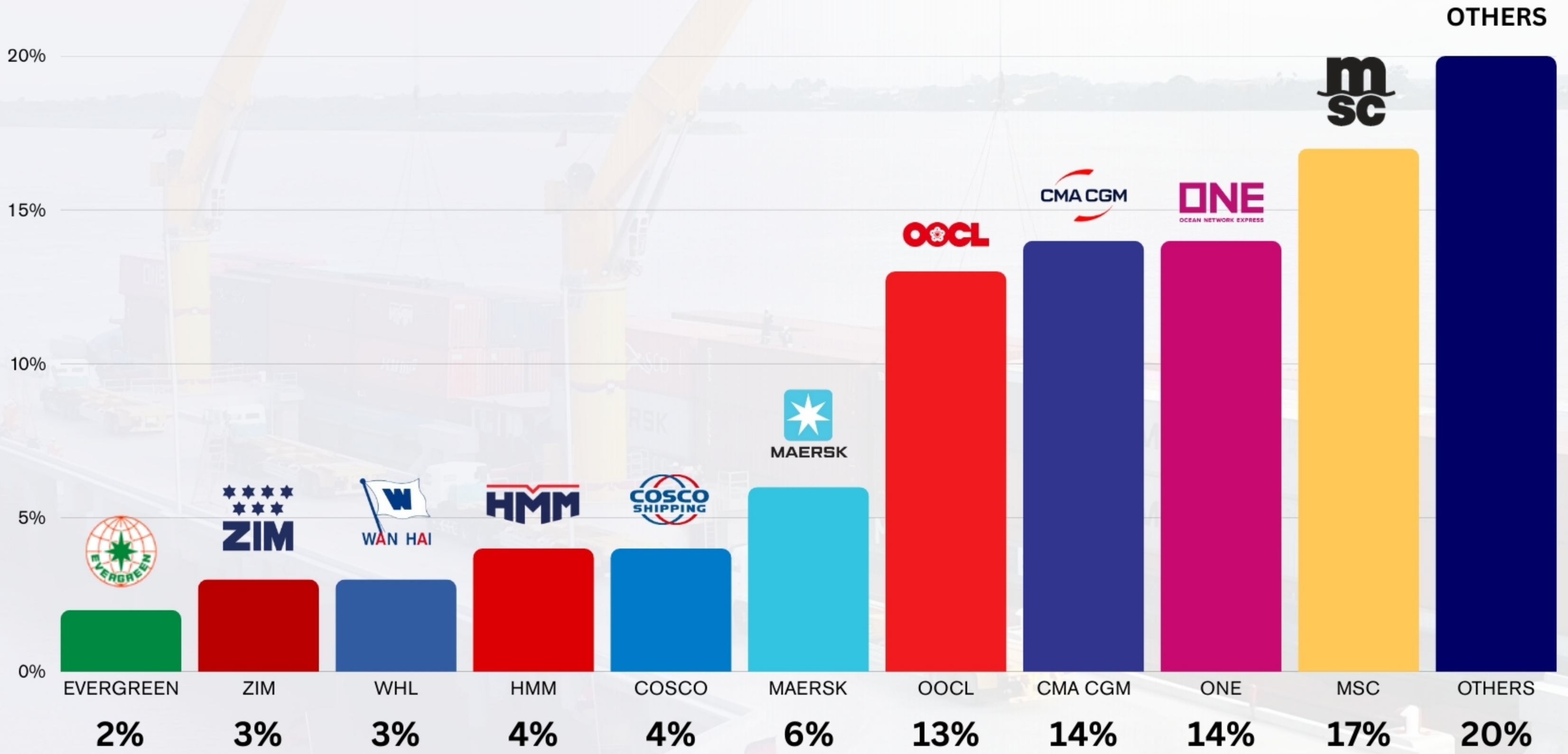
Import



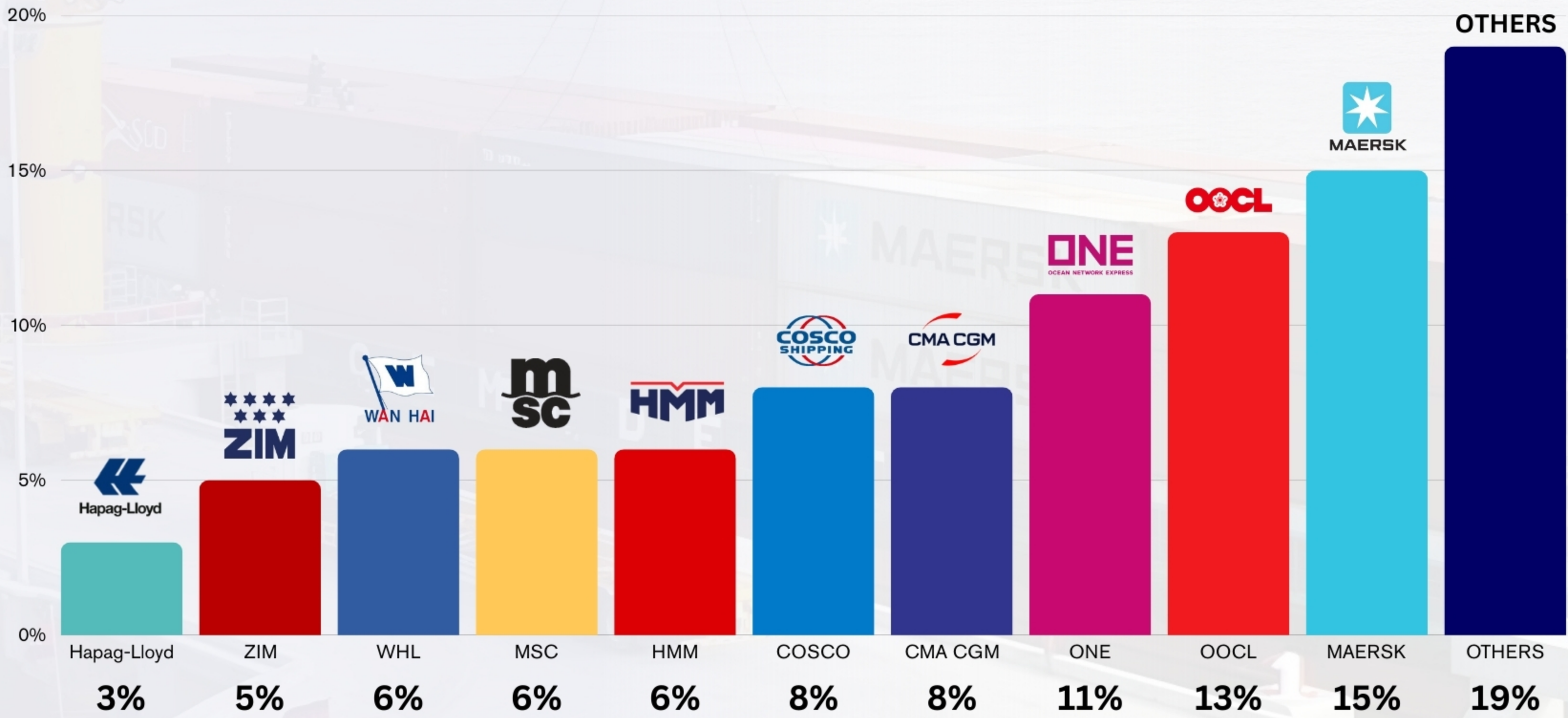
Export



2.5 Shipping Lines in 2024 (Import)



2.5 Shipping Lines in 2024 (Export)



03.

BUSINESS ACTIVITIES





Port Authority



Shifting



Pilotage



Berthing



Channel Maintenance



**Mooring/
Unmooring**



Tugboat



Port Operator



Stevedoring



Lift on/Lift off



ICD



Warehousing



Reefer Plug



Stuffing/Unstuffing



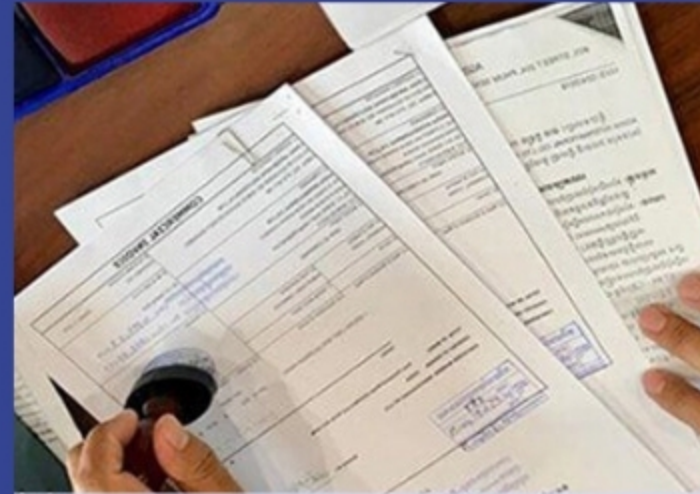
Logistics



Logistics Solution



Project Cargoes



Customs Clearance



Ocean Freight



Documentation



Trucking

04.

TRANSPORTATION CONNECTIVITY



4.1 Agreement on Waterway Transportation



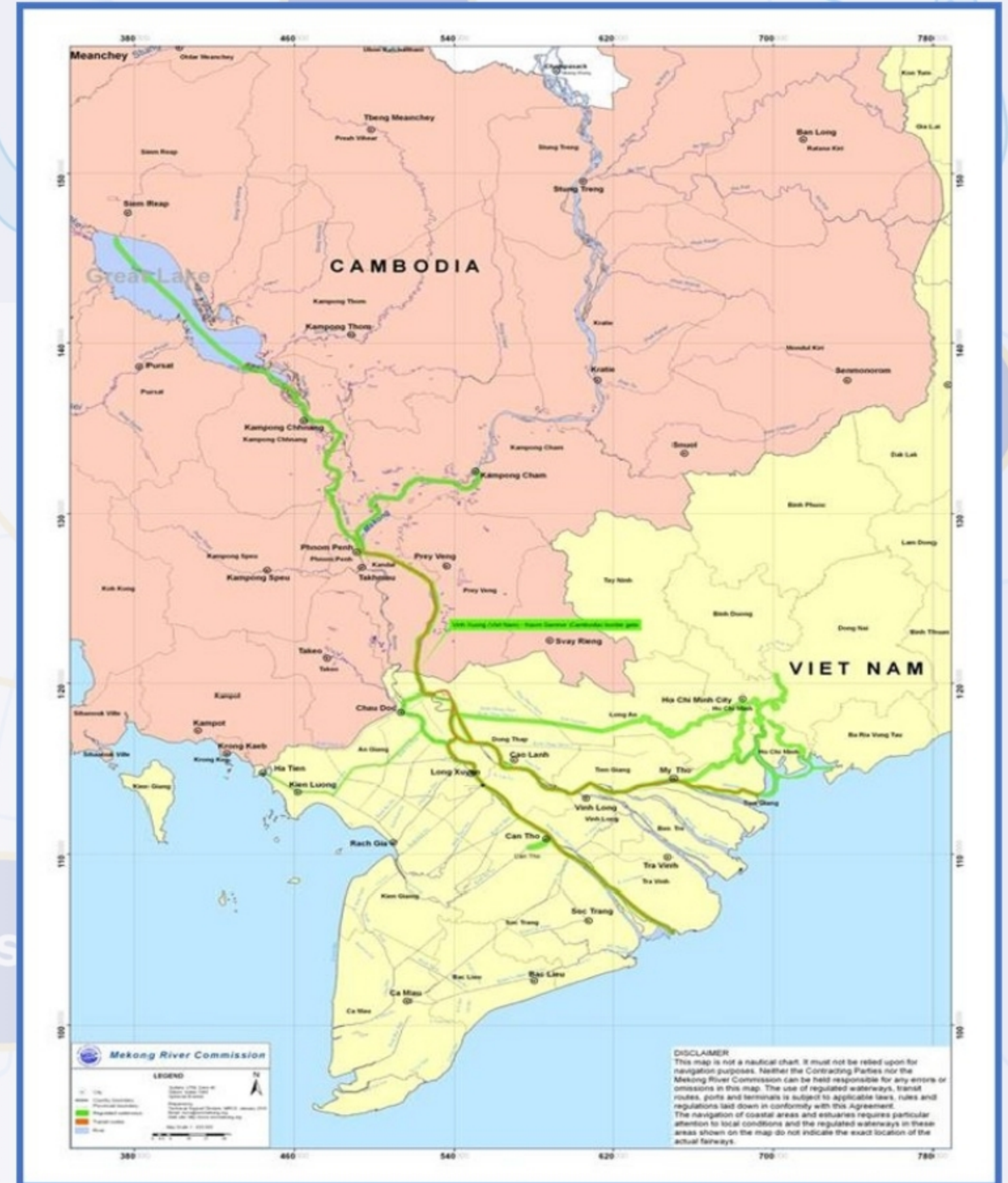
Freedom of Inland water navigation between Cambodia and Vietnam.



The **Regulated Waterways** of the **Tonle Sap, Mekong, Bassac, and Vam Nao rivers**, as well as **selected canals**, can be used by both Cambodian and Vietnamese vessels.

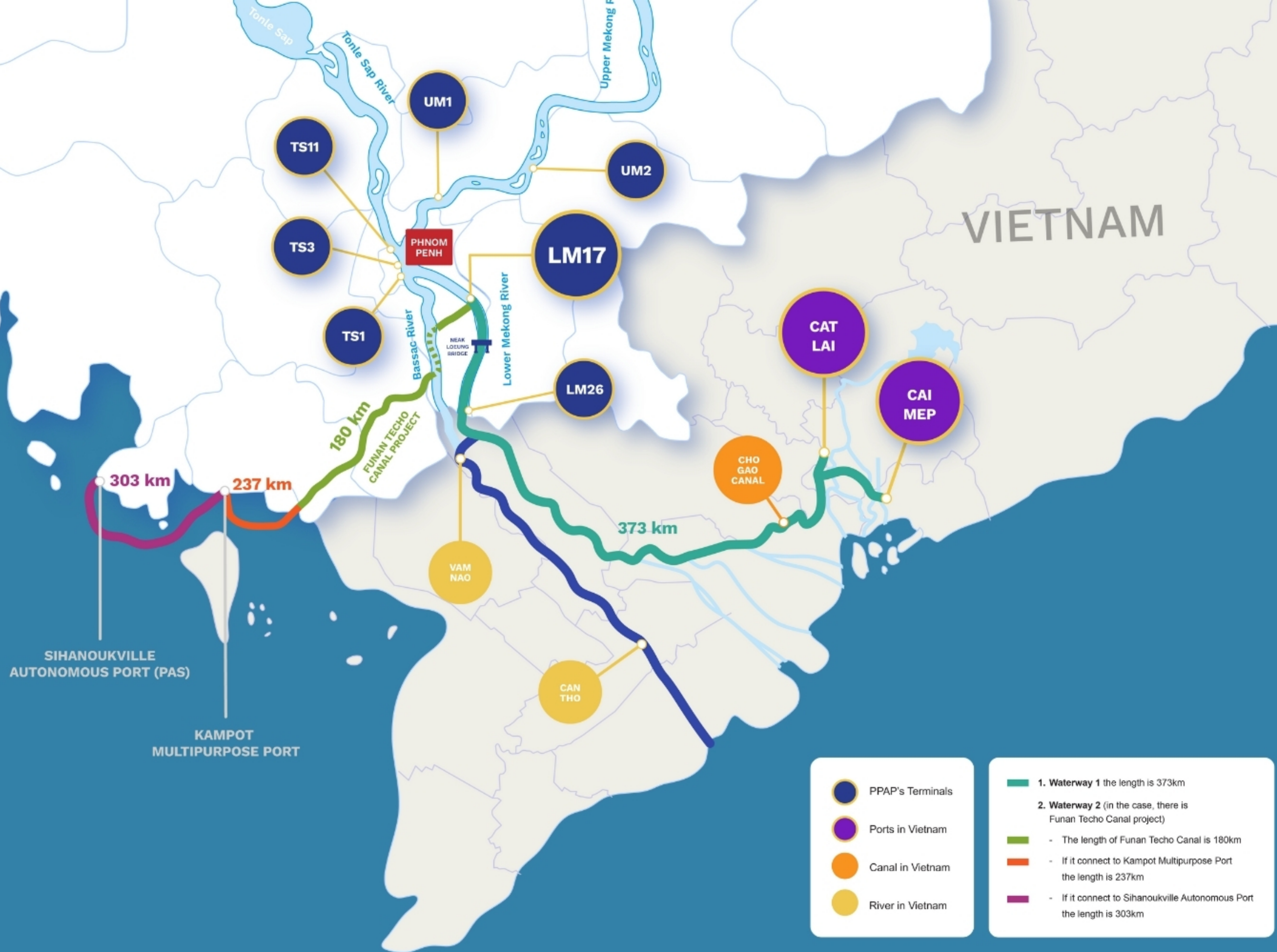


The **Transit Routes** are destined for maritime traffic and can be used by all sea-going vessels under foreign flags.



4. TRANSPORTATION CONNECTIVITY

Waterway

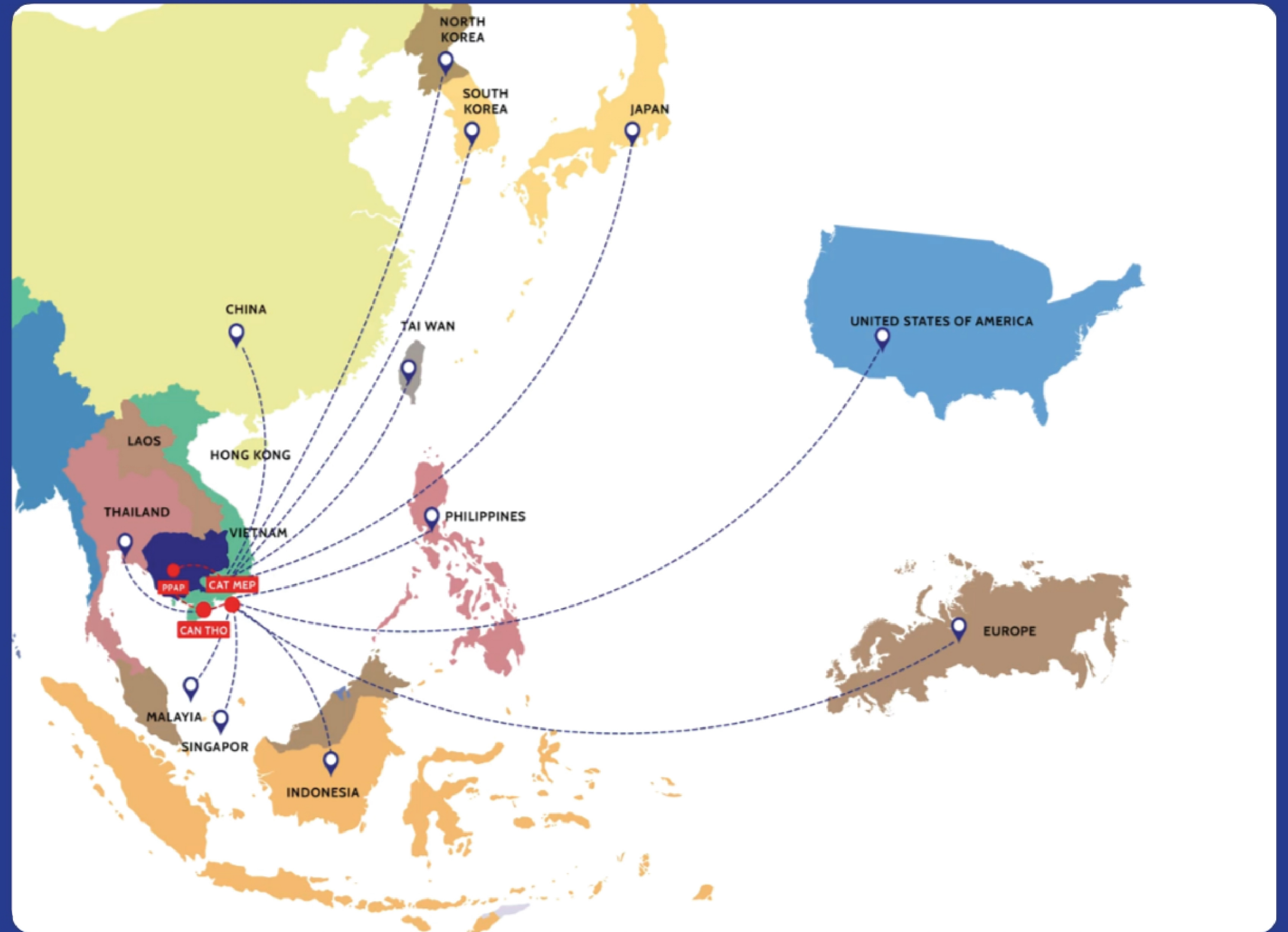


	PPAP's Terminals
	Ports in Vietnam
	Canal in Vietnam
	River in Vietnam
	1. Waterway 1 the length is 373km
	2. Waterway 2 (in the case, there is Funan Techo Canal project)
	- The length of Funan Techo Canal is 180km
	- If it connect to Kampot Multipurpose Port the length is 237km
	- If it connect to Sihanoukville Autonomous Port the length is 303km



4.2 PPAP's Overview Connectivities

4. TRANSPORTATION CONNECTIVITY

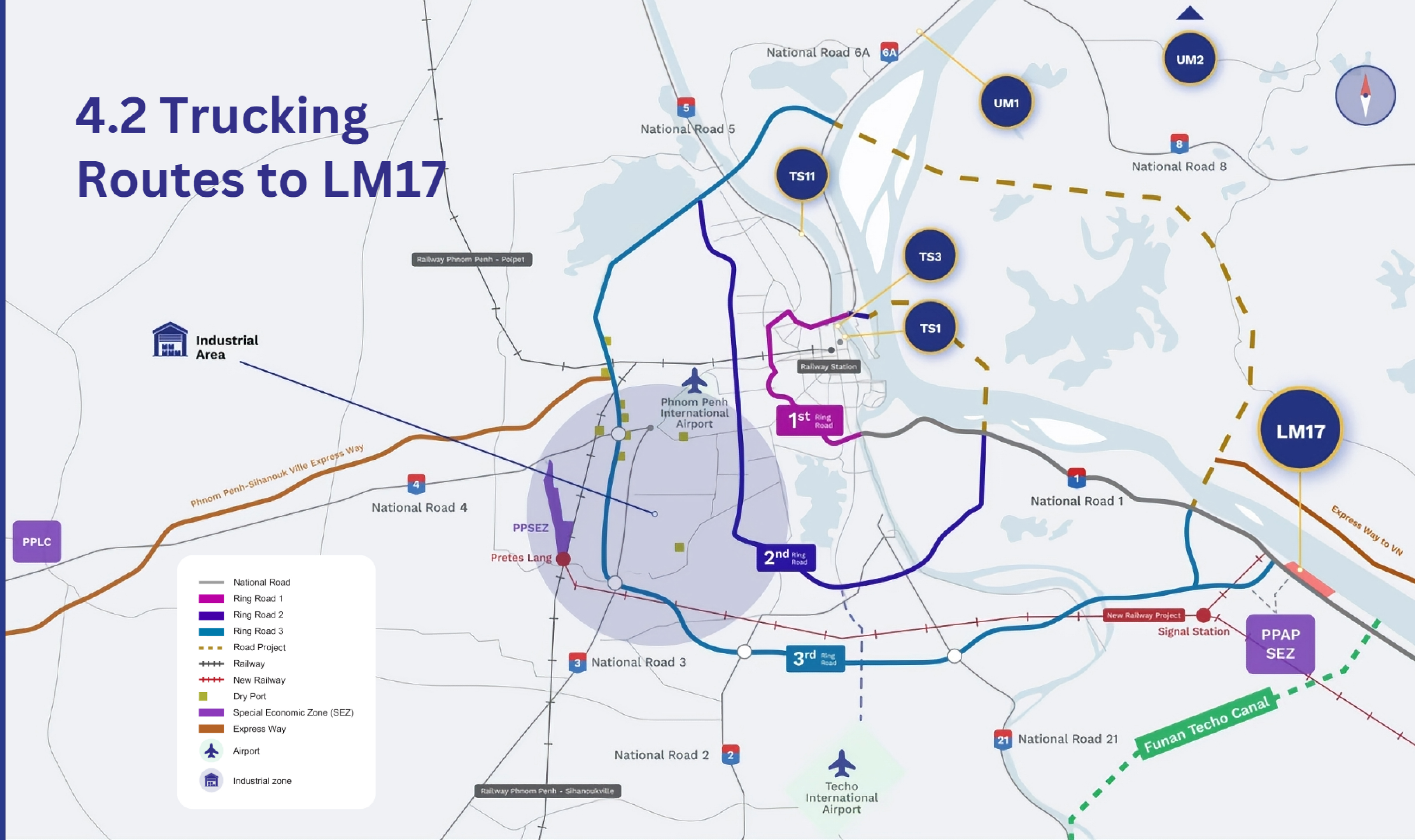


Cat Lai Port for intra-Asia

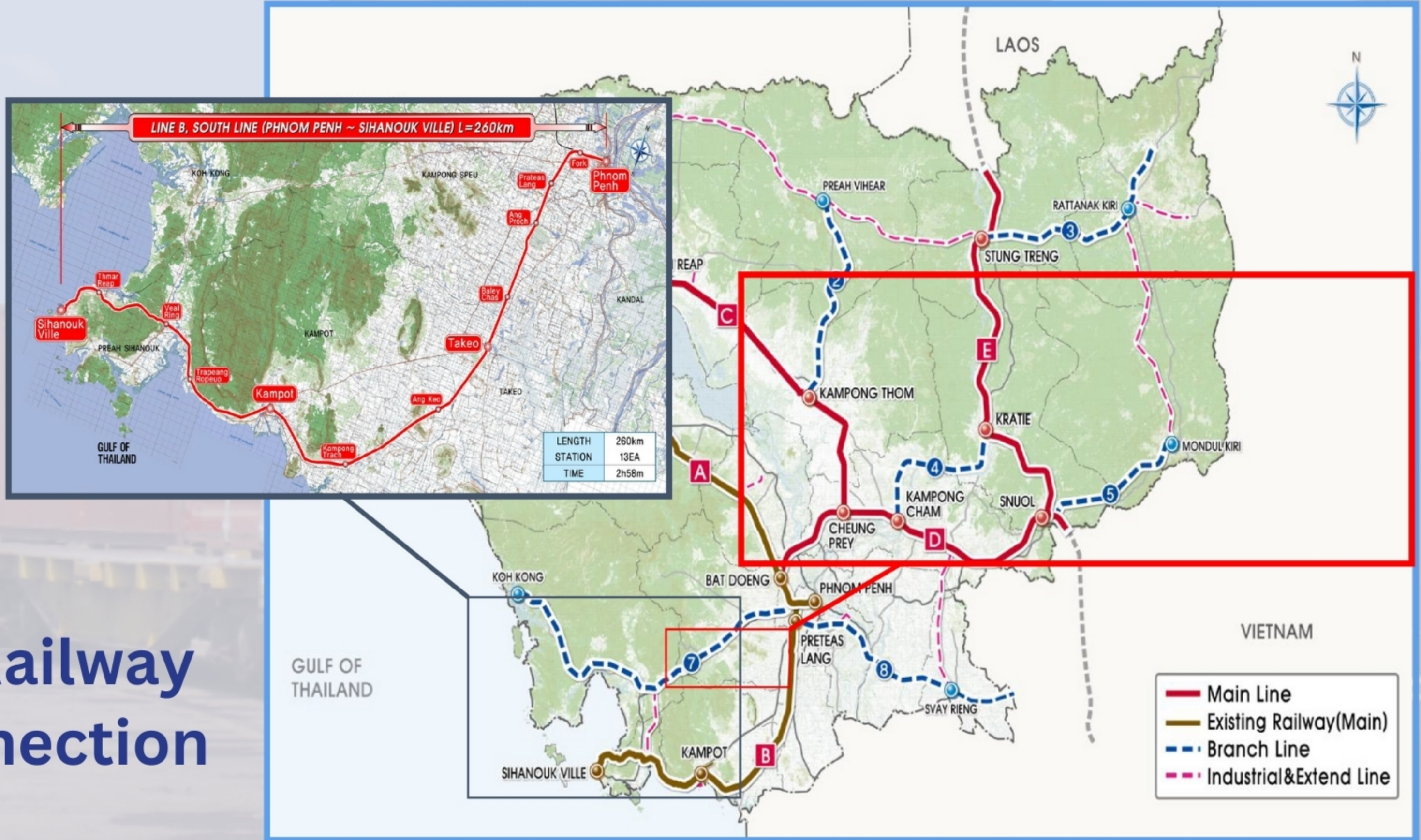
Cai Mep Hub Port for the United States and Europe



4.2 Trucking Routes to LM17



4.2 Railway Connection



05.

DEVELOPMENT PLANS



5.1 Expansion Plan of Container Terminal LM17



Phase	Land size	Year	Capacity
Phase I	10 hectares	2010 - 2013	150,000 TEUs/year
Phase II	4.5 hectares	2016 - 2018	300,000 TEUs/year
Phase III	4.5 hectares	2020 - 2023	500,000 TEUs/year
Phase IV	11.4 hectares	2024 - 2027	1,000,000 TEUs/year

STEP 3
2 RTG Road
Completion by Oct/2025

STEP 4
Completion by Jan/2027
from Apr/2025 (Bored Pile)

STEP 5
1 RTG Road
Completion by Apr/2027

STEP 2
2 RTG Road
Completion by Jul/2025

STEP 1
2 RTG Road
Completion by Mar/2025 (AC Road)
Mar/2025 (F, G Yard)
Apr/2025 (The Rest)

Road 7 (M0-300) Completion by Feb/2025

5.1 Development of Special Economic Zone (SEZ)



5.2 The Development of Dry Port

PPAP plans to develop the dry port as a value-added service to promote inland multimodal transportation and to bring **PPAP** closer to customers.



5.3 Creating a network of sub-feeder multipurpose terminals along the rivers

Operating Port Locations

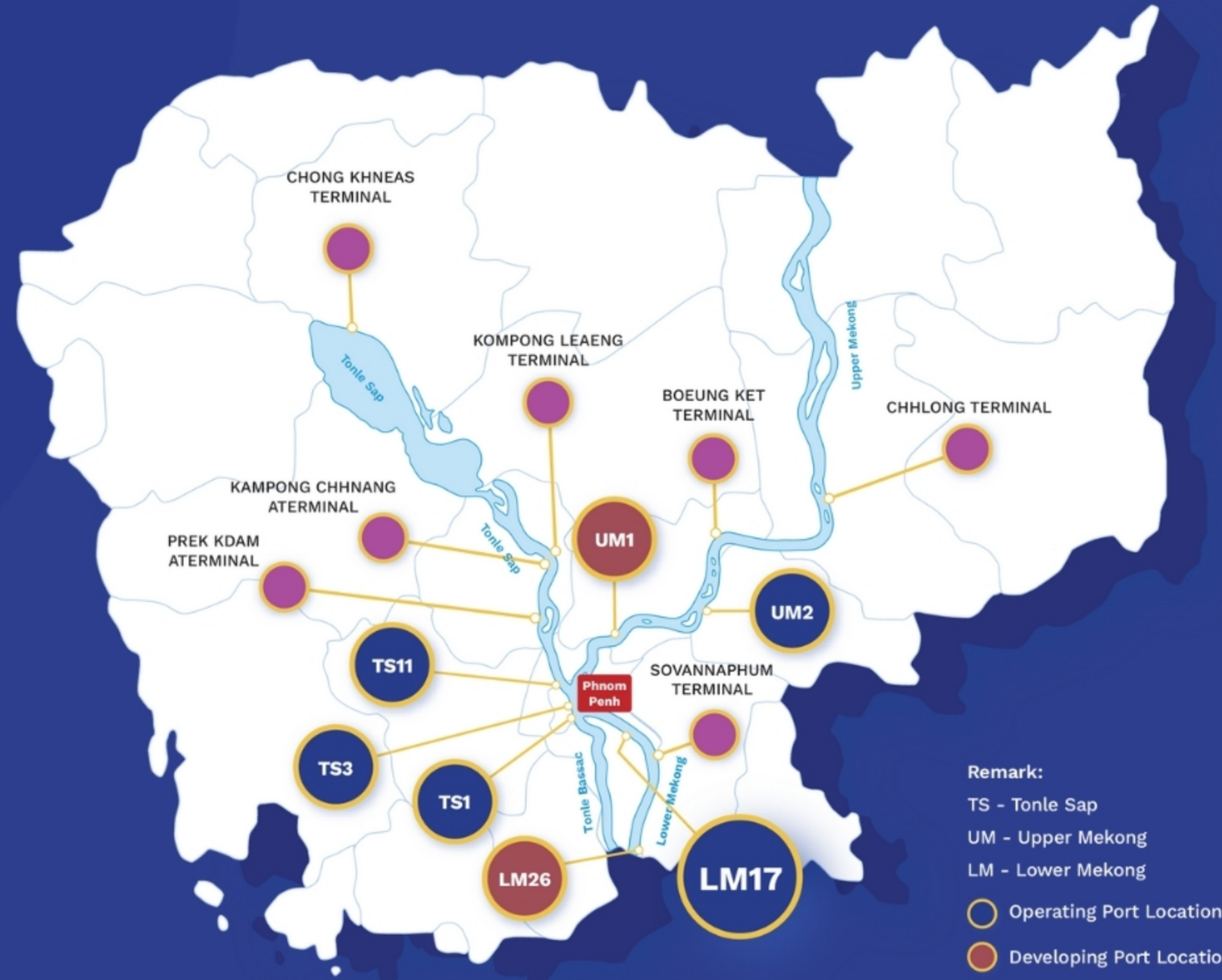
- TERMINAL LM17, Kandal Province
- TERMINAL UM2, Tboung Khmum Province
- TERMINAL TS11, Phnom Penh
- TERMINAL TS3, Phnom Penh
- TERMINAL TS1, Phnom Penh

Developing Port Locations

- TERMINAL UM1, Kandal Province
- TERMINAL LM26, Prey Veng Province

New Locations of the Port Development Plan

- CHHLONG TERMINAL, Kratie Province
- BOEUNG KET TERMINAL, Kampong Cham Province
- KOMPONG LEAENG TERMINAL, Kampong Chhnang Province
- CHONG KHNEAS TERMINAL, Siem Reap Province
- KAMPONG CHHNANG ATERMINAL, Kampong Chhnang Province
- PREK KDAM ATERMINAL, Kandal Province
- SOVANNAPHUM TERMINAL, Kandal Province



Remark:

- TS - Tonle Sap
- UM - Upper Mekong
- LM - Lower Mekong
- Operating Port Locations
- Developing Port Locations
- New Locations of the Port Development Plan



Terminal LM17

Mekong River



5.5 The Development of Rice Processing Facility



5.6 Channel Improvement



To deepen to **7.5m draft**, there needs to be some dredging done in Vietnam side and some capital dredging done in Cambodia side from LM17 to Vietnam – Cambodia border in the following places:

- **Piem Rang** - **Prek Dach**
- **Koh Decho** - - **Koh Koe**



There needs to be some dredging one for regular maintenance from Phnom Penh to Tonle Bet in the following places:

- **Sdao Canal**
- **Peam Chi Kong Canal**



PHNOM PENH AUTONOMOUS PORT

BY MARKETING TEAM

THANK YOU.



SCAN TO DOWNLOAD
PRESENTATION
SLIDES



SCAN TO
CONNECT
WITH US



ppapmpwt@online.com.kh
sale-marketing@ppap.com.kh

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