PHNOM PENH AUTONOMOUS PORT

កំពង់ផែស្វយ័តភ្នំពេញ

PHNOM PENH AUTONOMOUS PORT

WWW.PPAP.COM.KH

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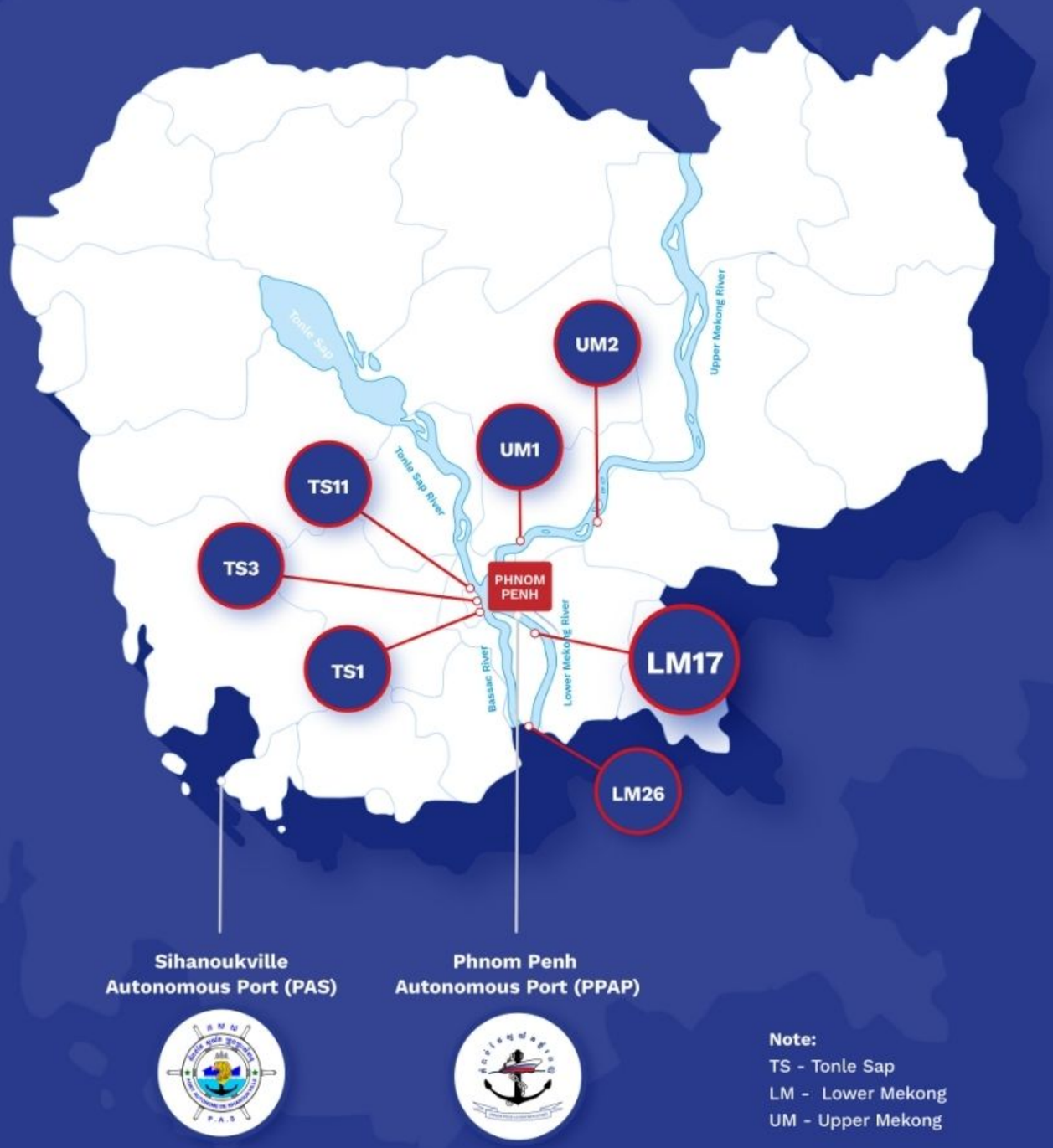


Note:
TS - Tonle Sap
LM - Lower Mekong
UM - Upper Mekong

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.

2026

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

1. PPAP AT A GLANCE

PHNOM PENH AUTONOMOUS PORT LOCATION

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

TERMINAL INFORMATION

CONTAINER TERMINAL LM17

Jetties:	• 22 x 300m = 1 • 12 x 149m = 1 • 16 x 149m = 1
Berth:	9 Berths
River Draft:	4.5m
Barge Capacity:	3,000-4,000 Tons (250-300 TEUs)
Crane Productivity:	• (4 TCC & 4 FCC): 20-25 MPH • (22 RTG): 20-25 MPH • (2 Floating Crane): 15 MPH
Port Capacity:	1,000,000 TEUs/year
Reefer Plug:	256 plugs
Warehouse:	• 24m x 60m • 30m x 60m
Total Land Size:	40 hectares (33.22 Operational)
Navigation time:	• LM17 to Cai Mep ≈ 28 to 32 hours • LM17 to Cat Lai ≈ 21 to 25 hours
Distance:	• LM17 to Cai Mep: 373 km • LM17 to Cat Lai: 345 km

The Evolution of Container Terminal LM17's Capacity

Custom Warehouse at Container Terminal LM17

Custom Warehouse:
30m x 60m

Custom Warehouse:
24m 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:	• 12 x 46.9m • 45m (General Cargo)
Berth:	2 Berths
River Draft:	4.5m
Barge Capacity:	3,000-4,000 Tons (250-300 TEUs)
Crane Productivity:	• (1 FCC): 15-20 MPH • (Crawler Crane): 100 tons
Port Capacity:	70,000 TEUs/year
Reefer Plug:	36 plugs
Warehouse:	40m x 150m
Land Size:	24.04 hectares (5.49 Operational)
Navigation time:	• UM2 to Cai Mep ≈ 31 to 42 hours • UM2 to Cat Lai ≈ 30 to 40 hours
Distance:	• UM2 to Cai Mep 503 km • UM2 to Cat Lai 475 km

NOW

FUTURE

1. PPAP AT A GLANCE

PHNOM PENH AUTONOMOUS PORT LOCATION

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

TERMINAL INFORMATION

SUB-FEEDER MULTIPURPOSE TERMINAL UM1

Jetty:	**12m x 24m**
Berth:	**1 Berth**
River Draft:	**4.5m**
Barge Capacity:	**3,000-4,000 Tons (250-300 TEUs)**
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:	**• UM1 to Cai Mep ≈ 32 to 43 hours • UM1 to Cat Lai ≈ 27 to 38 hours**
Distance:	**• UM1 to Cai Mep 513 km • UM1 to Cat Lai 485 km**

NOW

FUTURE

1. PPAP AT A GLANCE

PHNOM PENH AUTONOMOUS PORT LOCATION

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

TERMINAL INFORMATION

SUB-FEEDER MULTIPURPOSE TERMINAL TS11

Jetty:	**12m x 60m**
Berth:	**1 Berth**
River Draft:	**4.5m**
Barge Capacity:	**3,000-4,000 Tons (250-300 TEUs)**
Crane Productivity:	**(1 FCC): 15-20 MPH**
Port Capacity:	**60,000 TEUs/year**
Reefer Plug:	**36 plugs**
Warehouse:	**• 1,848m2 • 2,854m2**
Land Size:	**4 hectares**
Navigation time:	**• TS11 to Cai Mep ≈ 32 to 43 hours • TS11 to Cat Lai ≈ 27 to 38 hours**
Distance:	**• TS11 to Cai Mep 513 km • TS11 to Cat Lai 485 km**

NOW

FUTURE

PHNOM PENH AUTONOMOUS PORT LOCATION

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

TERMINAL INFORMATION

MULTIPURPOSE TERMINAL TS3

Jetty:	**20m x 300m**
Berth:	**6 Berths**
River Draft:	**4.5m**
Pontoon:	**2 Floating pier - 42m x 12m**
Passenger and Tourist Station Hall:	**52m x 17m**
Land Size:	**8.58 hectares (1.97 Operational)**
Navigation time:	**TS3 to HCM ≈ 31 hours**
Distance:	**TS3 to HCM 470 km**

NOW

FUTURE

PHNOM PENH AUTONOMOUS PORT LOCATION

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

TERMINAL INFORMATION

PASSENGER AND TOURIST TERMINAL TS1

Pontoon:	• 30m x 12m • 45m x 15m
Berth:	2 Berths
River Draft:	4.5m
Land Size:	0.60 hectares (0.23 Operational)
Navigation time:	TS3 to HCM ≈ 31 hours
Distance:	TS3 to HCM 470 km

NOW

FUTURE

1. PPAP AT A GLANCE

PHNOM PENH AUTONOMOUS PORT LOCATION

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

TERMINAL INFORMATION

SUB-FEEDER MULTIPURPOSE TERMINAL LM26

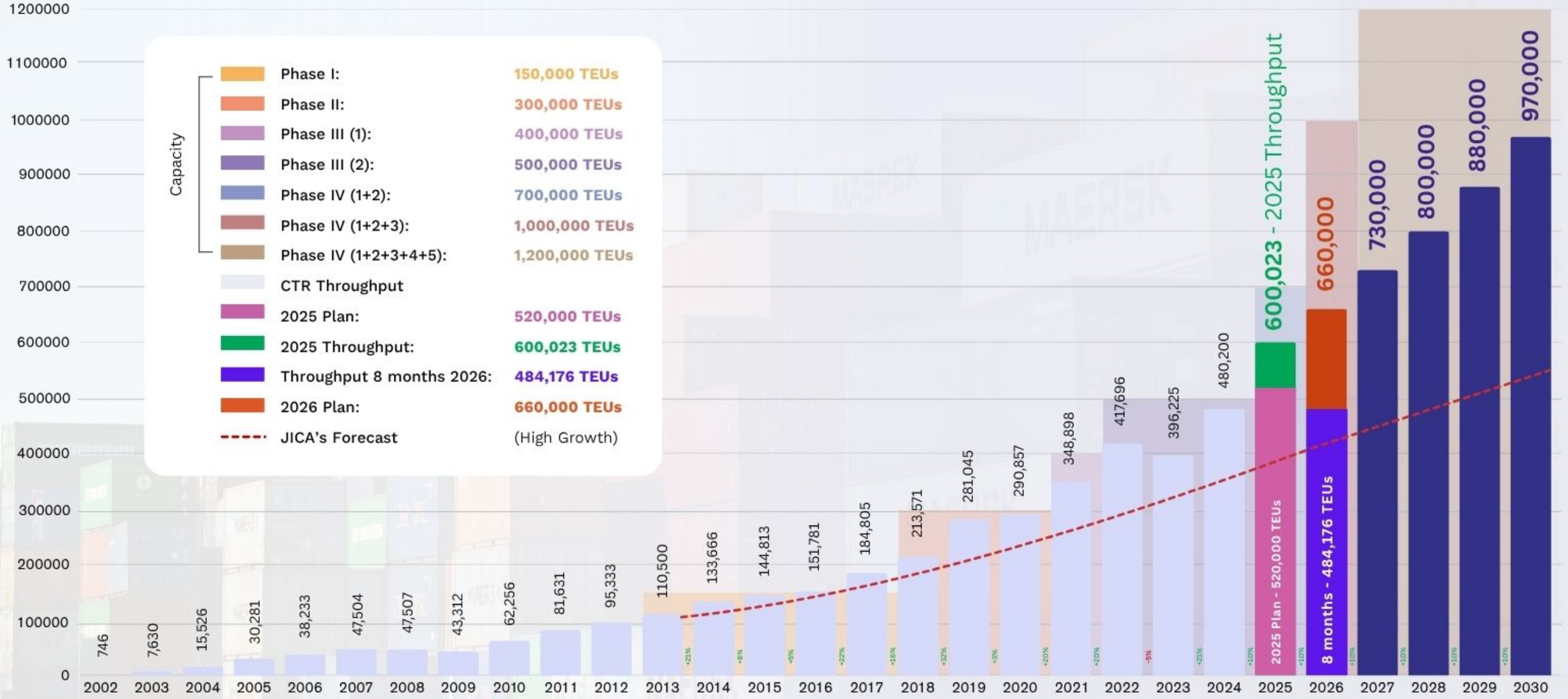
Pontoon:	**45m x 15m**
Berth:	**5 Berths**
River Draft:	**4.5m - 5.5m**
Floating Crane:	**• (100 tons): 12-15 MPH** **• (130 tons): 12-15 MPH**
Port Capacity:	**30,000 TEUs/year**
Truck Scale:	**1 unit**
Conveyer:	**4 units**
Location:	**Cambodia-Vietnam International Border Gate (Koh Roka - Thuong Phuoc)**
Warehouse:	**30m x 50m**
Land Size:	**21.90 hectares (19.86 Operational)**
Navigation time:	**• LM26 to Cai Mep ≈ 17 to 23 hours** **• LM26 to Cat Lai ≈ 15 to 21 hours**
Distance:	**• LM26 to Cai Mep 275 km** **• LM26 to Cat Lai 247 km**

NOW

FUTURE

02.
STATISTICS OF CARGOES

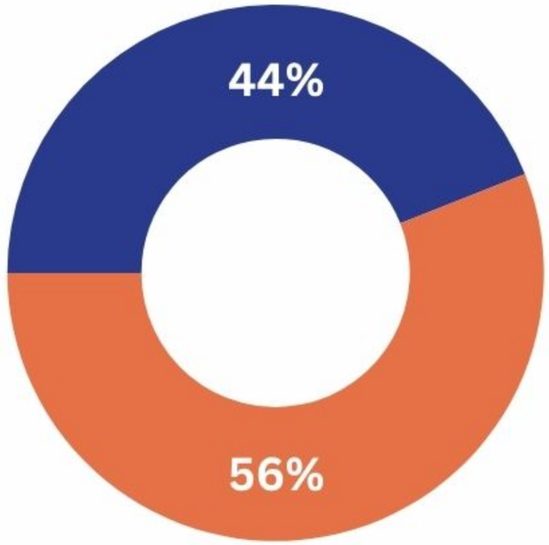
2.1 Container Throughput via PPAP between 2002-2025 and 2026 Plan (TEUs)
JICA's Forecast of High-Growth Containers & the Total Port Capacity of Container Terminal LM17



- The Container throughput in 2025 was **600,023 TEUs**, an increase of **▲25%** compared to 2024 (**480,200 TEUs**).
- Compared to the plan for container throughput in **2025 (520,000 TEUs)**, PPAP has achieved more than **▲15%** of the actual plan at **600,023 TEUs**.
- The container throughput in the first 8 months of 2026 reached **484,176 TEUs**, which is **▲24%** increase compared to the same period in 2025 (390,778 TEUs).

2.2 Import and Export Container Throughput by Laden/Empty Status (8 months of 2026)

1 CARGO IMPORT/EXPORT



IMPORT	214,120 TEUs
EXPORT	270,056TEUs
TOTAL	484,176 TEUs

2 LADEN & EMPTY CONTAINERS

IMPORT | 214,120 TEUs (44%)

LADEN CONTAINERS
52,141 TEUs (24%)

EMPTY CONTAINERS
161,979 TEUs (76%)

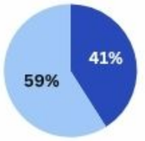
EXPORT | 270,056 TEUs (56%)

LADEN CONTAINERS
264,178 TEUs (98%)

EMPTY CONTAINERS
5,878 TEUs (2%)

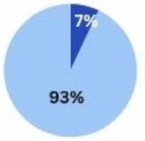
3 CONTAINER SIZE (20' & 40')

IMPORT - LADEN CONTAINERS 52,141 TEUs (24%)



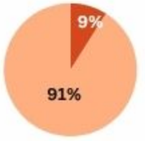
20'	21,125 TEUs (41%)
40'	31,016 TEUs (59%)

IMPORT - EMPTY CONTAINERS 161,979 TEUs (76%)



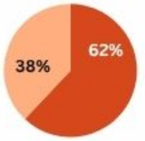
20'	11,599 TEUs (7%)
40'	150,380 TEUs (93%)

EXPORT - LADEN CONTAINERS 264,178 TEUs (98%)



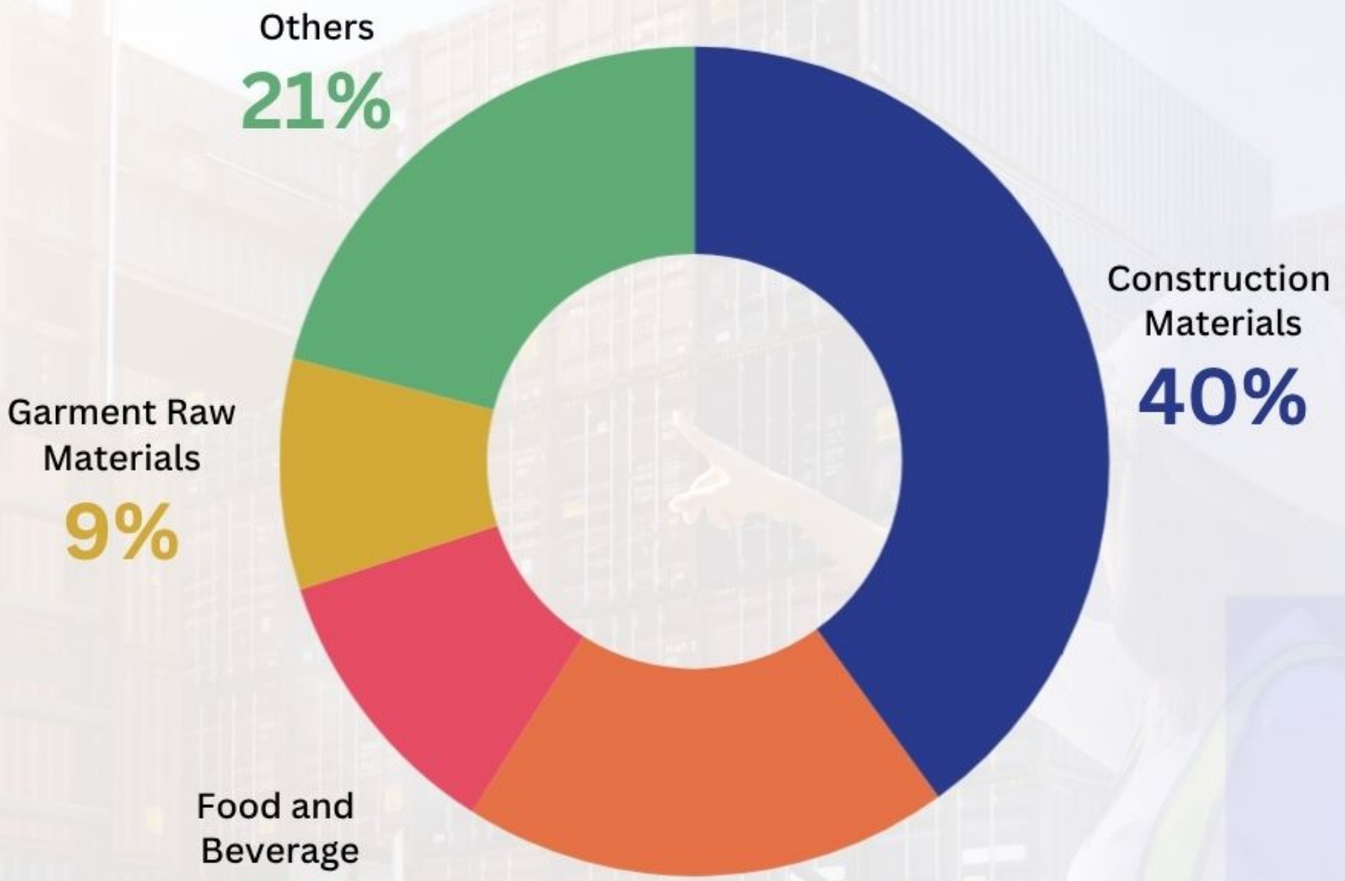
20'	24,072 TEUs (9%)
40'	240,106 TEUs (91%)

EXPORT - EMPTY CONTAINERS 5,878 TEUs (2%)

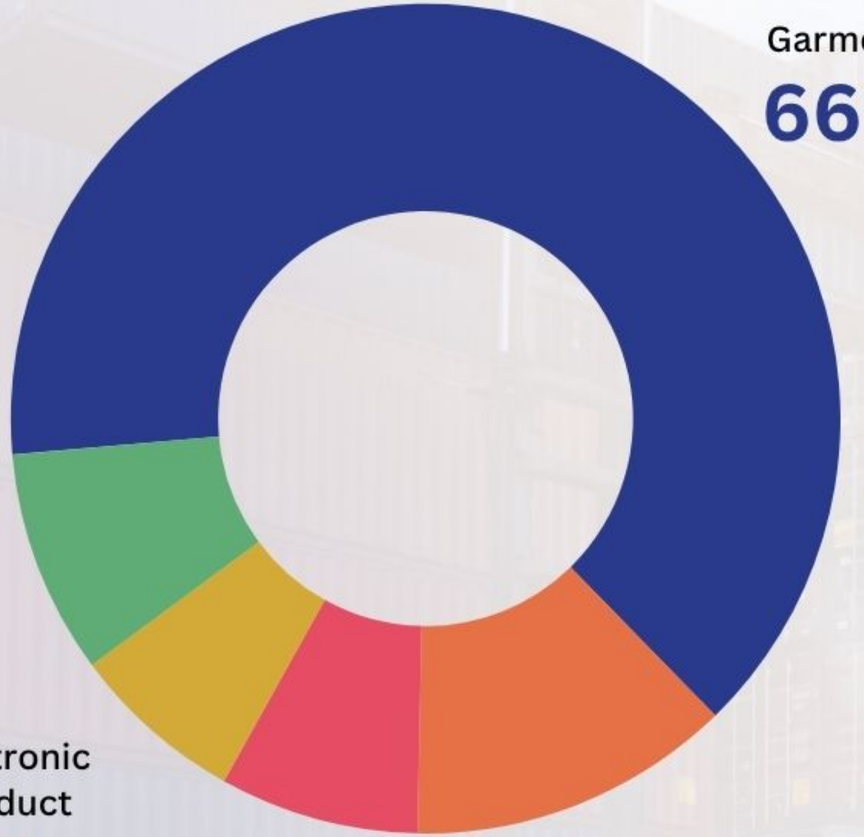


20'	3,626 TEUs (62%)
40'	2,252 TEUs (38%)

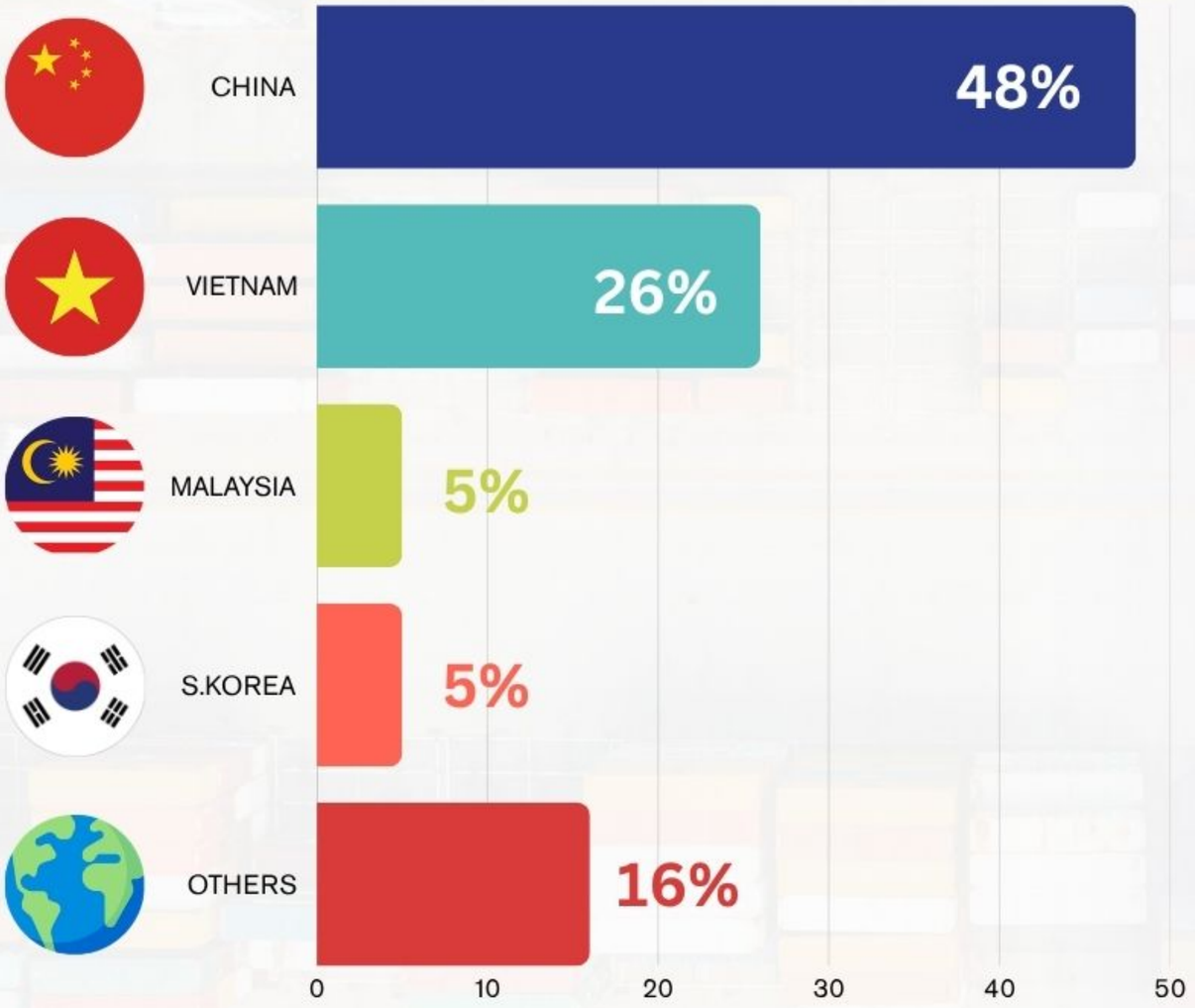
2.3 Cargoes Import in 2025 (TEUs)



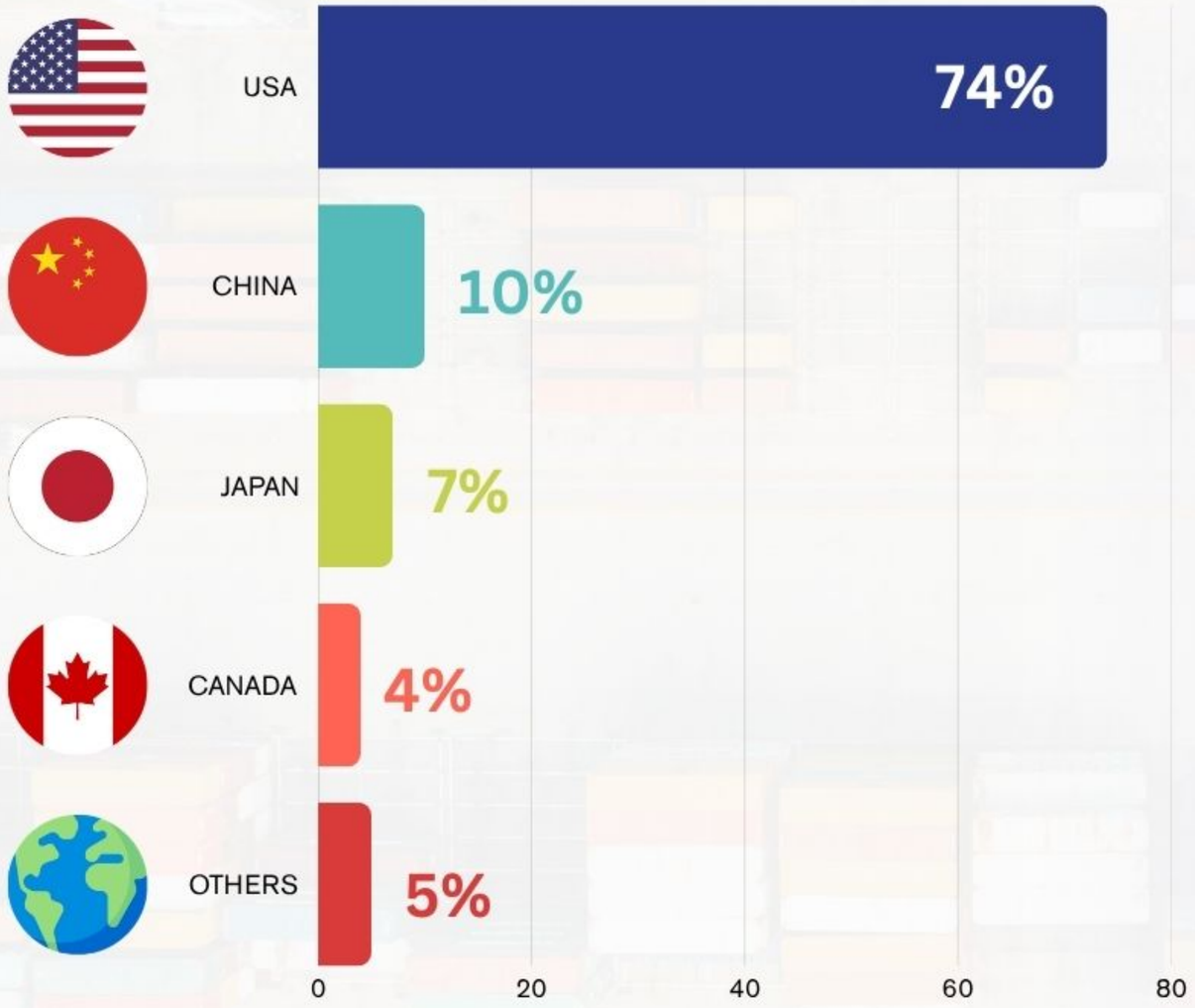
2.3 Cargoes Export in 2025 (TEUs)



2.4 Market Shares Import by Country in 2025 (TEUs-Laden)

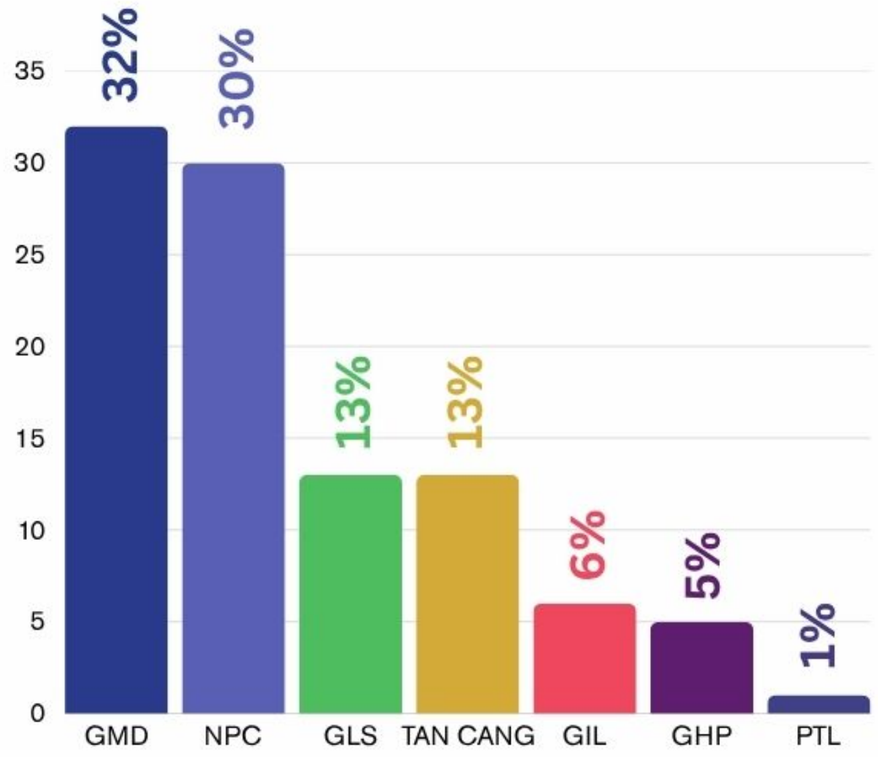


2.4 Market Shares Export by Country in 2025 (TEUs-Laden)

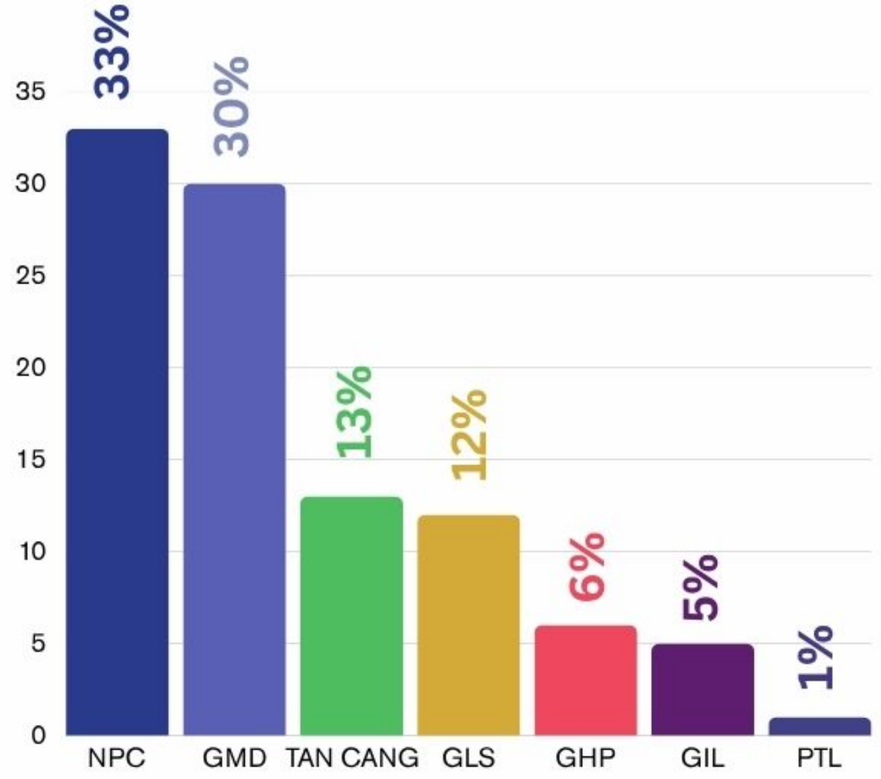


2.5 Barge Operators in 2025 (TEUs)

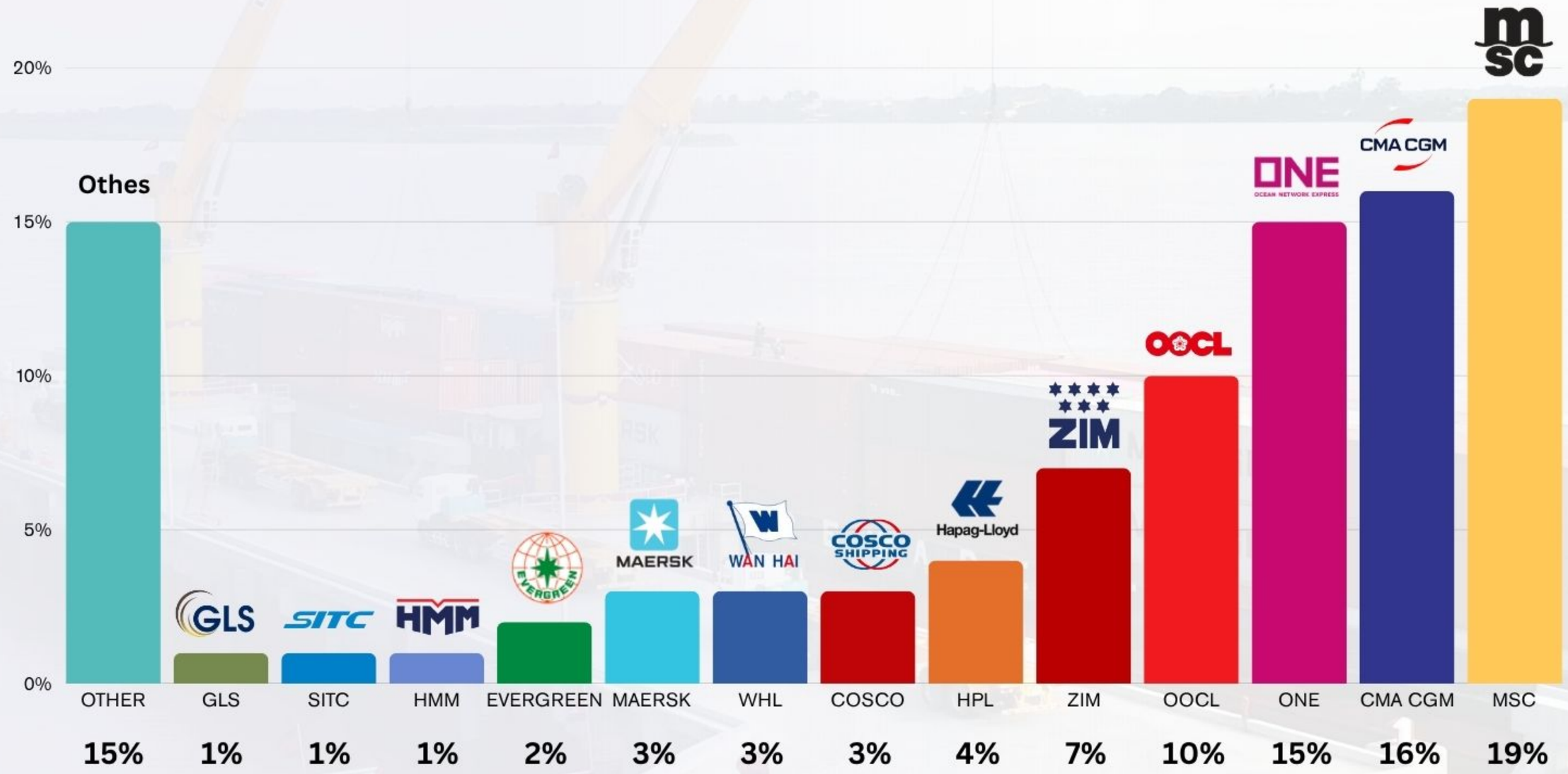
Import



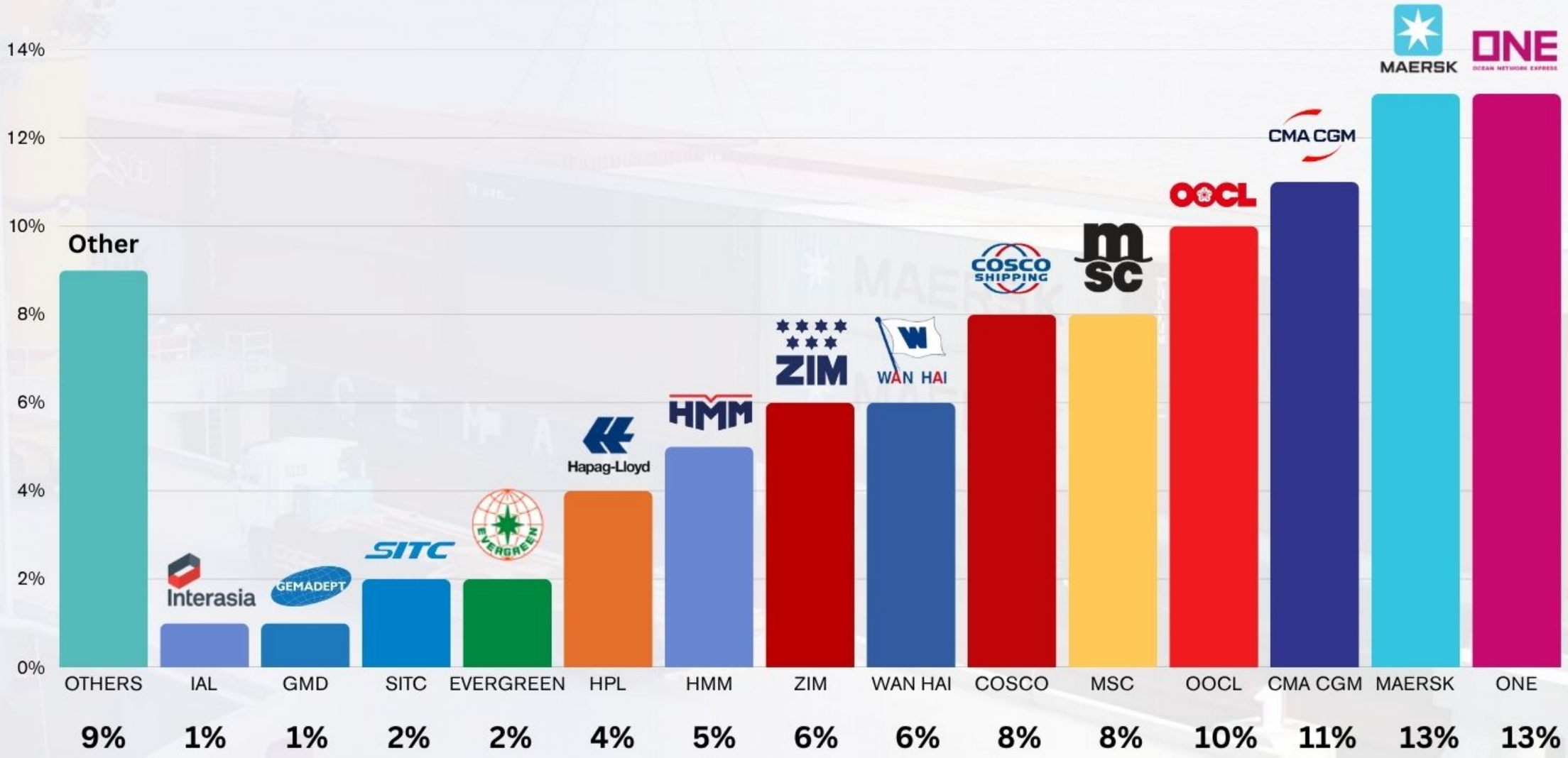
Export



2.6 Shipping Lines in 2025 (Import)



2.6 Shipping Lines in 2025 (Export)



03.
BUSINESS ACTIVITIES

Port Authority

Shifting

Pilotage

Berthing

Channel Maintenance

Mooring/
Unmooring

Tugboat

Port Operator

Stevedoring

Lift on/Lift off

Reefer Plugs

ICD

Warehousing

Stuffing/Unstuffing

Logistics

Logistics Solution

Documentation

Customs Clearance

Trucking

Ocean Freight

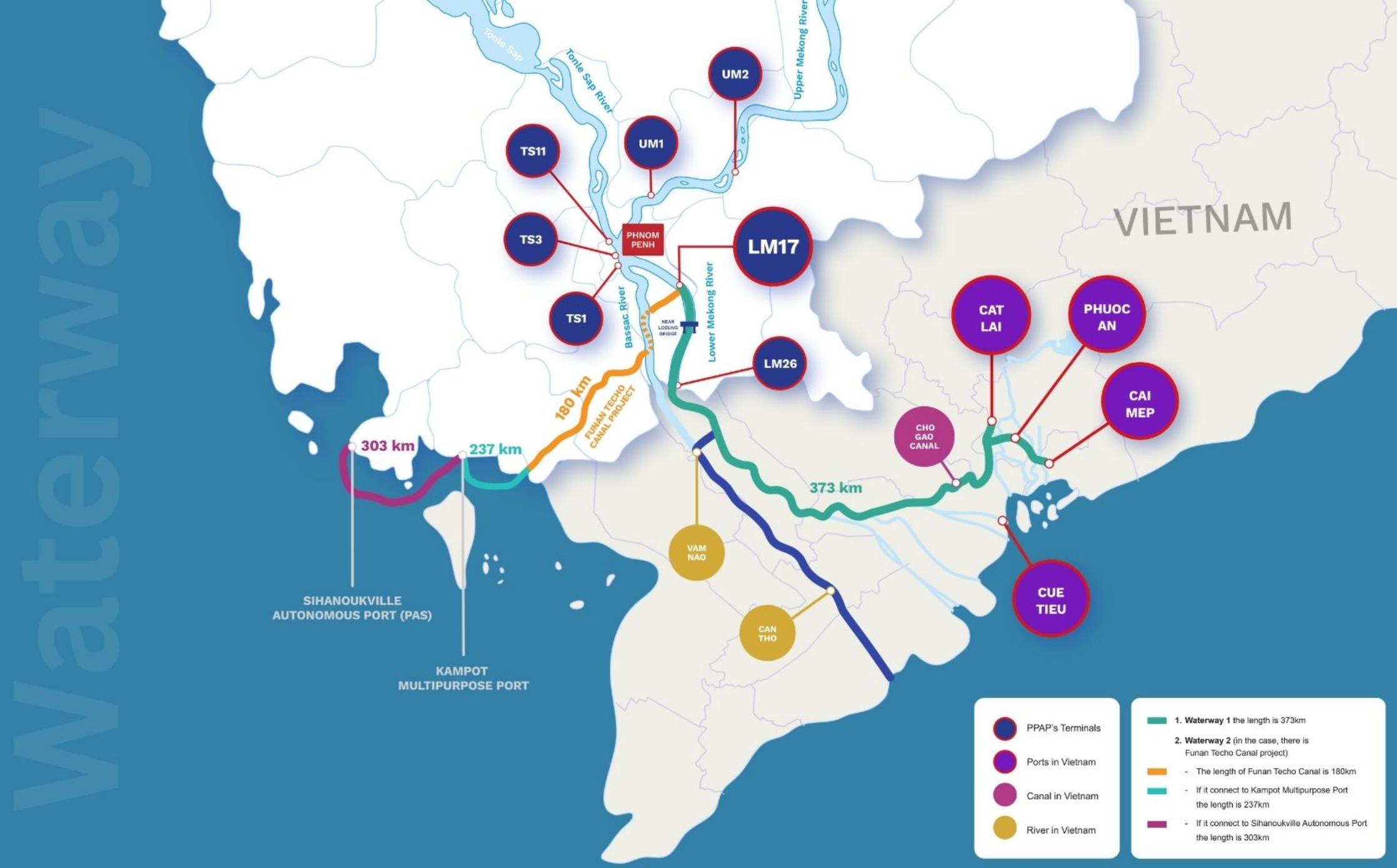
Project Cargoes

04.
TRANSPORTATION CONNECTIVITY

4.1 Agreement on Waterway Transportation

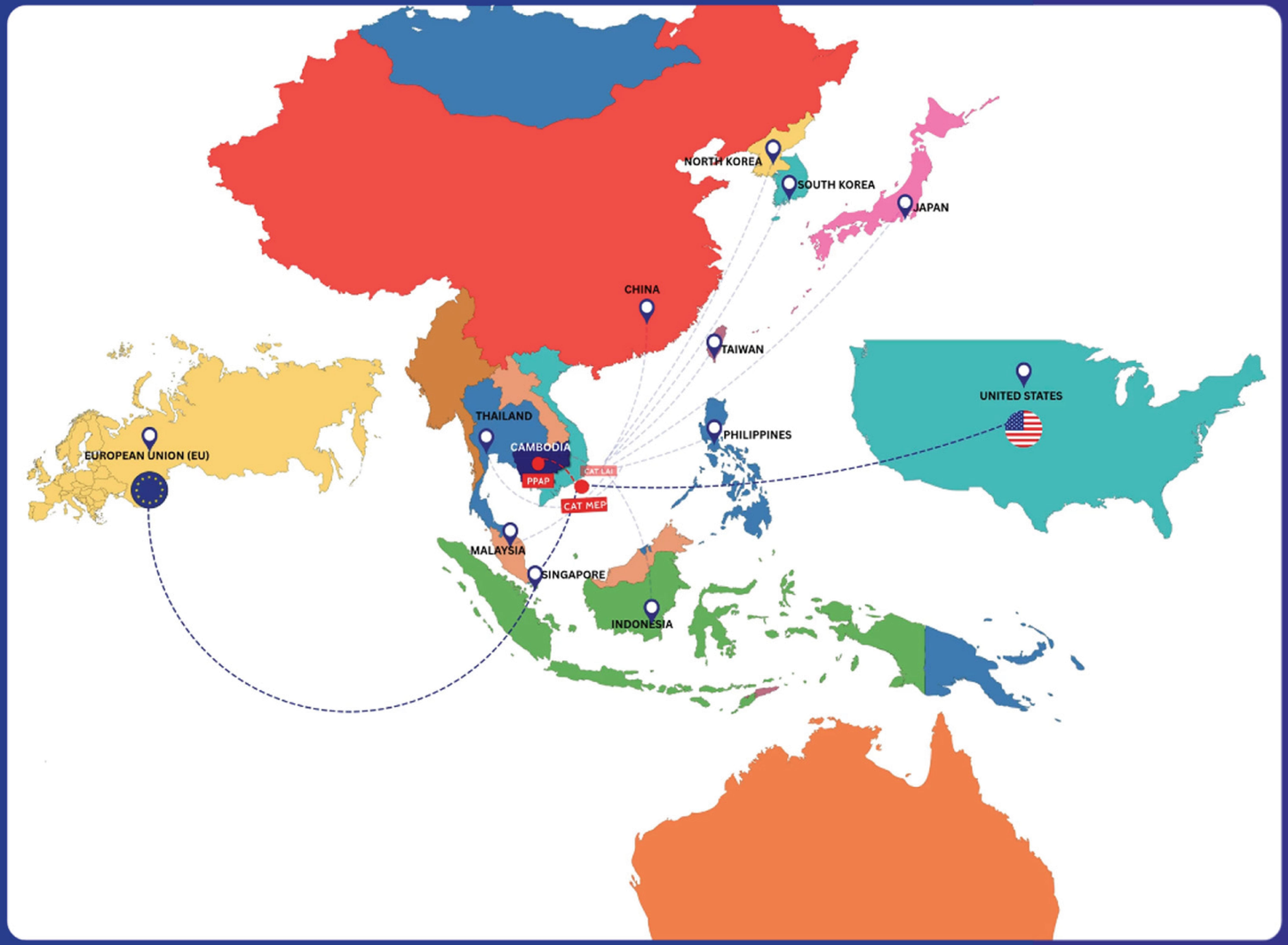
- Freedom of Inland water navigation between Cambodia and Vietnam.
- The **Regulated Waterways** of the **Tonle Sap**, **Mekong**, **Bassac**, and **Vam Nao rivers**, as well as **selected canals**, can be used by both Cambodian and Vietnamese vessels.
- The **Transit Routes** are destined for maritime traffic and can be used by all sea-going vessels under foreign flags.

Waterway


Tonle Sap
Tonle Sap River
Upper Mekong River
UM2
UM1
TS11
TS3
TS1
PHNOM PENH
LM17
LM26
Bassac River
NEAK LOEUNG BRIDGE
Lower Mekong River
VIETNAM
CAT LAI
PHUOC AN
CAI MEP
CHO GAO CANAL
180 km
FUNAN TECHO CANAL PROJECT
303 km
237 km
373 km
VAM NAO
CAN THO
CUE TIEU
SIHANOUKVILLE AUTONOMOUS PORT (PAS)
KAMPOT MULTIPURPOSE PORT
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

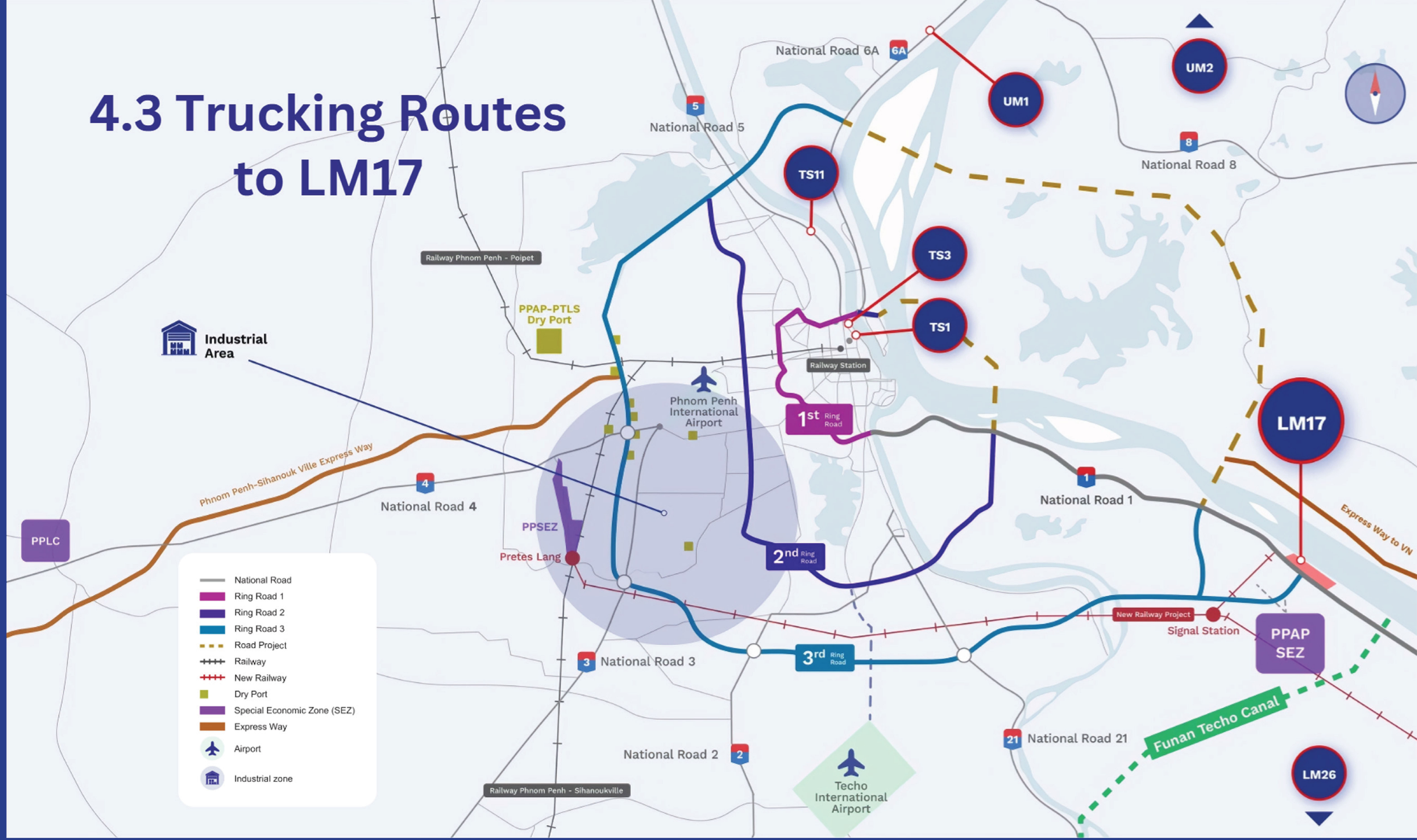
4.2 PPAP's Overview Connectivities

Cat Lai Port for intra-Asia

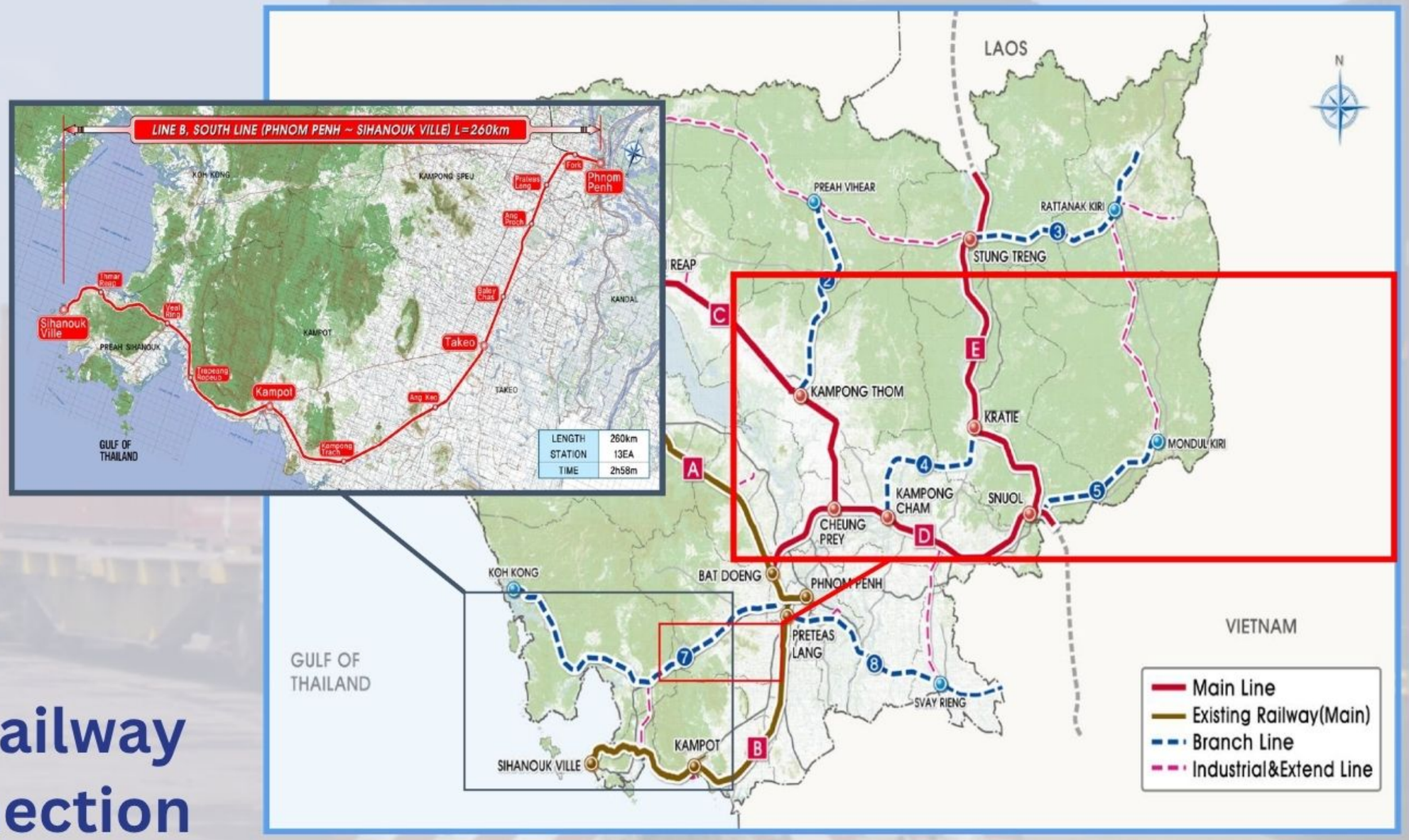


Cai Mep Hub Port for the United States and Europe

4.3 Trucking Routes to LM17



4.4 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	10 hectares	2020 - 2023	500,000 TEUs/year
Phase IV	9.5 hectares	2024 - 2027	1,200,000 TEUs/year

5.2 Development of Special Economic Zone (SEZ)

5.3 The Development of Dry Port

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

5.3 The Development of Dry Port

កំពង់ផែស្វយ័តភ្នំពេញ
PHNOM PENH AUTONOMOUS PORT

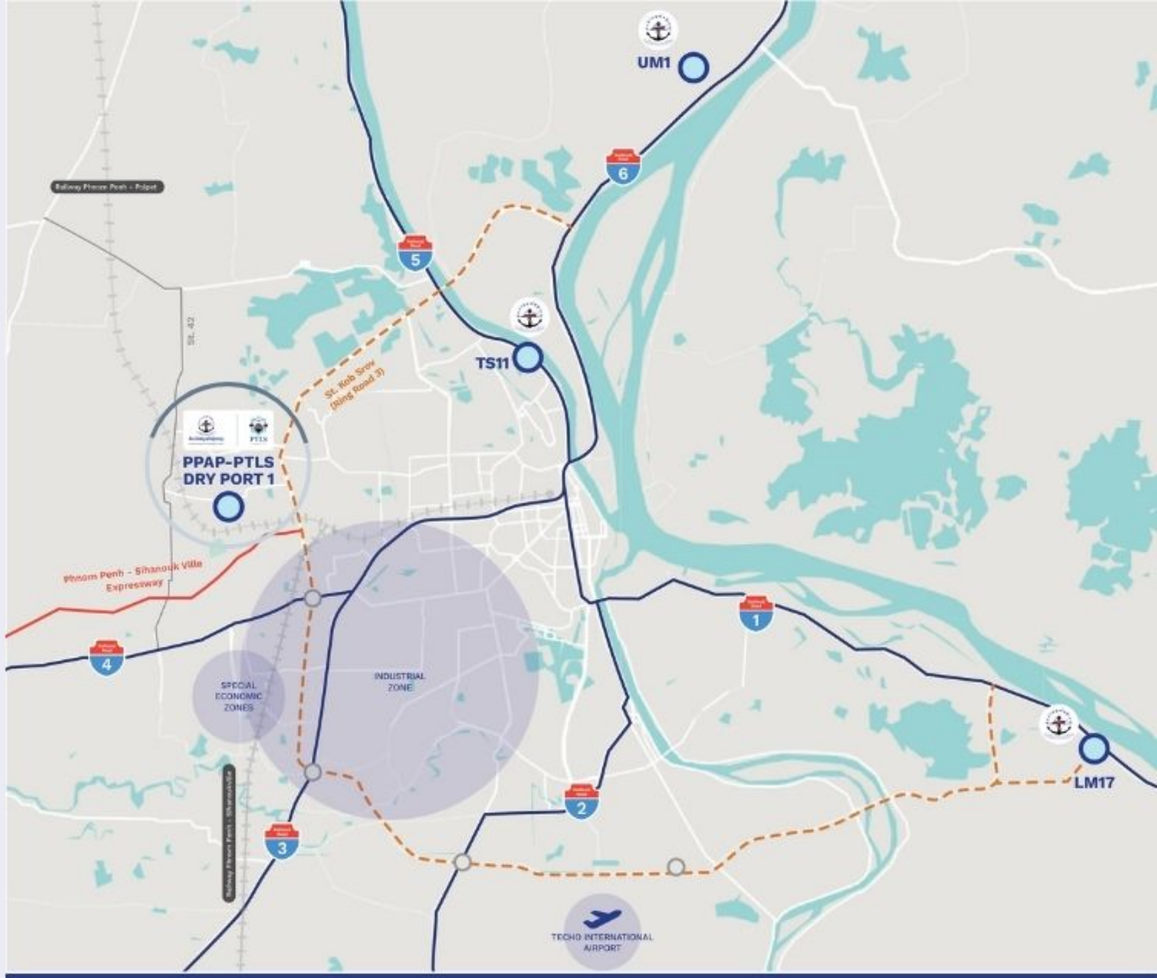
PTLS
Cooperation Co.,Ltd

PPAP & PTLS Dry Port 1

(Kob Srov)

- **Land Size:** 51,212 m²
- **Loading/Unloading:** 8 docks
- **Container Yard:** 19,485 m²
- **Gate In/Out:** 1 gate
- **Warehouse:** 4,158 m²
- **Container Vehicle Inspection System**

PPAP & PTLS Dry Port 1 → PPSEZ	≈ 5.5km
PPAP & PTLS Dry Port 1 → Tollgate - PP - PPSHV Expressway	≈ 7km
PPAP & PTLS Dry Port 1 → Teng Lay Dry Port	≈ 8km
PPAP & PTLS Dry Port 1 → Phnom Penh Industrial Area	≈ 12km
PPAP & PTLS Dry Port 1 → Ring Road 3	≈ 5km
PPAP & PTLS Dry Port 1 → Container Terminal LM17	≈ 58km



Capacity 50,000 TEUs/year

Scan for Location

Gate
Truck Scale
Lift-On Lift-Off
Container Yard
Warehouse Storage
Stuffing / Unstuffing

5.3 The Development of Dry Port

Svay Rieng Dry Port

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

. **Location:** Svay Rieng province on NR 1

. **Dry Port:** 59,625 m^2

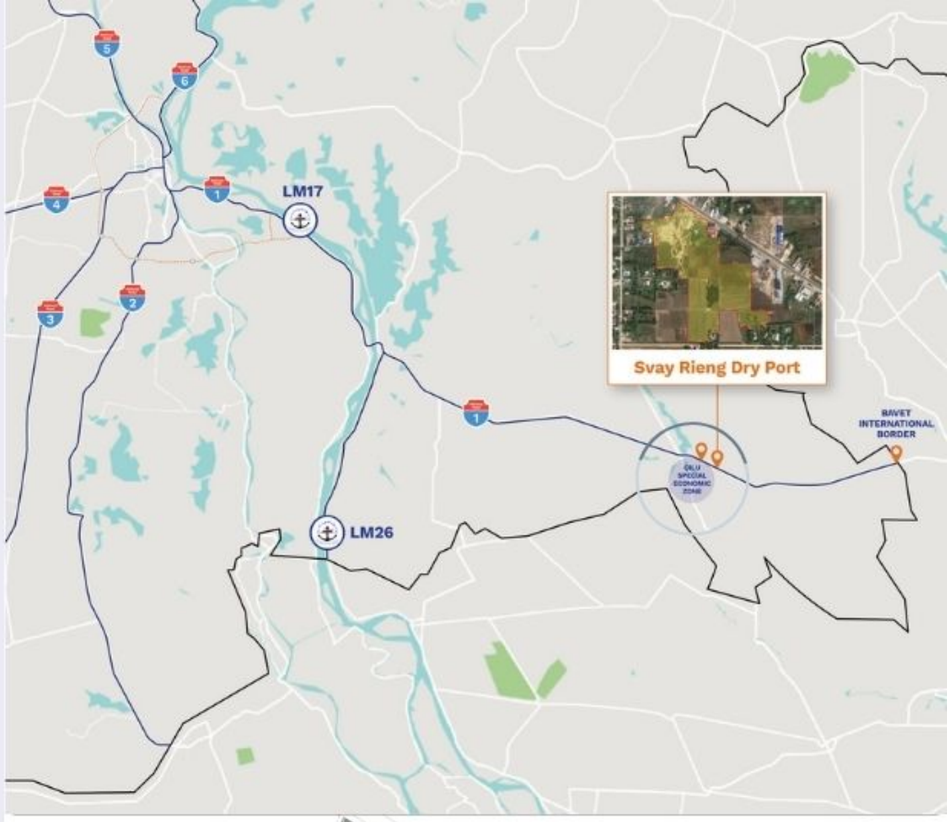
. **EV Charging support facility:** 7,660 m^2

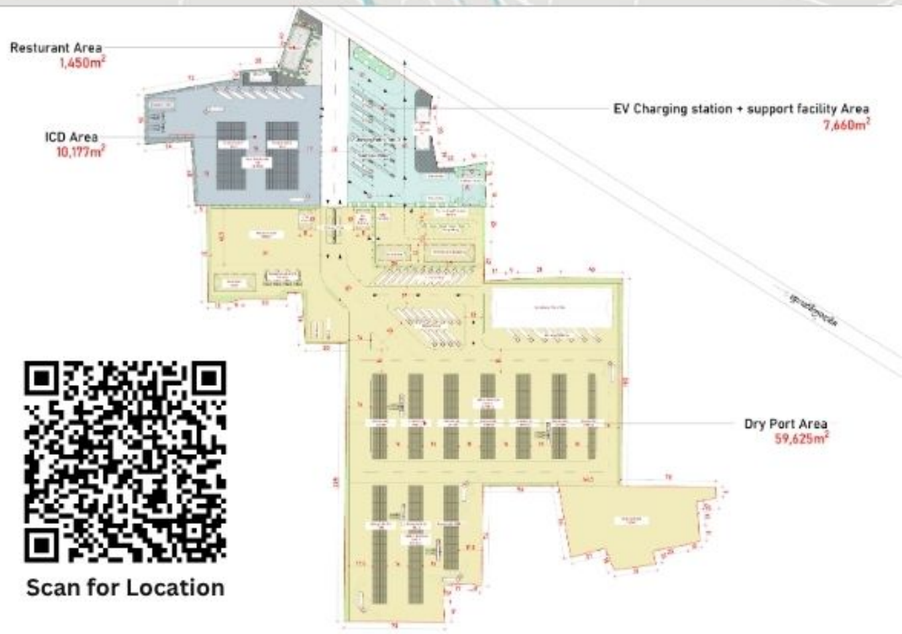
. **ICD:** 10,177 m^2

. **Restaurant:** 1,450 m^2

. **Total Land:** 78,912 m^2

Svay Rieng Dry Port → Sailun Factory	**≈ 9km**
Svay Rieng Dry Port → QiLu Special Economic Zone	**≈ 5km**
Svay Rieng Dry Port → Container Terminal LM17	**≈ 105km**
Svay Rieng Dry Port → Sub-feeder Multipurpose Terminal LM26	**≈ 113km**
Svay Rieng Dry Port → Bavet Border Check Point	**≈ 33km**





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

Operating Terminal & Developing Terminal Locations

TERMINAL LM17, Kandal Province

TERMINAL TS3, Phnom Penh

TERMINAL TS1, Phnom Penh

TERMINAL UM2, Tboung Khmum Province

TERMINAL TS11, Phnom Penh

TERMINAL LM26, Prey Veng Province

TERMINAL UM1, Kandal Province

New Locations of the Port Development Plan

PREK KDAM TERMINAL, Kandal Province

KOMPONG LEAENG TERMINAL, Kampong Chhnang Province

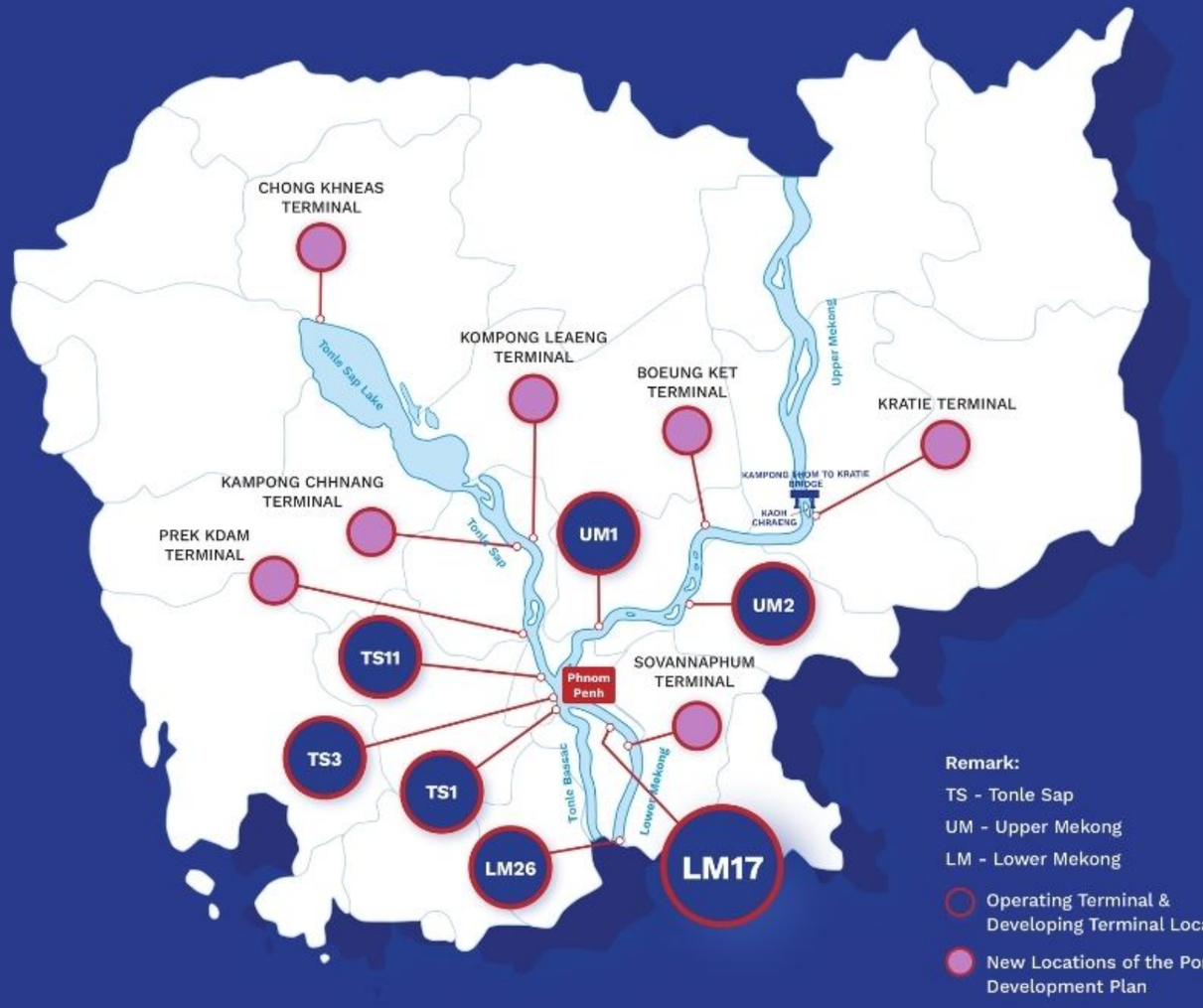
KAMPONG CHHNANG TERMINAL, Kampong Chhnang Province

CHONG KHNEAS TERMINAL, Siem Reap Province

SOVANNAPHUM TERMINAL, Kandal Province

BOEUNG KET TERMINAL, Kampong Cham Province

KRATIE TERMINAL, Kratie Province



5.5 The Development of Rice Processing Facility

In order to help boost the export performance of Cambodian rice, a rice processing facility will be developed near Container Terminal LM17. This project is part of the Ministry of Commerce’s project, led by the Green Trade Company.

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

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