

PHNOM PENH AUTONOMOUS PORT



Container Terminal LM17





CONTENT



PPAP at a Glance



Statistics of Cargoes



Business Activities



Transportation Connectivity

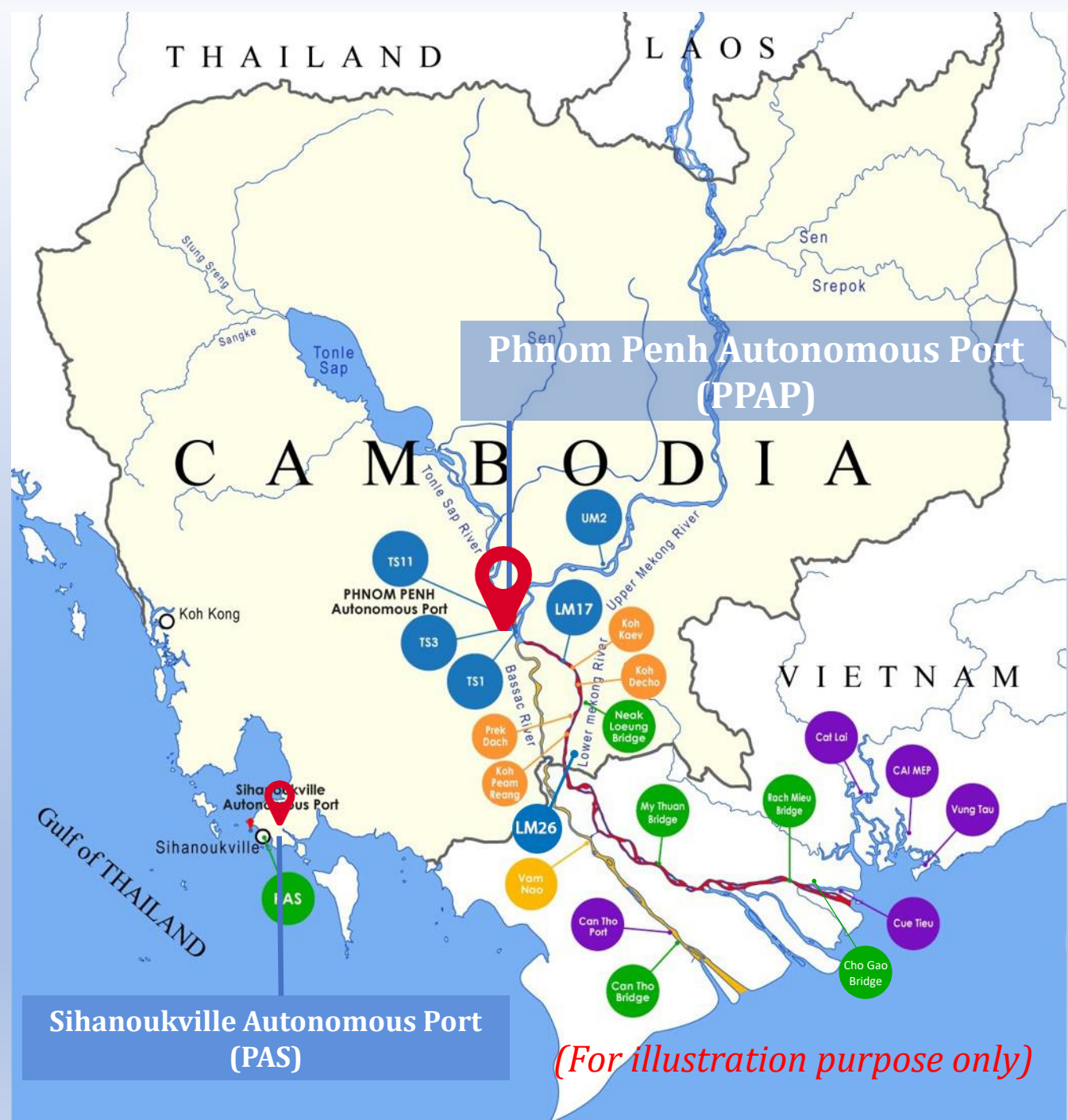


Development Plans





កំពង់ផែស្វយ័តស្តីពេញ “ក.ស.ត.”
Phnom Penh Autonomous Port “PPAP”



➤ Background

1905

**The beginning of
Phnom Penh Port**

In Phnom Penh City



2002

**The Start of
Container Handling Operation**

In Phnom Penh City



2013

**The Start of
Container Terminal Expansion
And Development**

**Started the construction in 2011
in Kandal Province**



2015

Became the Listed Company

Initiated in 2014

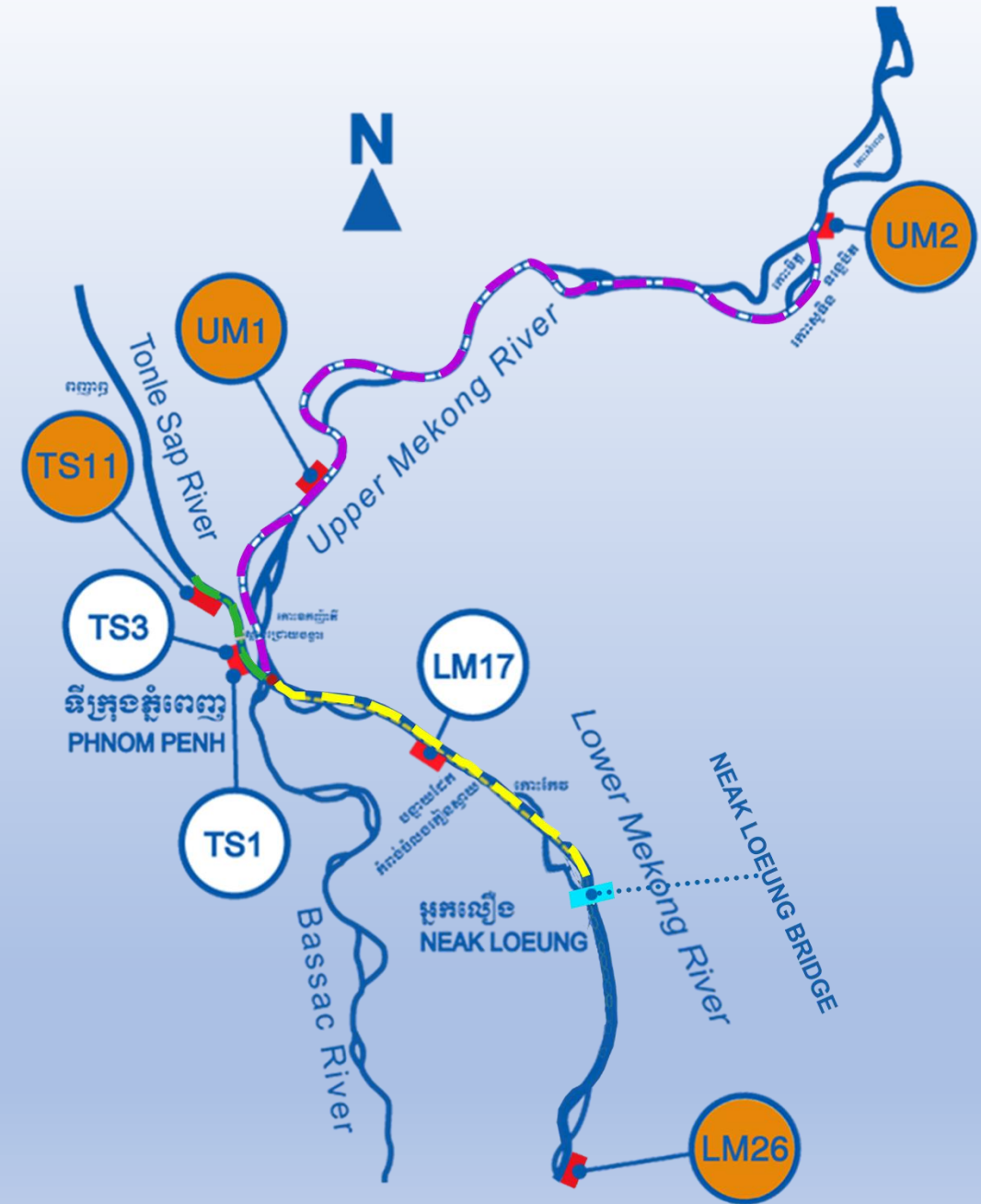


Port Commercial Zone 166Km

- Zone 1: Tonle Sap and Bassac - 6Km
- Zone 2: Upper Mekong River - 100Km
- Zone 3: Lower Mekong River - 60Km

Note:

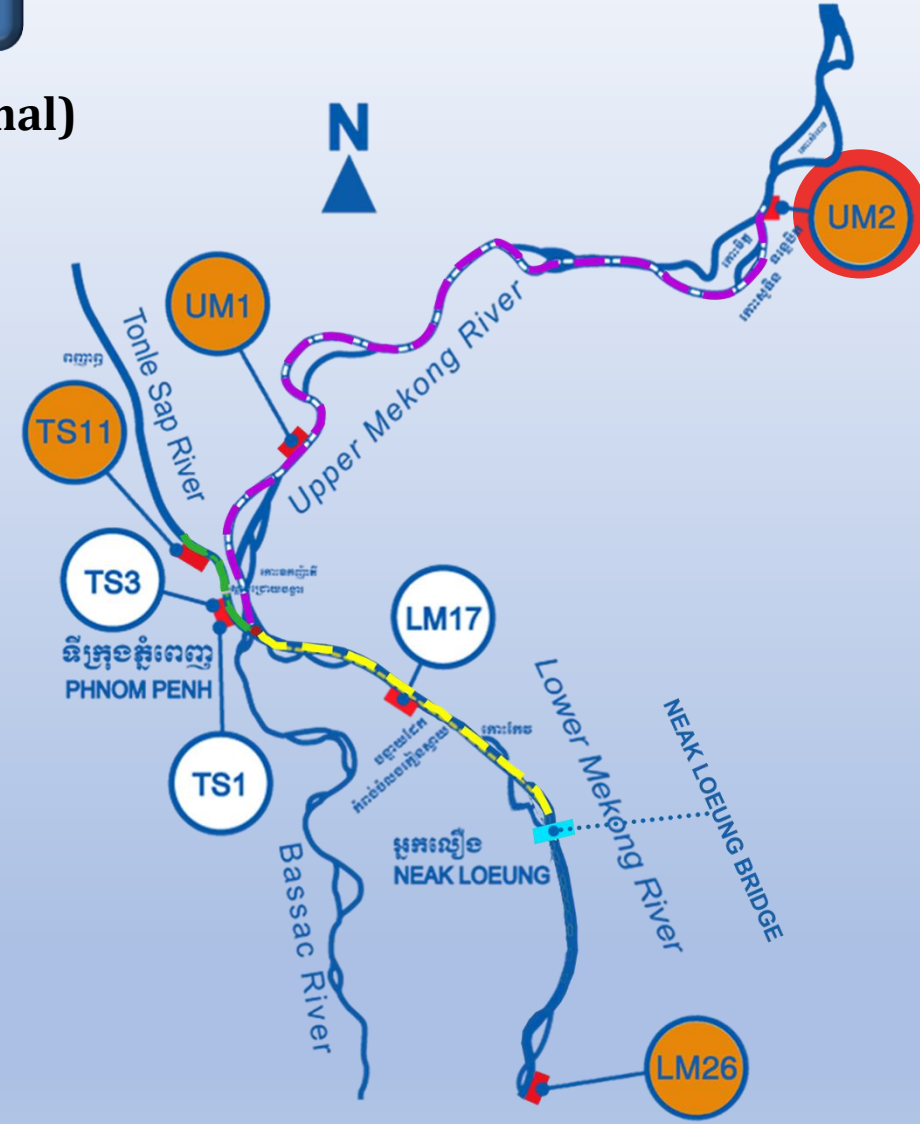
- TS - Tonle Sap
- UM - Upper Mekong
- LM - Lower Mekong



(For illustration purpose only)

➤ Sub-feeder Multipurpose Terminal (UM2)

- Land Size : 24ha (7 hectares operational)
- Jetty : 12 x 46.9m
- Berth : 1 Berth
- River Depth : 4.5m
- Crane Productivity (FCC) : 15-20 MPH
- Port Capacity : 70,000 TEUs/year
- Barge Capacity : 2,000-3,000 Tons
- Reefer Plug : 36 plugs
- Navigation Btw UM2 and LM17 : 8-11h
- Distance Btw UM2 and LM17 : 127km
- Warehouse : 40x150m



(For illustration purpose only)



BEFORE



NOW

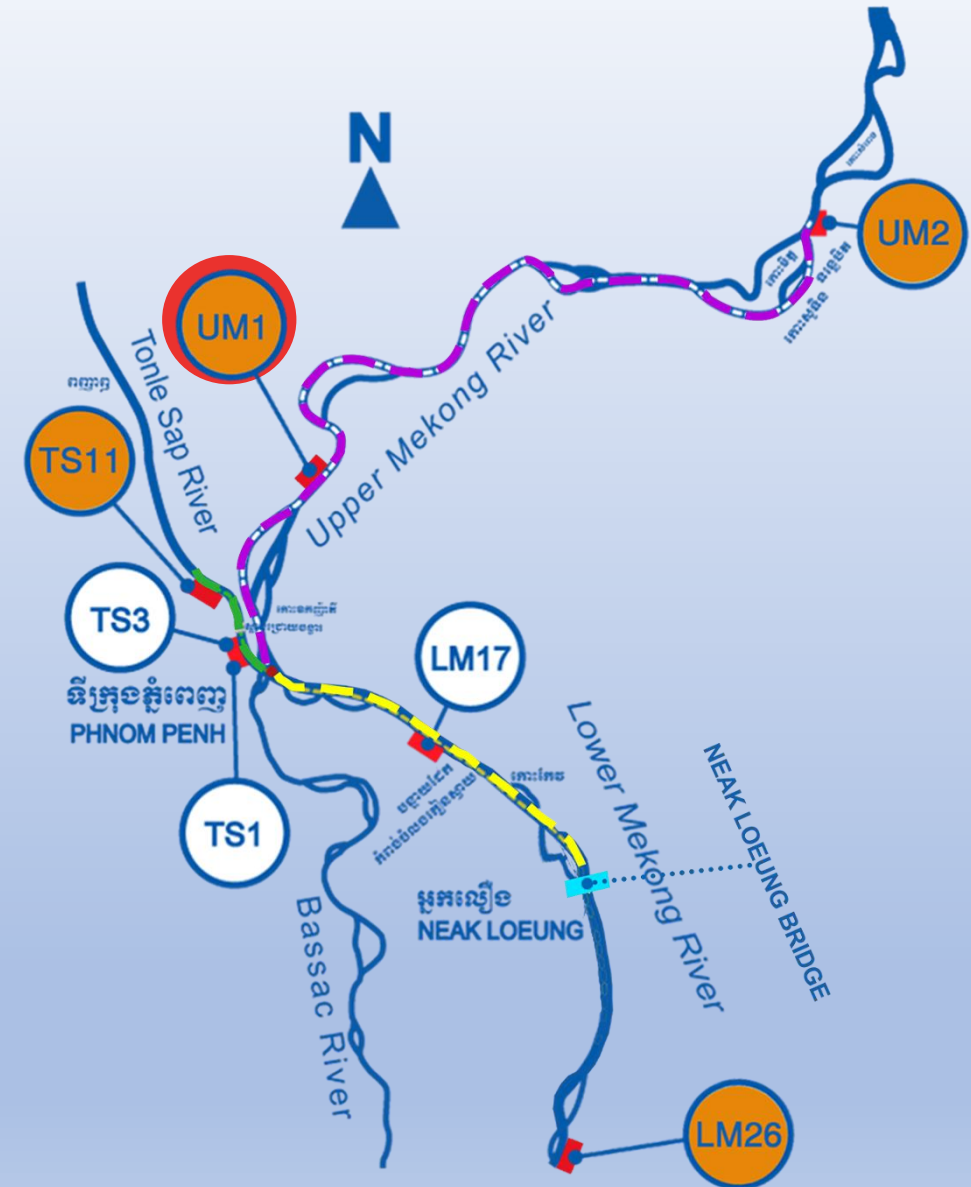


FUTURE



➤ Sub-feeder Multipurpose Terminal (UM1)

➤ Land Size	: 4 hectares
➤ Jetty	: 16 x 88m
➤ Berth	: 1 Berth
➤ River Depth	: 4.5m
➤ Crane Productivity (FCC)	: 15-20 MPH
➤ Port Capacity	: 60,000 TEUs/year
➤ Barge Capacity	: 2,000-2,500 Tons
➤ Reefer Plug	: 36 plugs
➤ Navigation Btw UM1 and LM17	: 6-7h
➤ Distance Btw UM1 and LM17	: 55km
➤ Warehouse	: 30x130m



(For illustration purpose only)

NOW

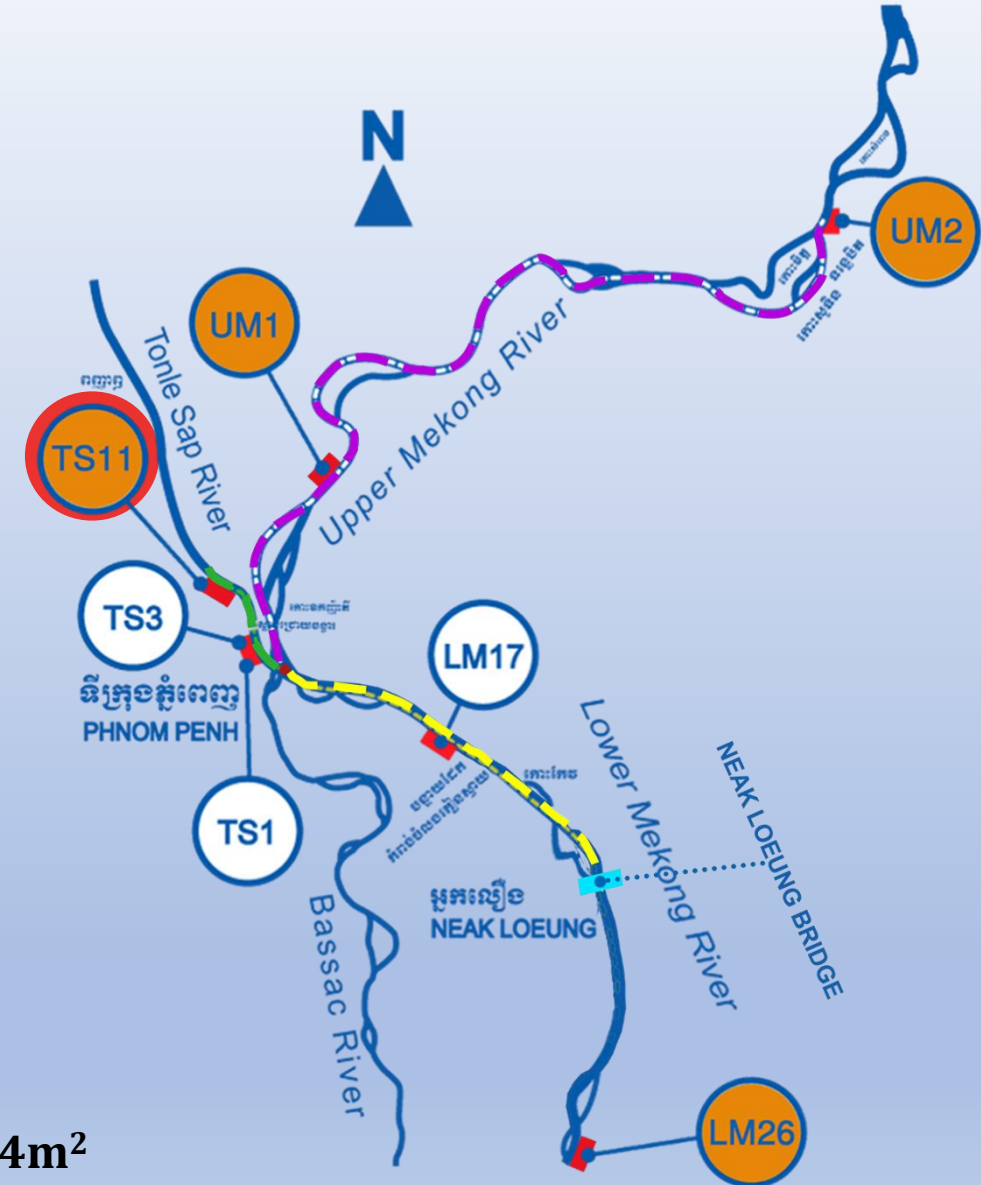


FUTURE



➤ Sub-feeder Multipurpose Terminal (TS11)

➤ Land Size	: 4 hectares
➤ Jetty	: 12 x 60m
➤ Berth	: 1 Berth
➤ River Depth	: 4.5m
➤ Crane Productivity (FCC)	: 15-20 MPH
➤ Port Capacity	: 60,000 TEUs/year
➤ Barge Capacity	: 2,000-2,500 Tons
➤ Reefer Plug	: 36 plugs
➤ Navigation Btw TS11 and LM17	: 5-6h
➤ Distance Btw TS11 and LM17	: 34km
➤ 2 Warehouses	#1: 1,848m ² & #2: 2,854m ²



(For illustration purpose only)



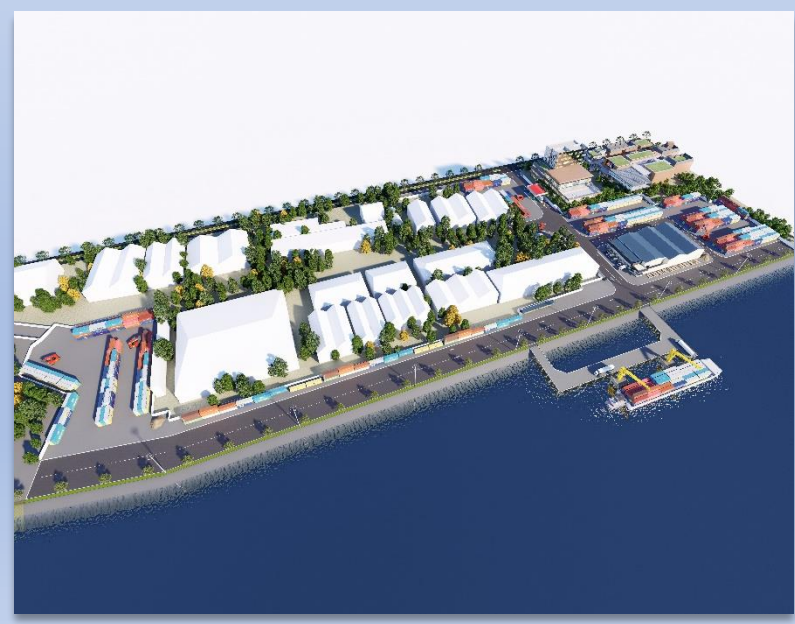
BEFORE



NOW



FUTURE



➤ Multipurpose Terminal TS3

- Land Size : 8.6 hectares
- Jetty : 20 x 300m
- Berth : 5 Berths
- River Depth : 4.5m
- Navigation : TS3 and Ports in VN : 12- 15 hr
- Distance : TS3 and Ports in VN : 245km



(For illustration purpose only)

➤ Multipurpose Terminal TS3

BEFORE

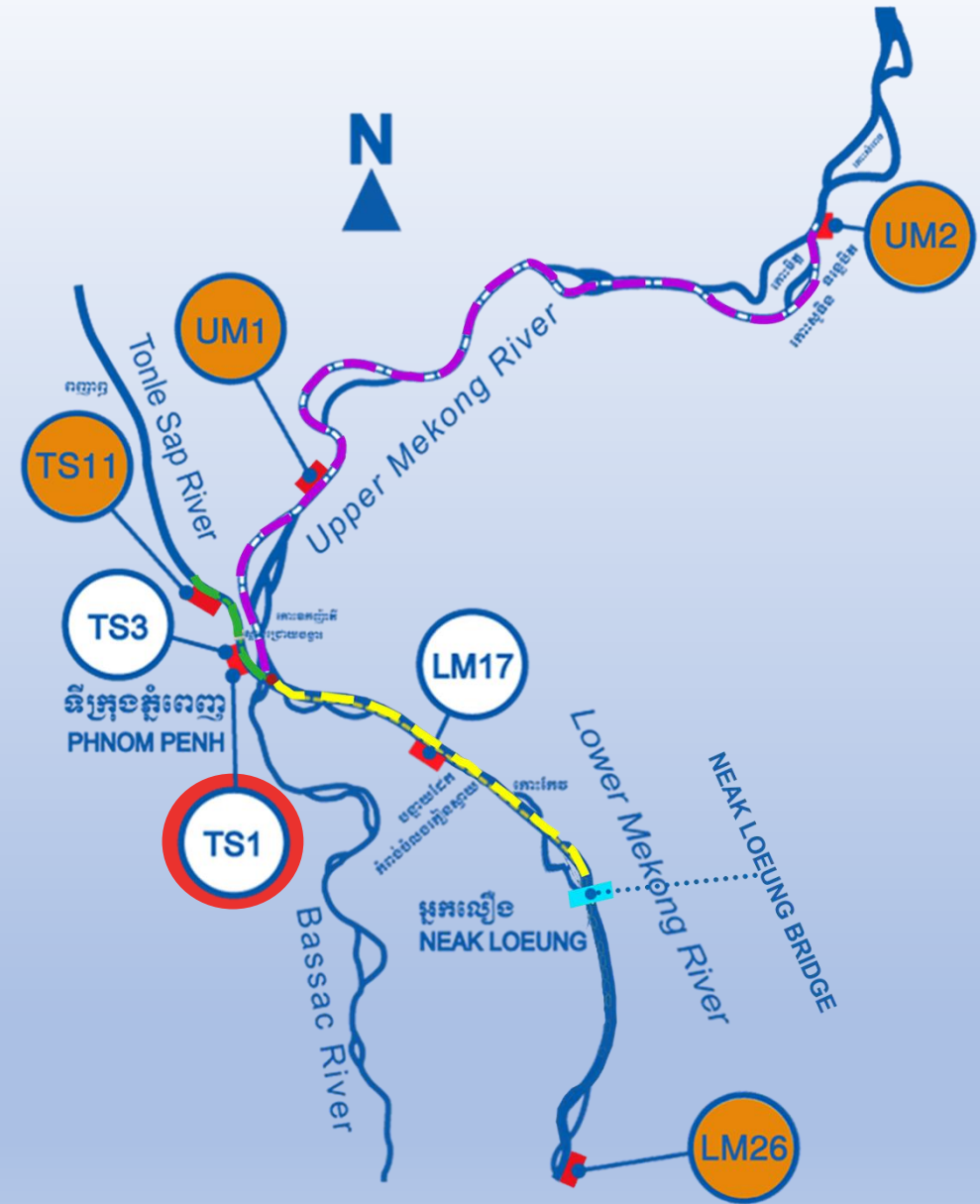


NOW



➤ Passenger and Tourist Terminal TS1

- **Land Size** : 0.6637 hectares
- **Pontoons** : 30 x 12m
45 x 15 m
- **Berth** : 2 Berths
- **River Depth** : 4.5m
- **Navigation : TS3 and Ports in VN** : 12- 15 hr
- **Distance : TS3 and Ports in VN** : 245km



(For illustration purpose only)

➤ Passenger and Tourist Terminal TS1

BEFORE

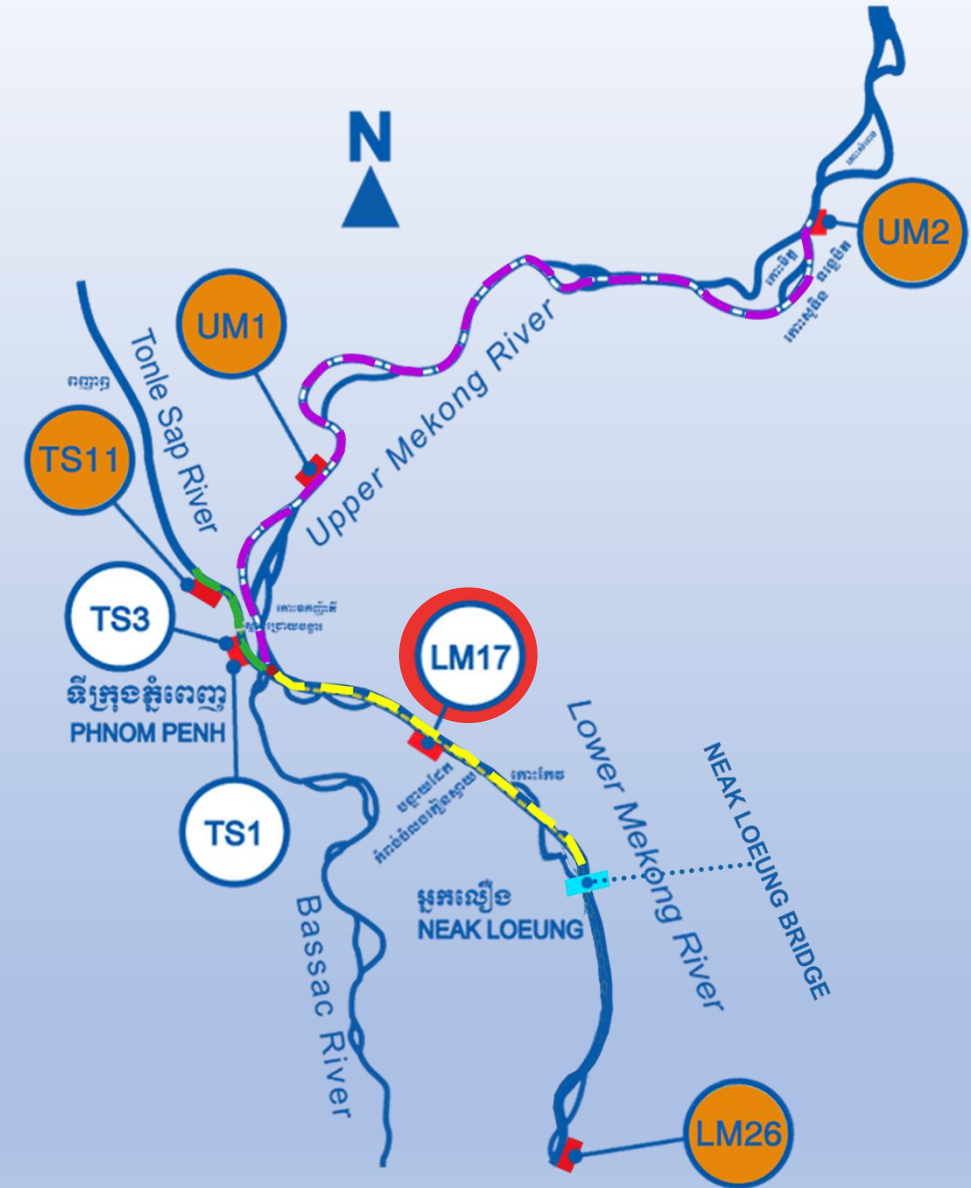


NOW



➤ Container Terminal LM17

- Land Size : 40 hectares
- Jetties : 22 x 300m = 1
12 x 149m = 1
16 x 149m = 1
- Berth : 9 Berths
- River Depth : 4.5m
- Crane Productivity (TCC/FCC) : 25 MPH
- Port Capacity : 500,000 TEUs/year
- Barge Capacity : 3,000-4,000 Tons
- Reefer Plug : 256 plugs
- Navigation : LM17 and Ports in VN : 28-35h
- Distance : LM17 and Ports in VN : 370 - 445 Km
- Custom Warehouse : 24.4x60m



(For illustration purpose only)



2027

2022

2021

2018

2013



400,000 TEUs



900,000 TEUs



500,000 TEUs



300,000 TEUs



150,000 TEUs



➤ Land Size

: 24.4m x 60m

➤ Warehouse Size

: 1,510 sqm

Custom Warehouse at Container Terminal LM17



(For illustration purpose only)



- Cold Storage : 1,000 sqm
- Pre-cool areas : 3 areas
- Temperature zone : - 22° to 15°
- Docks : 8 docks

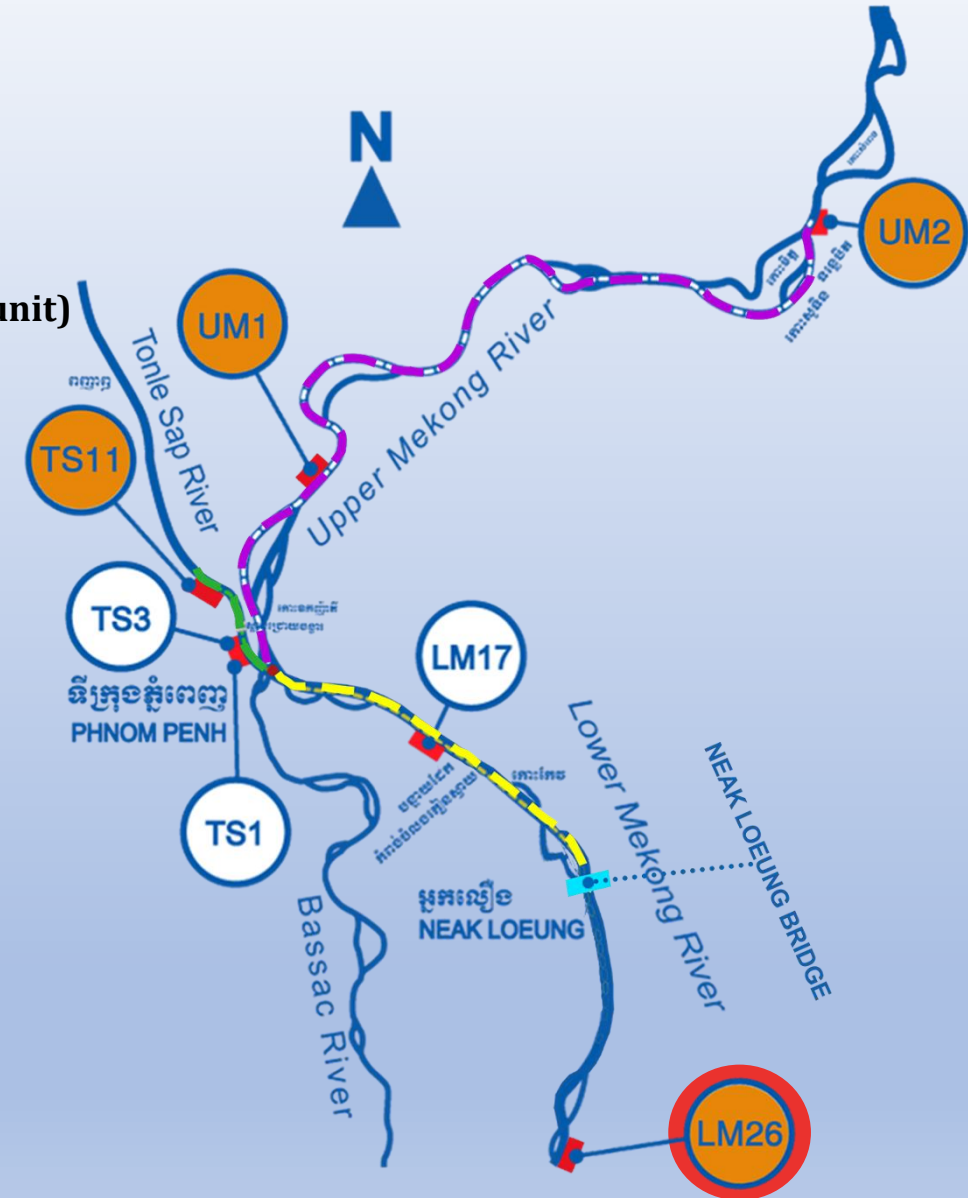
Cross-Docking and Cold Storage Facility at Container Terminal LM17



(For illustration purpose only)

➤ Sub-feeder Multipurpose Terminal LM26

- Land Size : 20 hectares
- Pontoon : floating pier length 45m (1 unit)
- Conveyer : 8 units
- Location : Cambodia-Vietnam International Border Gate (Thuong Phuoc – Koh Roka)
- Berth : 2 Berths
- River Depth : 4.5m -5.5m
- Crane Productivity (Crawler Crane 100T) : 10-15 MPH
- Weighing station : 2 stations
- Navigation : LM26 and Ports in VN : 22-30h
- Distance : LM26 and Ports in VN : 300 - 375 Km
- Warehouse (Development Plan) : 30x50m



(For illustration purpose only)



BEFORE



NOW



FUTURE



គម្រោងសាងសង់ផ្លូវជាតិលេខ៧



CONTENT

 **PPAP at a Glance**

 **Statistics of Cargoes**

 **Business Activities**

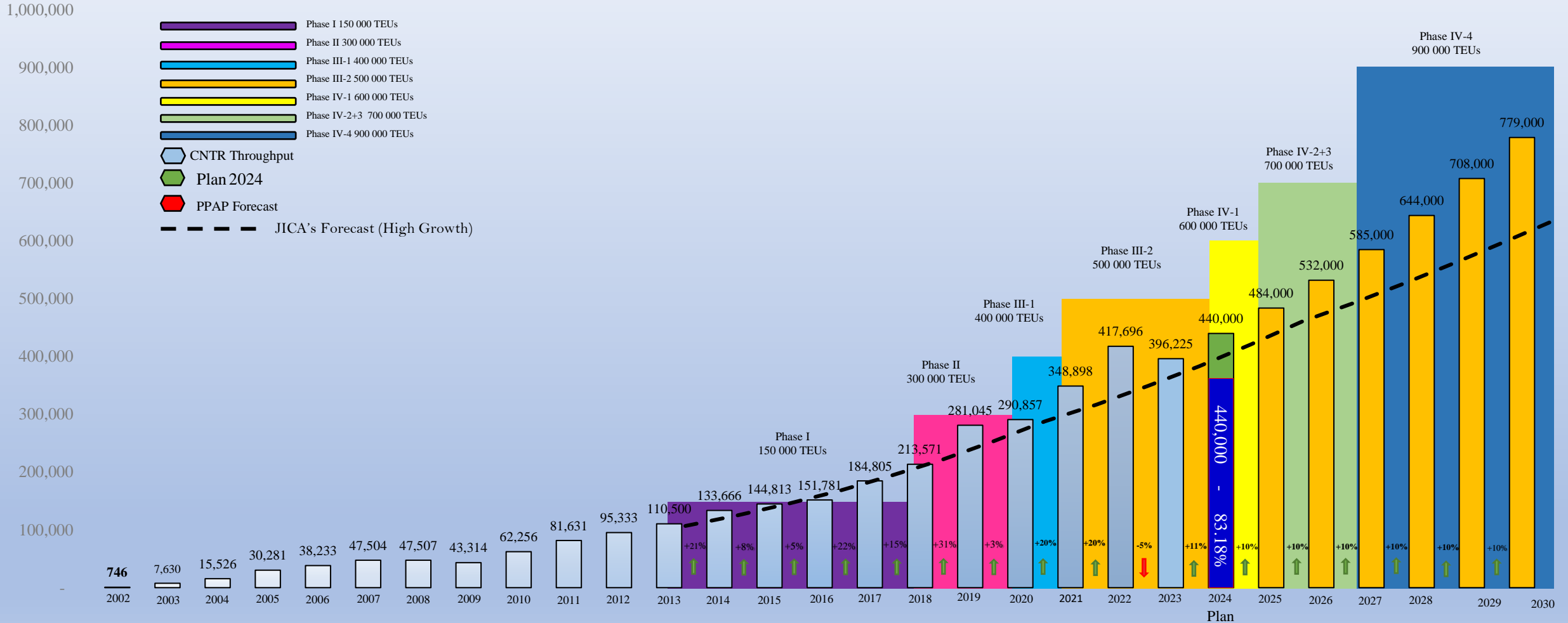
 **Transportation Connectivity**

 **Development Plans**



Container Throughput via PPAP between 2002-2023 and 2024 Plan

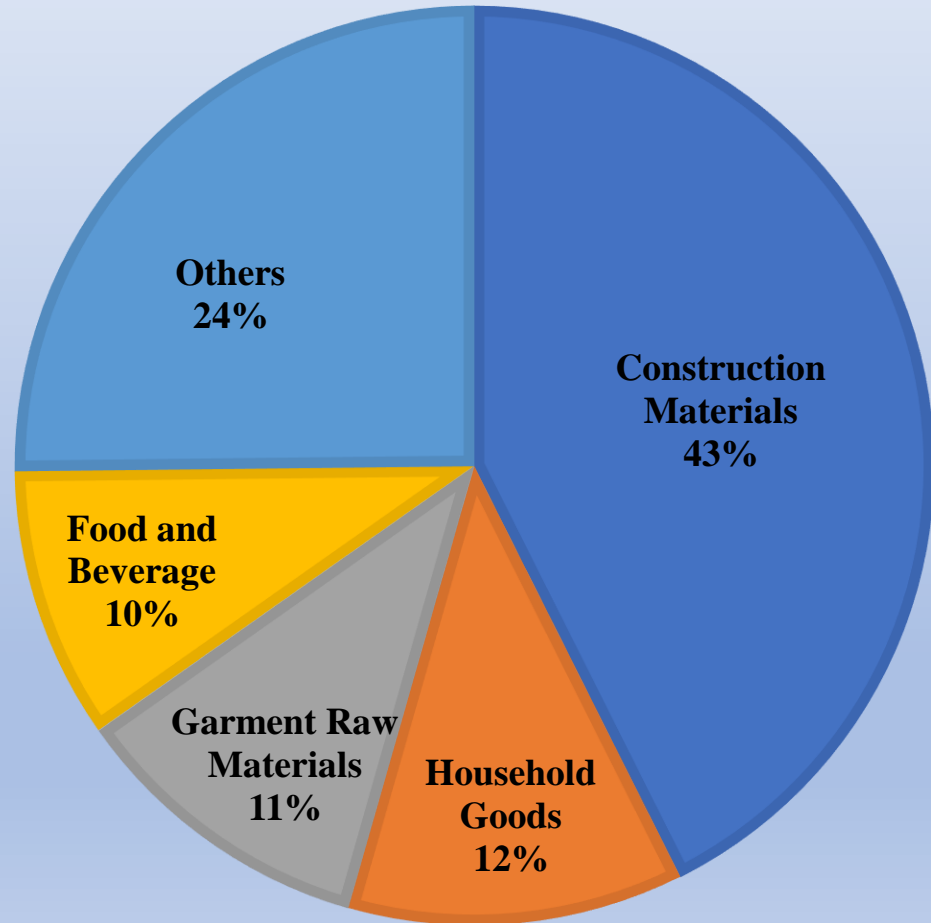
JICA's Forecast of High-Growth Containers & the Total Port Capacity of Container Terminal LM17



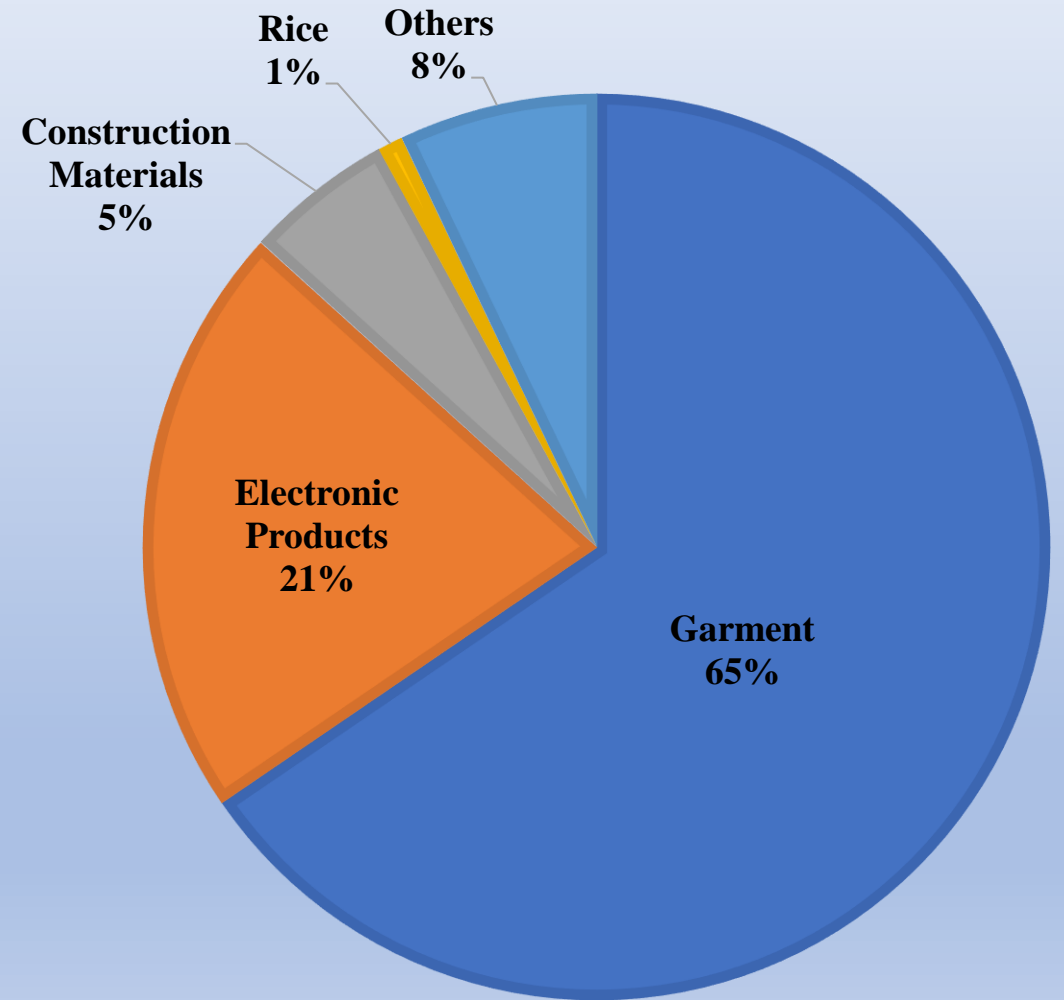
- The Container Throughput in 2023 is 396,225 TEUs
- The Container throughput in 2023 (396,225 TEUs), is decrease of 5% compared to 2022 (417,696 TEUs)
- Compared to the planned container throughput for 2023 (396,225 TEUs), PPAP has achieved 85% of the plan (440,000 TEUs)

➤ **Cargoes in 2023 (TEUs)**

Import

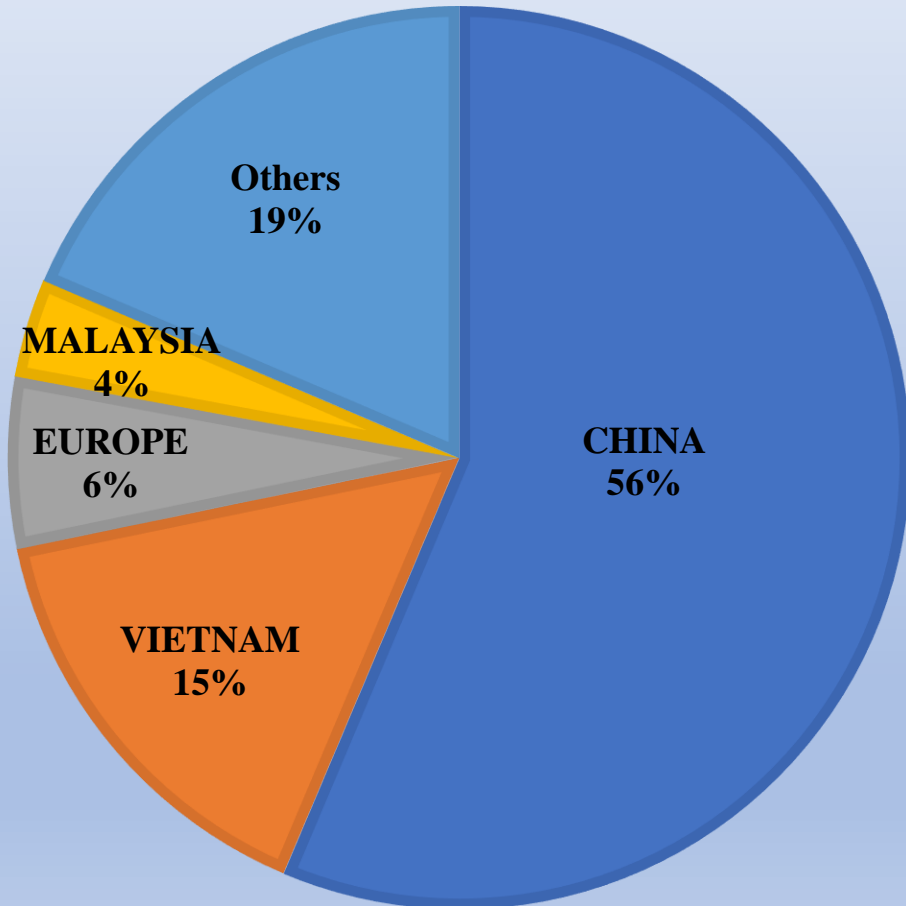


Export

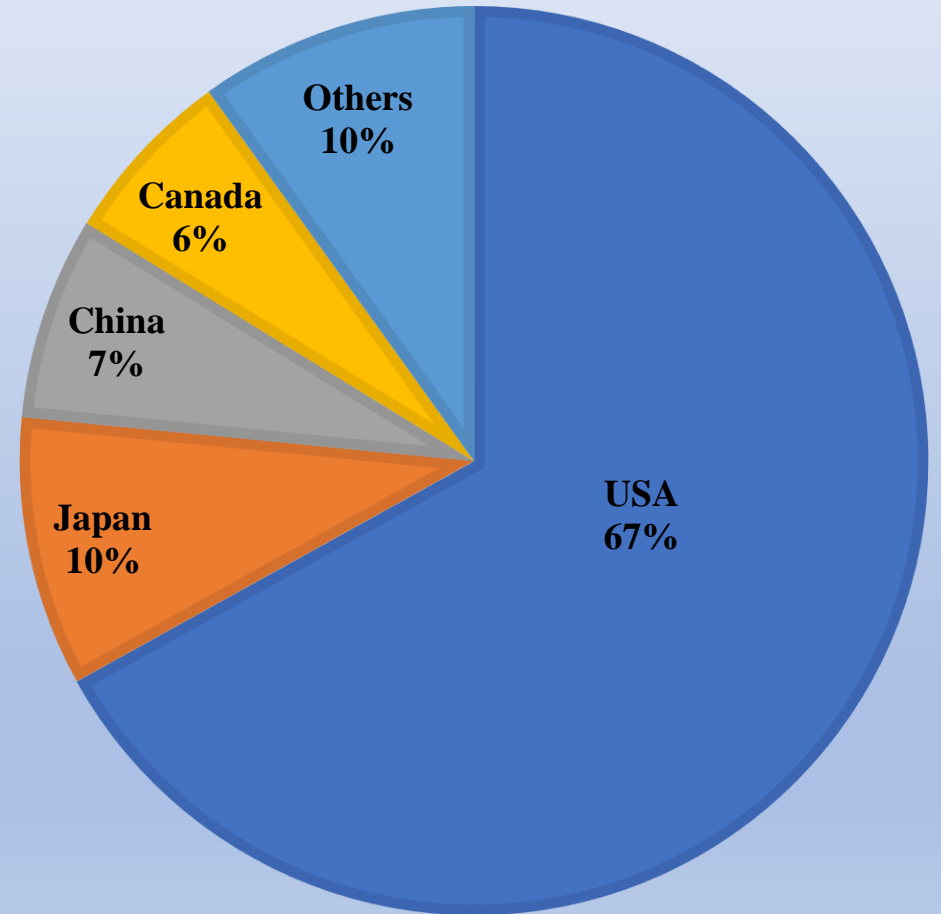


➤ **Market Shares by Countries in 2023**

Import

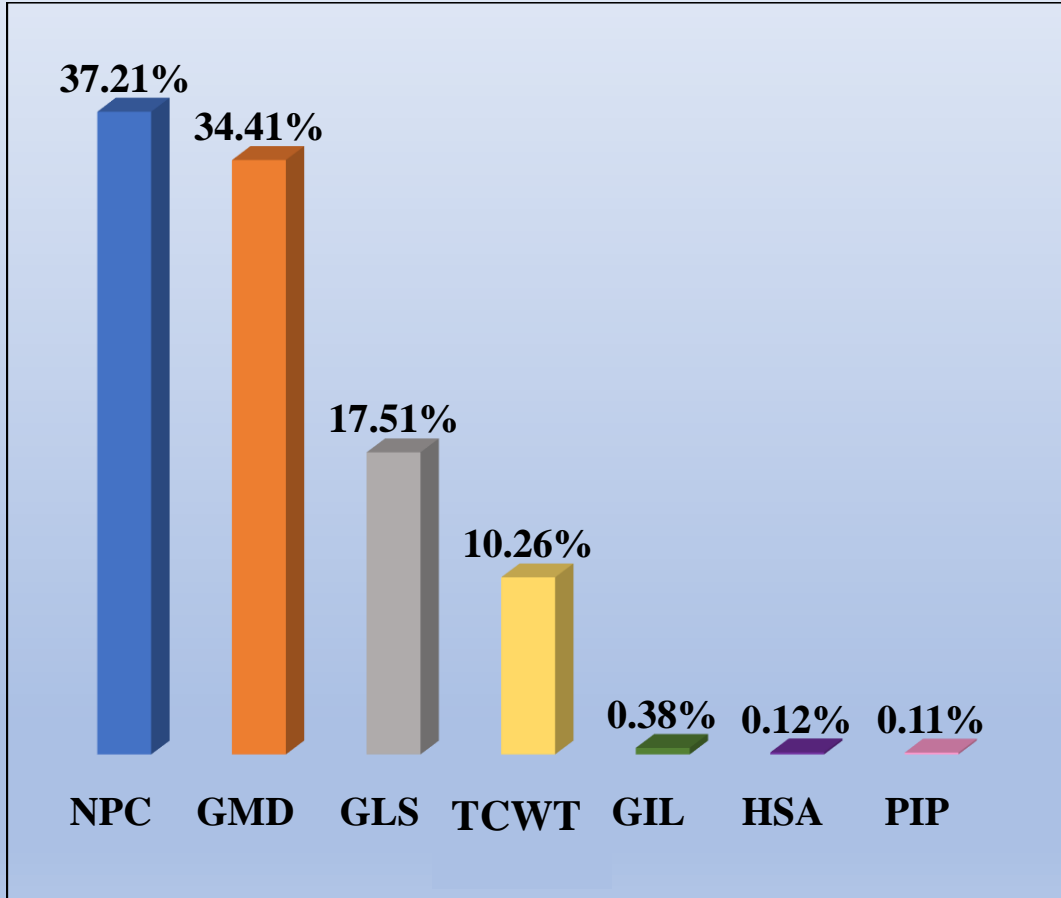


Export

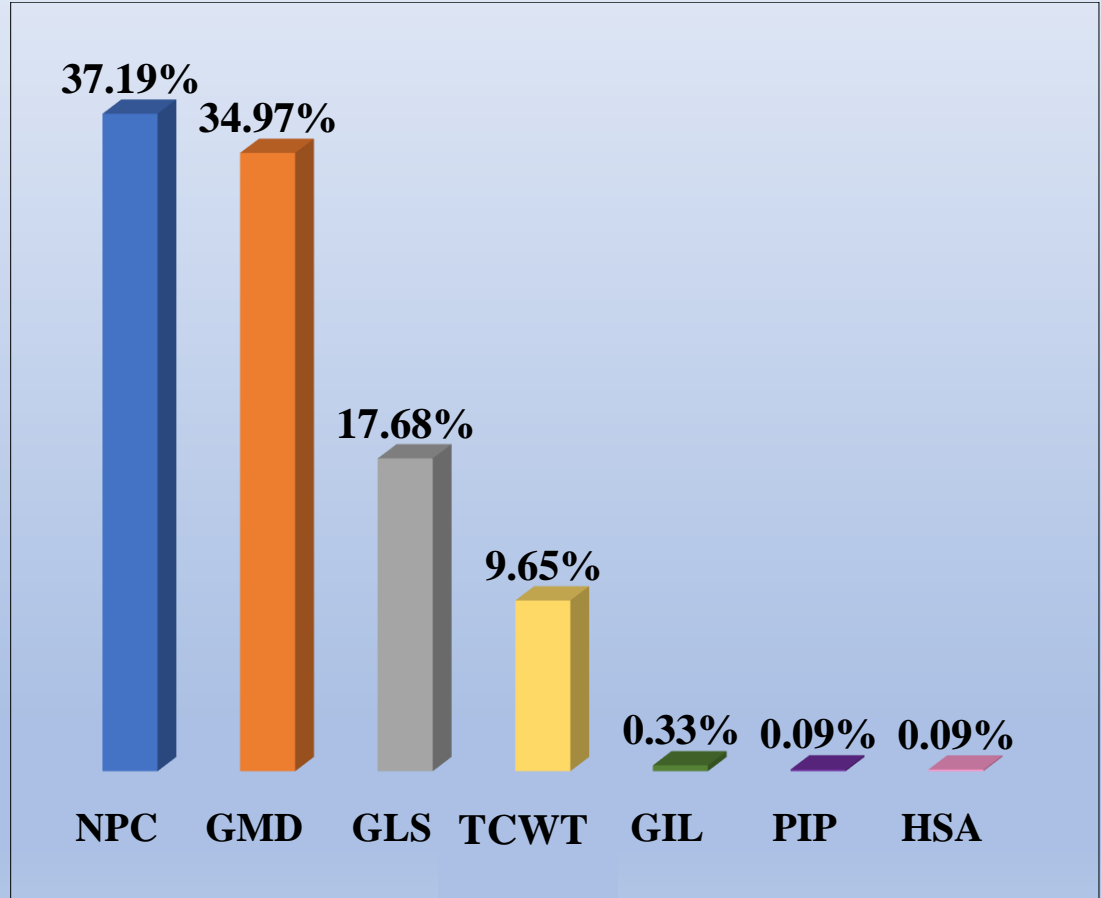


➤ Barge Operators in 2023 (TEUs)

Import

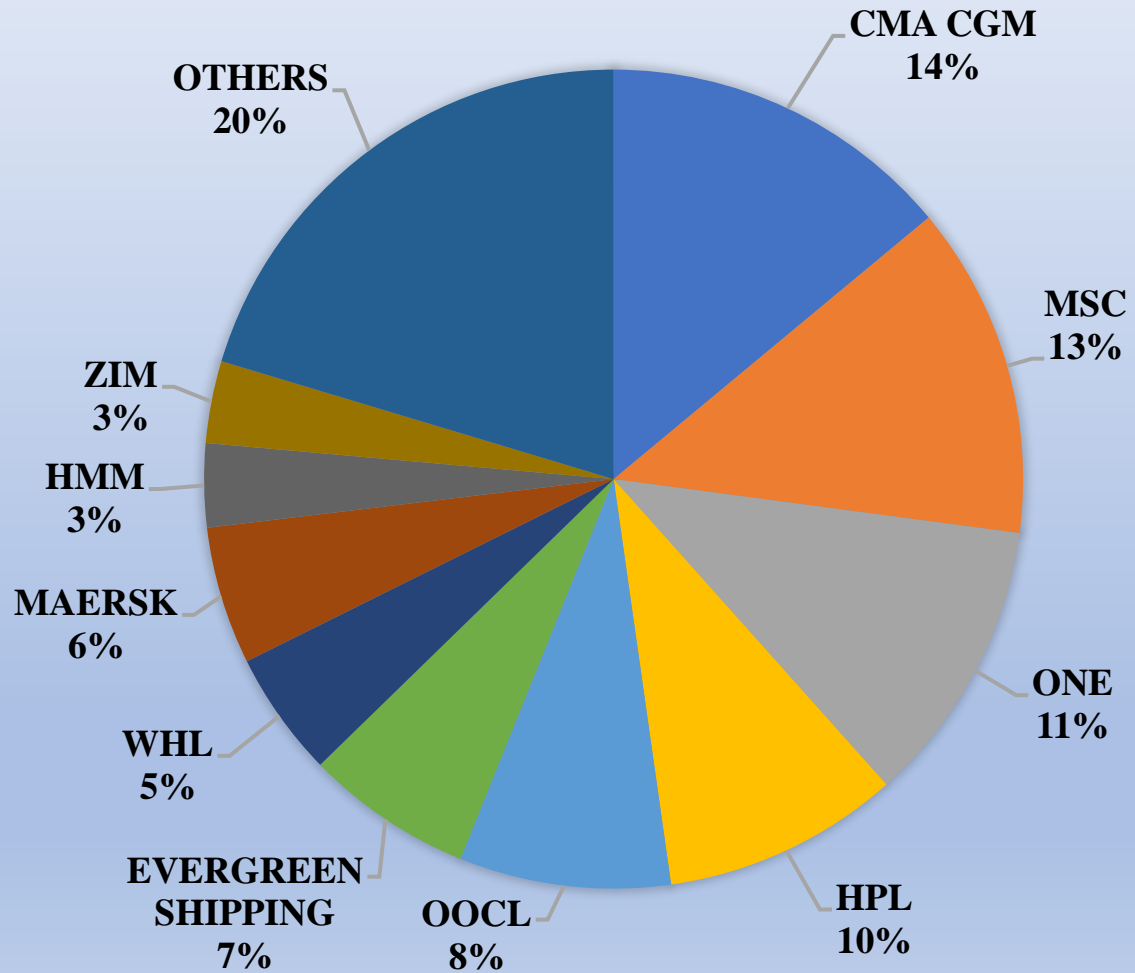


Export

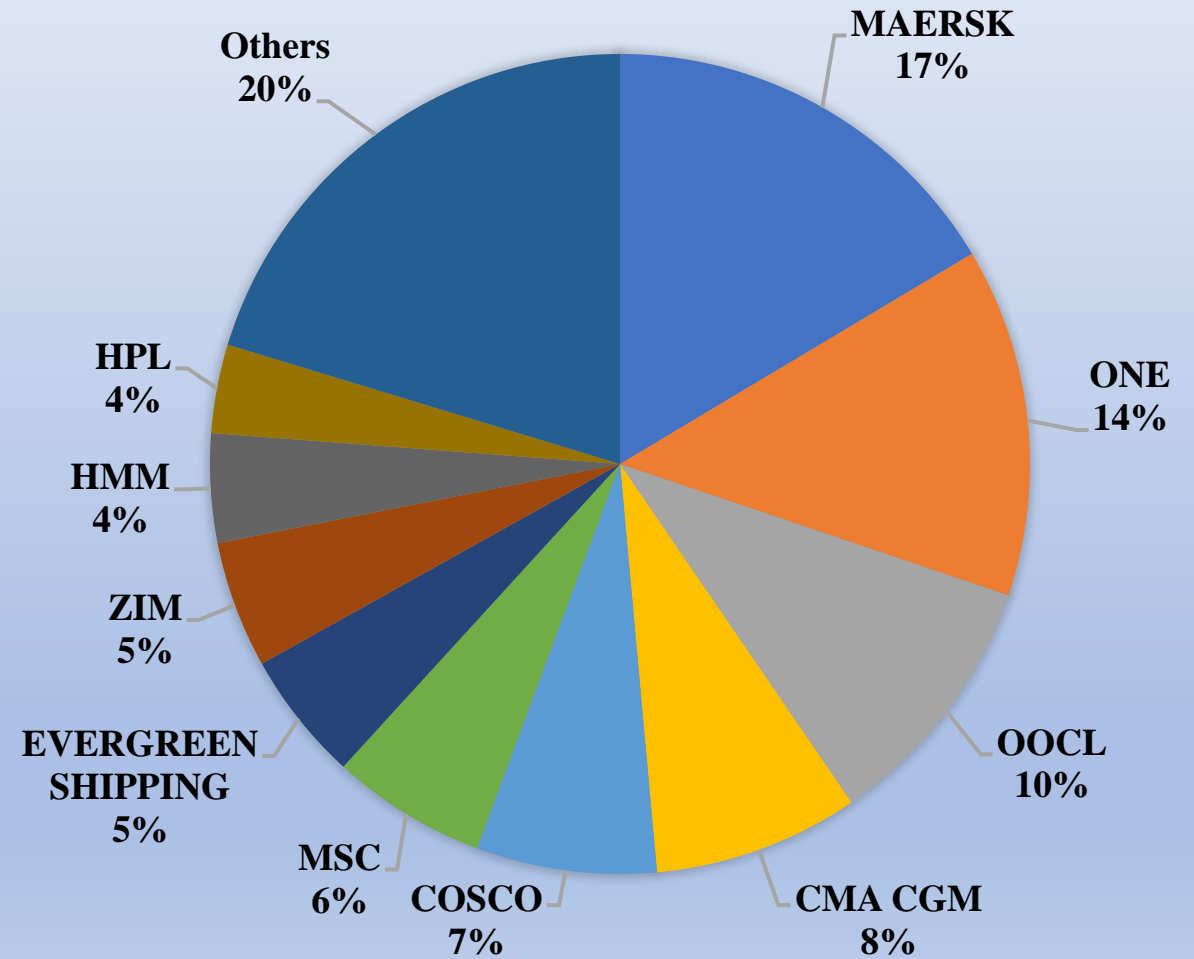


Shipping Lines in 2023

Import



Export





CONTENT



PPAP at a Glance



Statistics of Cargoes



Business Activities



Transportation Connectivity



Development Plans





Business Activities

Port Authority

Pilotage

Tugboat

Dredging

Mooring/Unmooring

Berthing

Shifting

Port Operator

Stevedoring

Lift on/off

Stuffing/Unstuffing

Warehousing

ICD

Reefer

Logistics

Trucking

Customs Clearance

Ocean Freight

Logistics Solution

Documentation

Project Cargoes



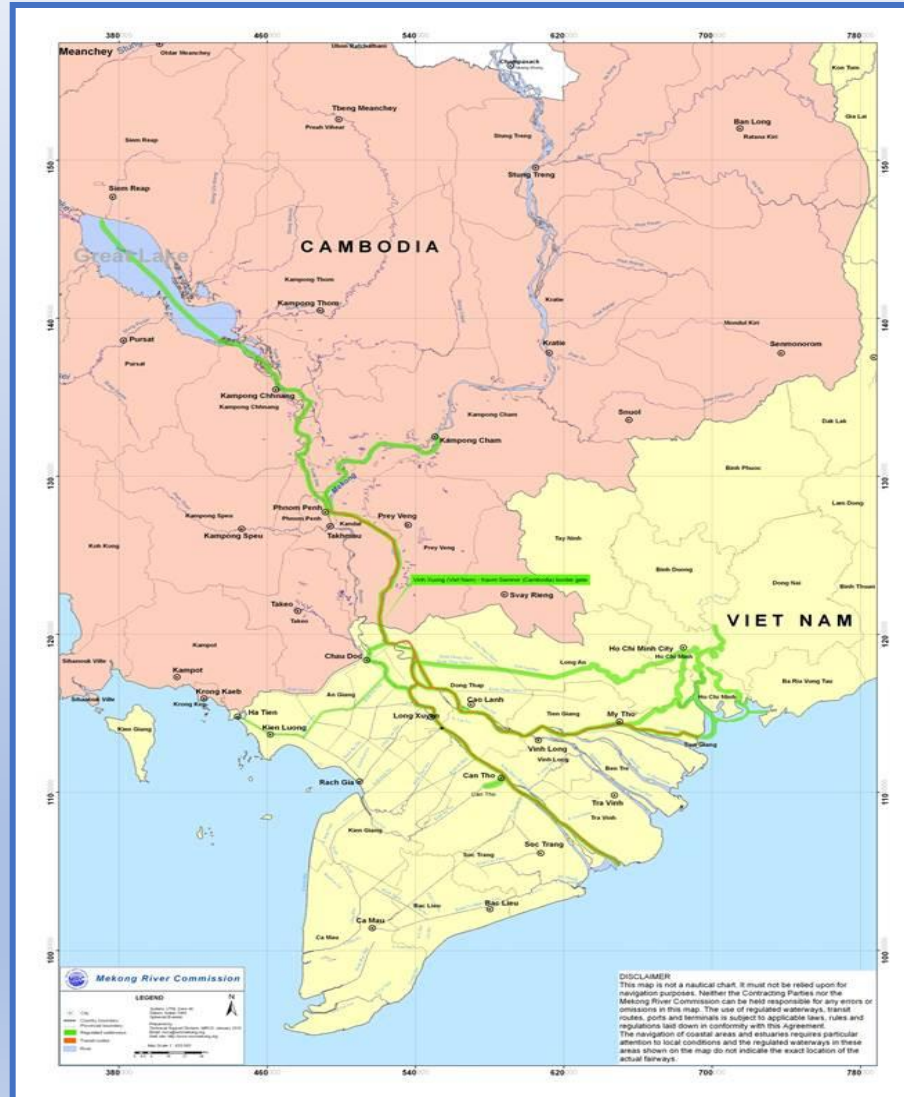
CONTENT

- ⚓ **PPAP at a Glance**
- ⚓ **Statistics of Cargoes**
- ⚓ **Business Activities**
- ⚓ **Transportation Connectivity**
- ⚓ **Development Plans**



➤ Agreement on Waterway Transportation

- Freedom of Inland water navigation between both countries
- The **Regulated Waterways** on the **Tonle Sap, Mekong, Bassac, Vam Nao Rivers**, and **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.

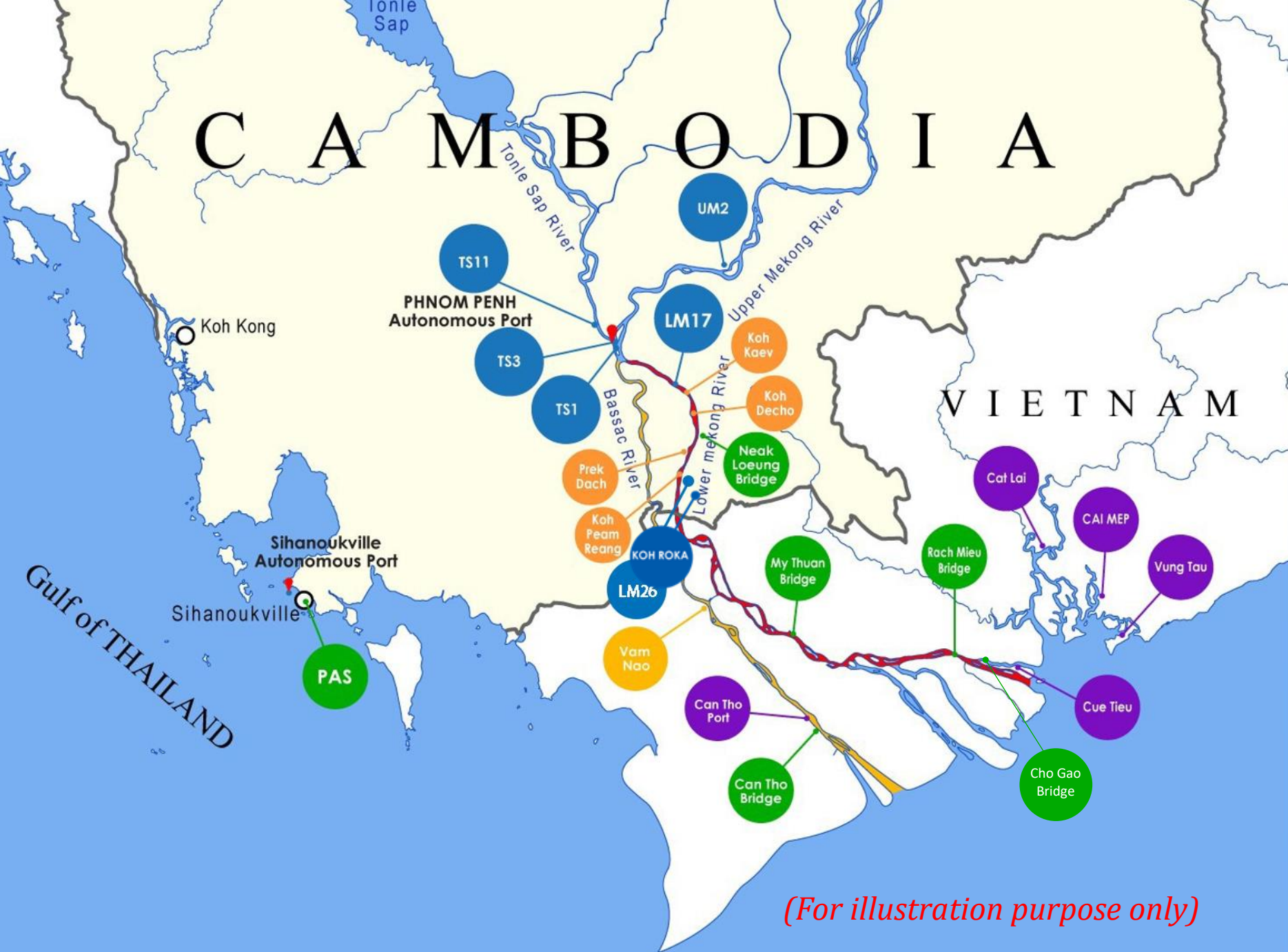


Waterway

Road

Railway
(Plan)

(For illustration purpose only)



- PPAP's Terminals
- Bridges
- Ports in Vietnam

Waterway

Road

**Railway
(Plan)**

(For illustration purpose only)

➤ PPAP's Overview Connectivities



CAT LAI

CAI MEP

➤ Trucking Routes to LM17

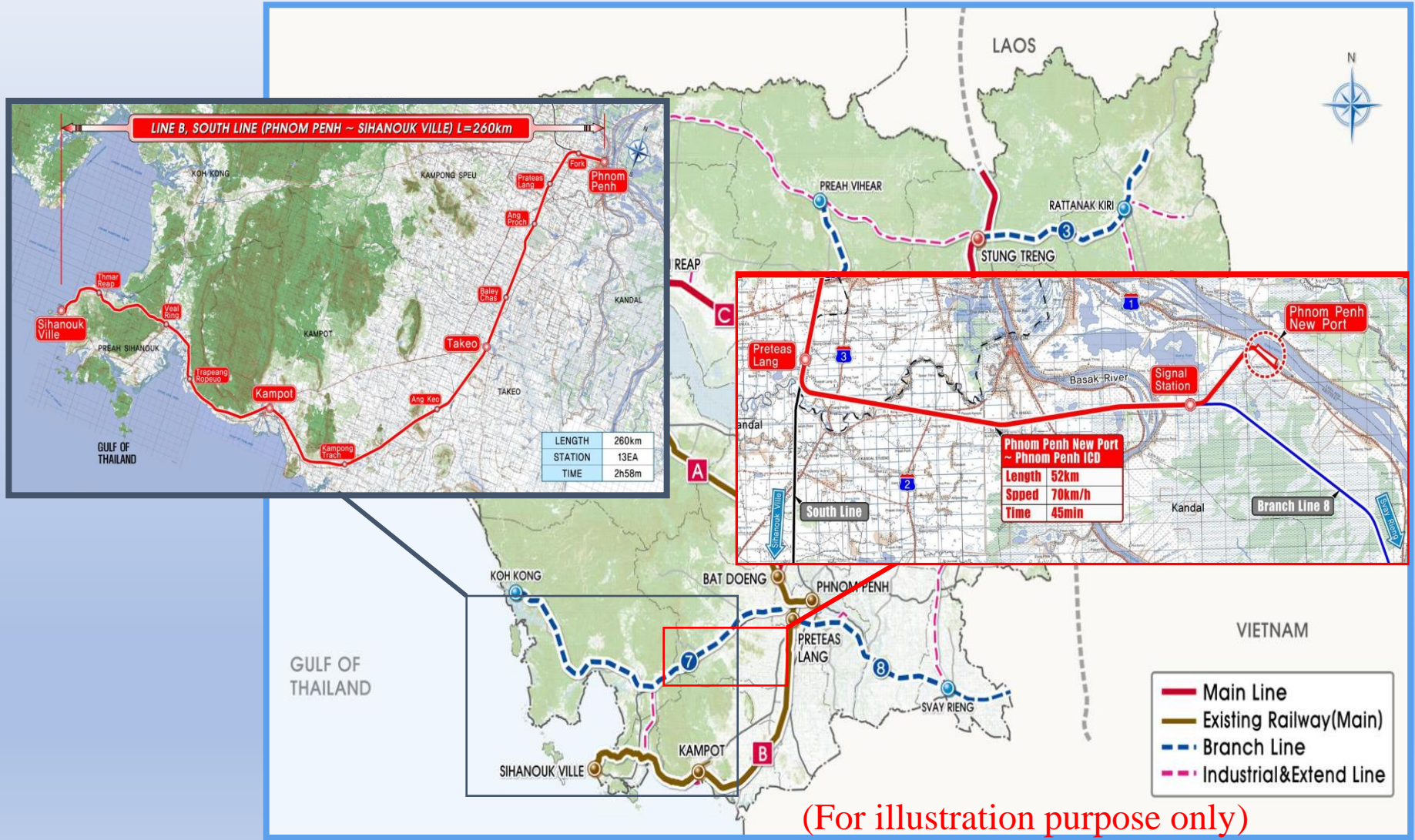


Waterway

Road

Railway (Plan)

➤ Railway Connection



Waterway

Road

Railway (Plan)

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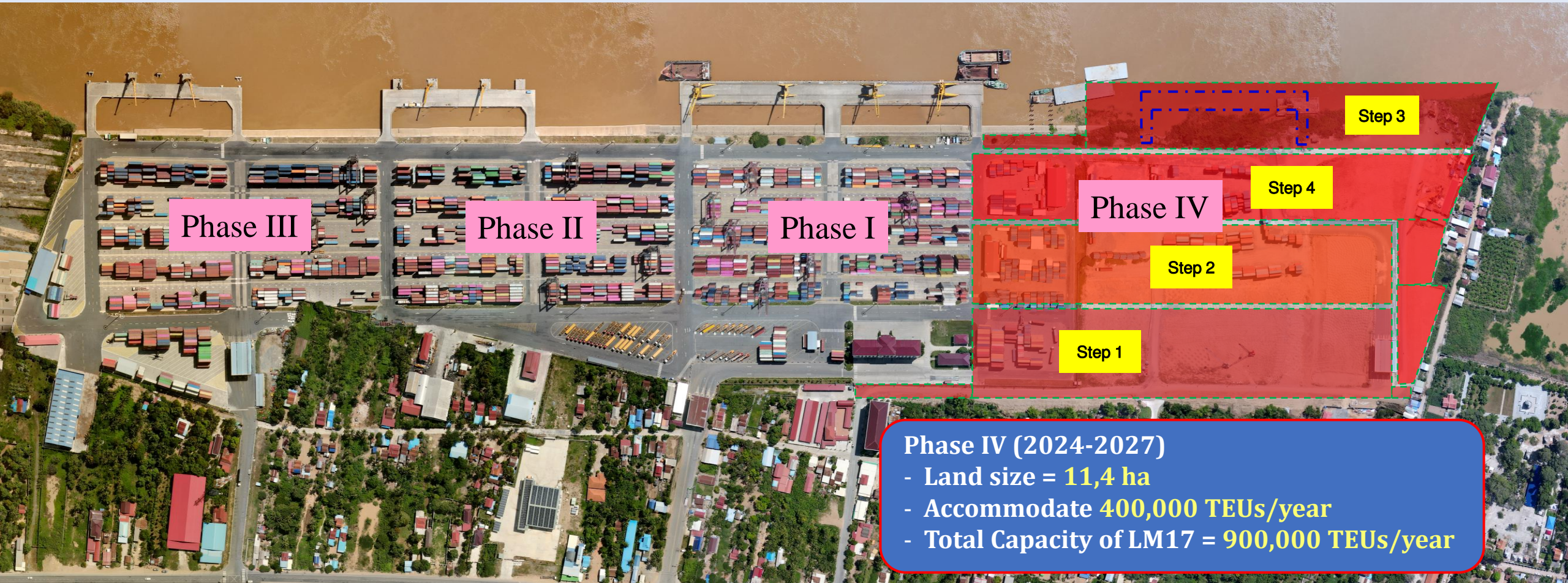
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- ⚓ **Development Plans**





Expansion plan of Container Terminal LM17

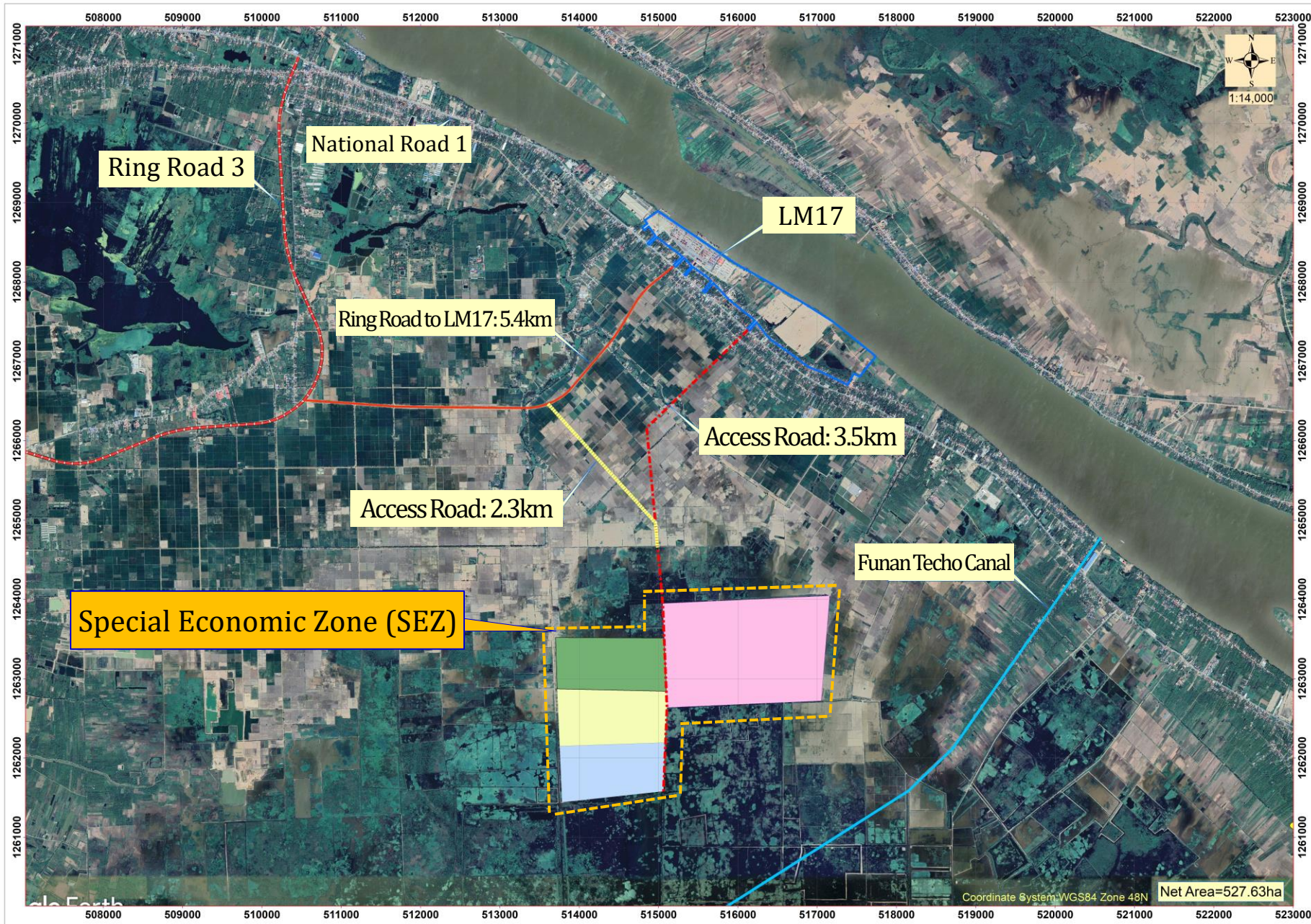


Phase IV (2024-2027)

- Land size = **11,4 ha**
- Accommodate **400,000 TEUs/year**
- Total Capacity of LM17 = **900,000 TEUs/year**



Development of Special Economic Zone (SEZ)



(For illustration purpose only)



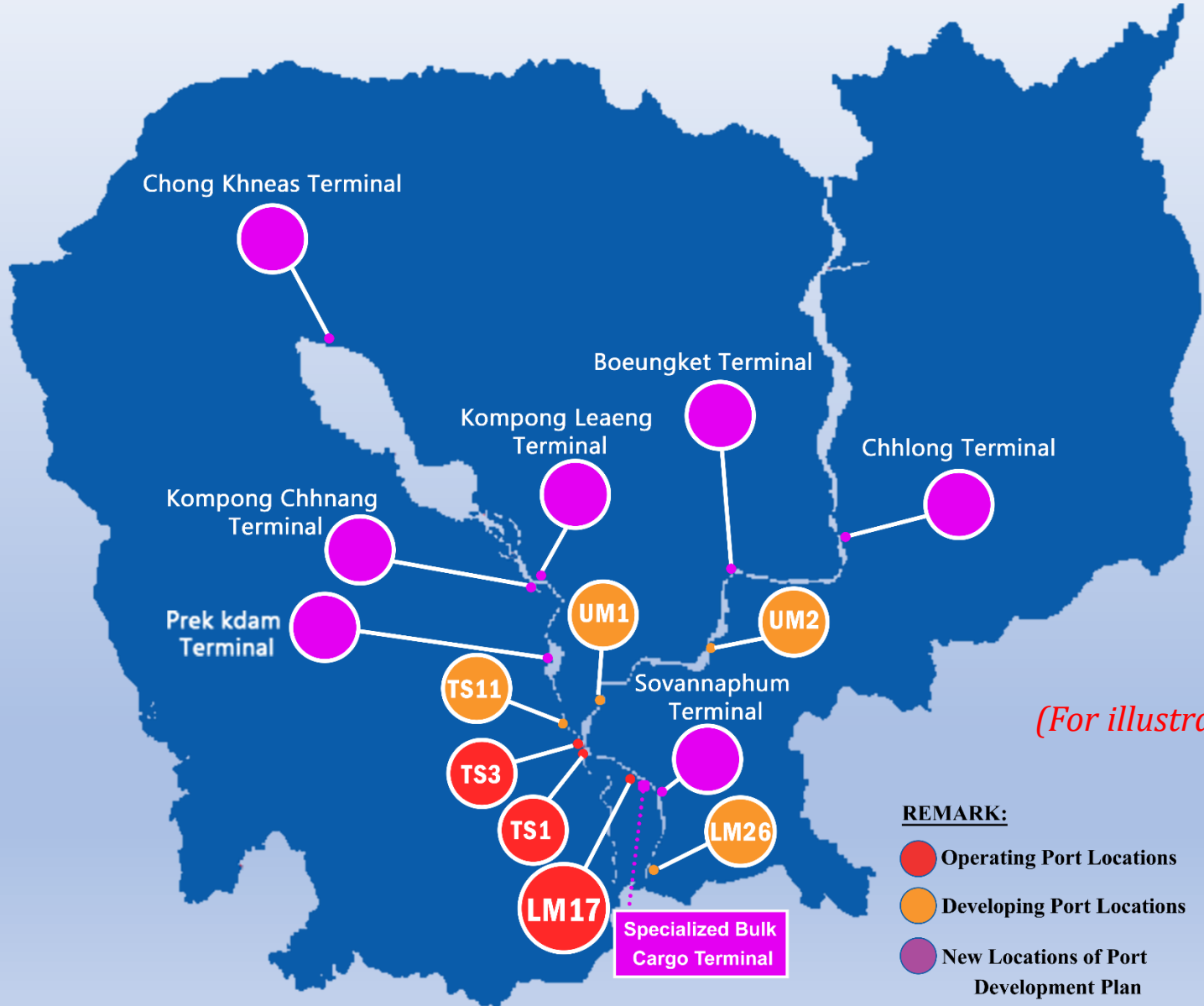
The Development of Dry Port

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



(For illustration purpose only)

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



(For illustration purpose only)



The Development of Rice Processing Facility



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



F

Phnom Penh Autonomous Port



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Thank You!



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