



Regional Logistics Development "Challenges and Opportunities for Thailand"

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15 June 2022

- ASEAN's Logistics amid Turbulent Times The current State and Challenge of Logistics in the ASEAN Region with a Focus on Thailand - **Online Free Symposium (Zoom)**



13:30-16:00 (TH Time)



OBSTACLES

2020 to present



CHALLENGES

- Social Distancing
- Less Face-to-face meeting
- Less Public transport usage



OPPORTUNITIES

- E-commerce
- Delivery Services
- Quick (just in time) logistics management
- New short cut service route in Aviation services









??? FUNDAMENTAL READINESS ???

- Connectivity in Infrastructure development in all transport modes
- Efficiency in logistics management in all transport modes





JTTRI-AIRO

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Transport Infrastructure Development Plan

3. Connecting to the ASEAN Region

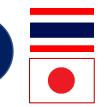








Geographical Advantage in AEC







Traffic Congestion in Urban Area







Traffic Congestion

Road Accident Problem





Transport Problems Connecting Regions



Cross-border Traffics Congestion

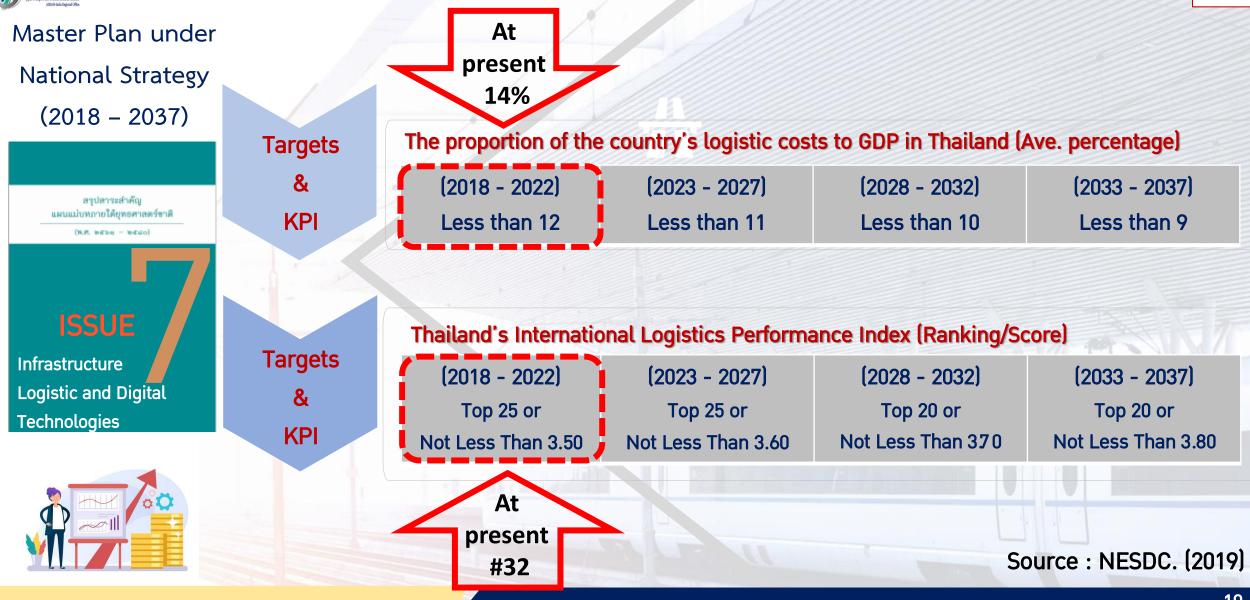




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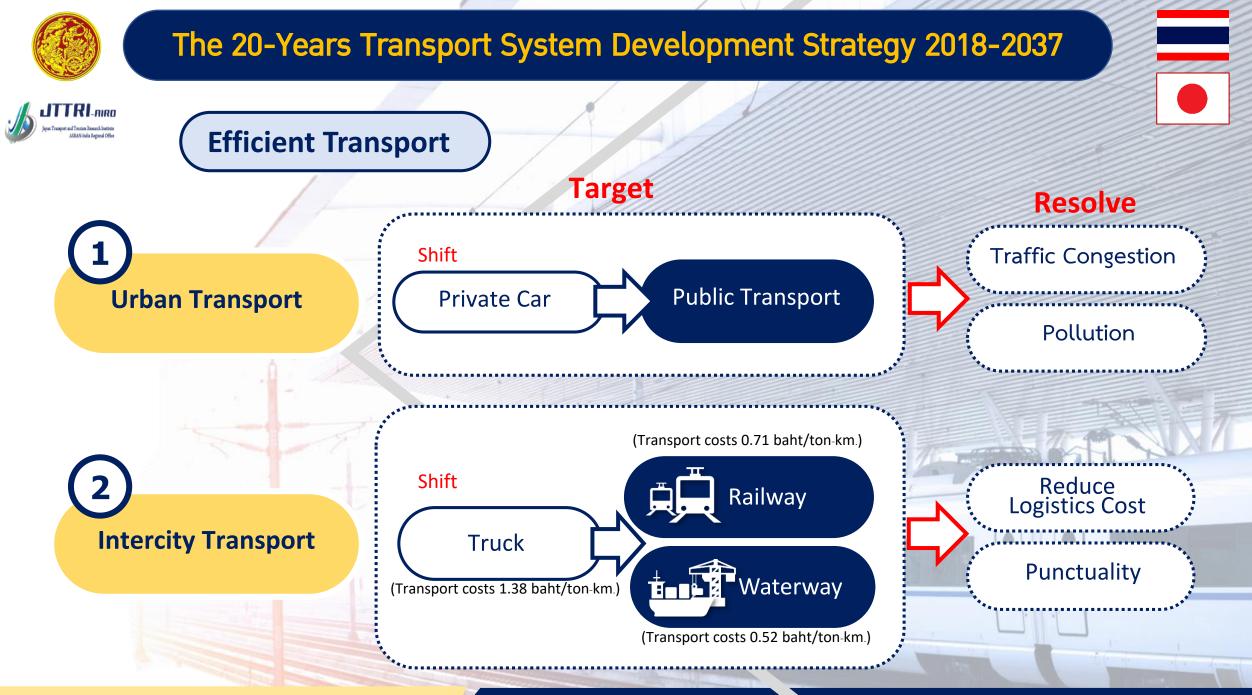


Thailand's Logistics Performance Indicator











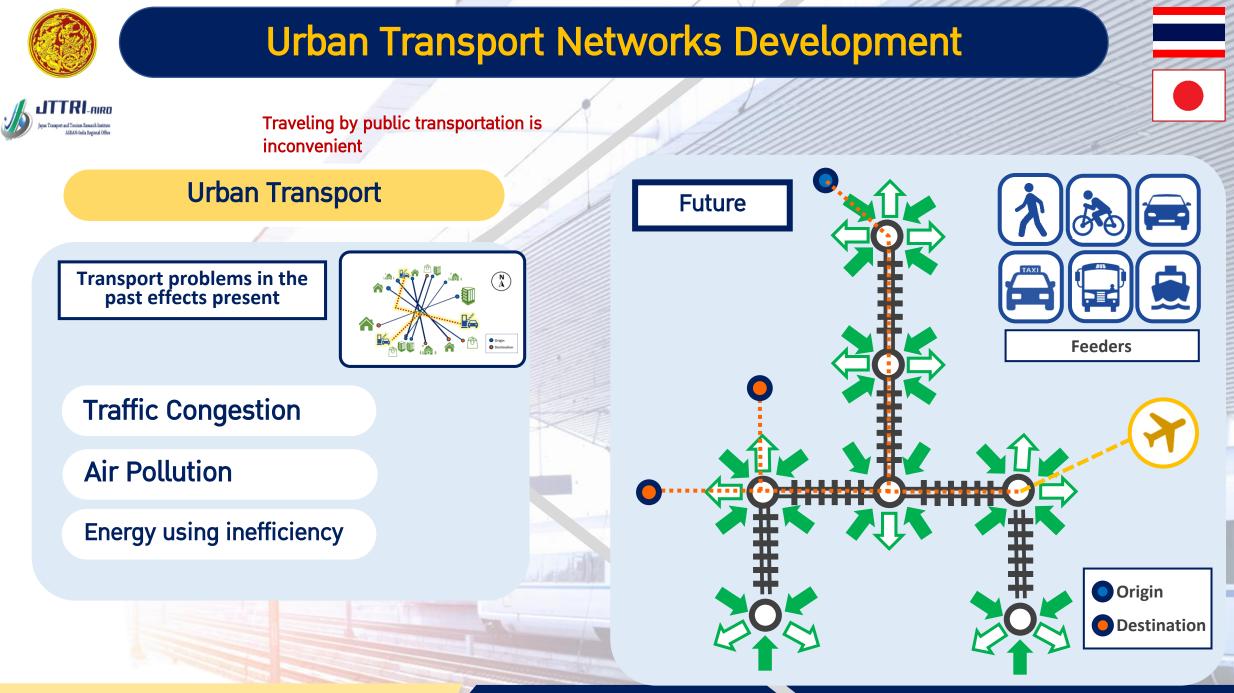
MOT's Infrastructure Development Plan













Urban Mass Transit Development Plan

TTRI-AIRO

14 Colors, 27 Lines: 554 km.

37.10

18.70

14.00

20.00

14.00

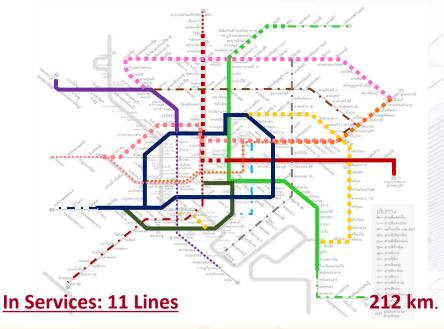
13.00

28.70

23.00

1.88 26.30

15.26



- Green Mo Chit-Samut Prakan
- Green Mo Chi-SaphanMai-Khu Khot
- Dark Green National Stadium-Bang Wa
- Blue Bang Sue-Hua Lamphong
- Blue Lamphong-Bang Khae
- Blue Bang Sue-Tha Phra
- Airport Rail Link Phayathai-Suvarnabhumi
- Purple Bang Yai-Tao Poon
- Gold Krung Thon Buri-Klongsan
- Dark Red Bang Sue-Rangsit
- Light Red Bang Sue-Taling Chan

Under Construction: 4 Lines

- Khae Rai-Minburi/Srirat-Mueang Thong Thani
- Ladprao-Samrong/Ratchada-Ladprao-Ratchayothin
- **Orange** Thailand Cultural Centre-Minburi
- Airport Rail Link Phaya Thai-Don Muaeng (3 Airports Link)

Expedite project: 4 Lines

Purple Tao Poon-Ratburana Light Red Bang Sue-Huamark/ Taling Chan-Salaya, Taling Chan-Sirirat Dark Red Bang Sue-Hua Lamphong/Rangsit-TU Rangsit Campus Orange Bang Khun Non-Thailand Cultural Centre

Next Phase: 8 Lines

Green Khu Khot-Lam Luk Ka/Samut Prakan-Bang Puu 16.00 Dark Red Hua Lamphong-Wongwian Yai-Mahachai 38.00 Brown Khae Rai-Lam Sali 22.10Light Blue Din Dang-Sa Thron 9.50 Blue Bang Khae-Phutthamonthon Sai 4 8.00 **Gold Klong San-Prajadhipok** 0.92 Grey Watchapol-Tha Phra 39.91

114 km.

37.30	Operate in 2023
33.00	Operate in 2023
22.50	Operate in 2025
21.80	Operate in 2028

93 km.

23.60 46.40 14.60 13.40

134 km.



Public Transport Development Plan in Major Cities



Chiang Mai (Light Rail Transit : LRT)

- MRTA: DD/EIA/PPP
- Pilot Project Red Line in Nakhon Phing Hospital Mae Hia Saman Samakkhi Intersection
- Total distance 15.80 km., Investment 27,211 million baht
- Expected to propose the Cabinet for approval in 2020 and construction in 2022 - 2027

Phitsanulok (Auto Tram)

- MRTA: DD/EIA/PPP
- Red line pilot project will operation in 2021 2022: Phitsanulok university - Phitsanulok Mueang Mai Village
- Total distance 12.6 km., Investment cost 762.29 million baht
- Expected propose to the cabinet in 2023, Civil work in 2024-2029

Phuket (Light Rail Transit : LRT)

- MRTA: DD/EIA/PPP
- Phuket public transportation system: 1st phase Phuket airport - Chalong Intersection, Total distance 41.7 km.
- Investment cost 30,155 million baht
- Expected propose to the cabinet in 2020, Civil work in 2022 - 2026

Udonthani : Public transportation master plan 6 routs (EV Bus)

Pilot project 2 routes, red and orange lines, Total distance 20.60 km
Electric buses

Khonkean (Light Rail Transit : LRT)

- Red line pilot project Samran Tha Phra:
- Operation by Khonkaen Transit system CO., LTD.
- Total distance 26 km., Investment cost 22,000 million baht
- Expected propose to the cabinet in 2021, Civil work in 2022 - 2024

Nakorn Ratchasima (Light Rail Transit : LRT)

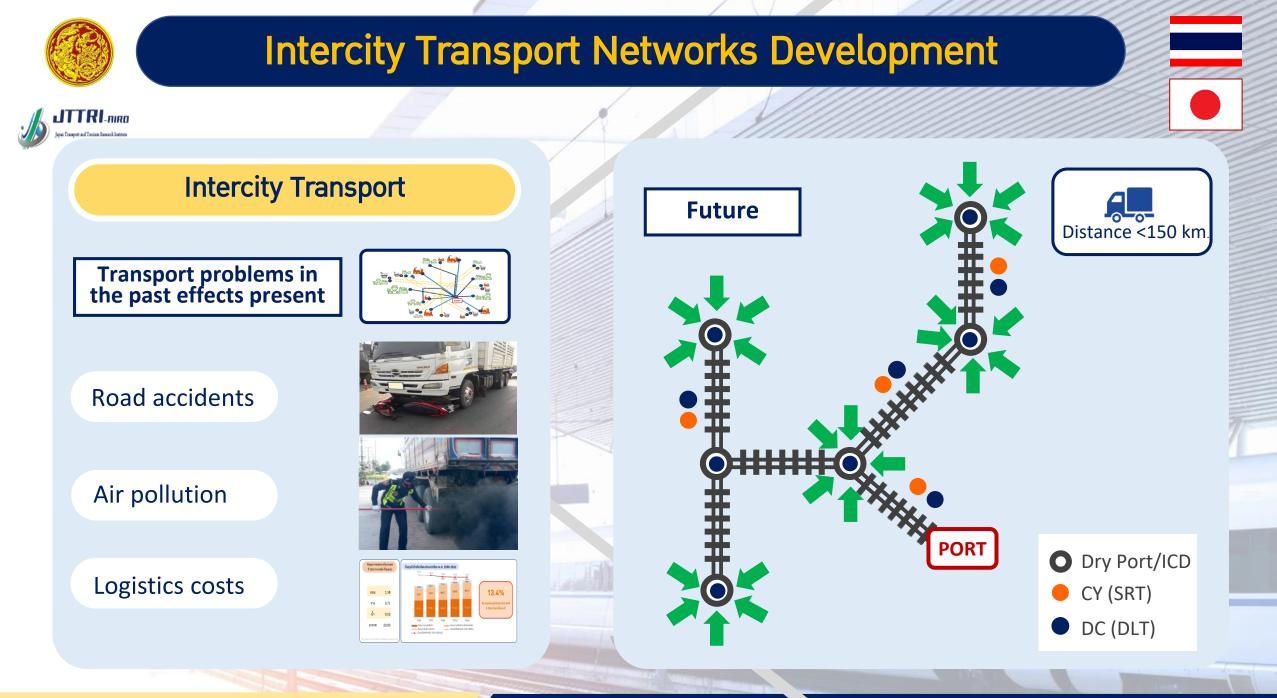
- MRTA: DD/EIA/PPP
- Green line pilot project: Saveone market Bannarisawat
- Total distance 11.17 km., Investment cost 8,275.26 million baht
- Expected propose to the cabinet in 2021, Civil work in 2022 2025

Chachoengsao, Chonburi, Rayong:

Public transportation master plan (EV Bus / EV Mini Bus / Tram Bus)

Hat Yai, Songkhla (MONORAIL)

- Klong Wa Van Station
- Total distance 12.54 km., Investment cost 16,186.01 million baht
- Considering PPP report, Expected to propose to the cabinet in 2021, Civil work in 2022-2025





Double Track Development Plan



TTRI-AIRO As Backbone ChiangKhon ChiangMai Sukhoth KhonKea Prachuap Kriri Kha 0 Ranong 0 Padang Re

Immediate Phase

7 sections: 993 km

Chachoengsao-Khlong19-Kaeng Khoi
 Jira Junction-Khon Kean
 Mab Kabao-Jira Junction
 Lopburi-Pak Nam Pho
 Nakhon Pathom-Hua Hin
 Hua Hin-Prachuap Kiri Khan
 Prachuap Kiri Khan-Chumphon

Medium Phase

7 sections: 1,479 km

- 1 Pa Pak Nam Pho-Den Chai
- 2 Den Chai-Chiang Mai
- 8 Khon Kean-Nong Kai
- 4 Jira Junction-Ubon Ratchathani
- **5** Chumphon-Surat Thani
- 6 Surat Thani-Hat Yai-Song Kha
- 🕖 Hat Yai-Padang Besar

Source : Department of Railway Transport

New Line APPROVED

2 sections: 679 km
 Den Chai-Chiang Rai-Chiang Khong
 Ban Pai-Mukdahan-Nakhon Phanom

Signed the contract in December 2021

New lines, next phase

Mae Sot-Tak-Kamphaeng Phet-Nakhon Sawan
 Nakhon Sawan-Ban Pai
 Si Sa Ket-Yasathon-Roi Et
 Ubon Ratchathani-Chong Mek
 Kanchanaburi-Ban Phunamron
 Kanchanaburi-Suphan Buri-Ban Phachi Junction
 Sriracha-Rayong
 Map Ta Phut-Rayong-Chanthaburi-Trat
 Chumphon-Ranong
 Sarat Thani-Phangnga-Tha Nun
 Sarat Thani-Don Sak
 Thap Put-Krabi



Completed Construction Under Construction

Propose to Cabinet

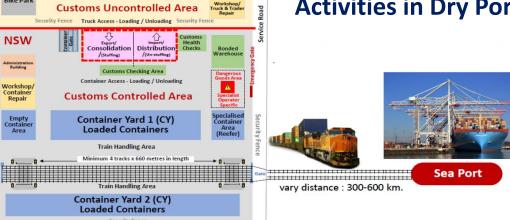


Utilitie

Car / Bike Park Main Road

Truck Parking

Dry Port











High Speed Rail Development Plan

TRI-AIRO



ChiangKhong

Immediate Phase

2 sections: 1,208 km

- Bangkok-Nakhon Ratchasima (253 km) 1
- Connected 3 Airport (220 km) 2
- Nakhon Ratchsima-Nong Khai (355 km) 3
- Bangkok-Phitsanulok (380 km) [4]

Medium Phase

2 sections: 759 km

- Hua Hin-Surat Thani (424 km)
- Surat Thani-Padang Besar (335 km)

Long Term Phase

2 sections: 499 km

- Bangkok-Hua Hin (211 km) 0
- Phitsanulok-Chiang Mai (288 km) 2

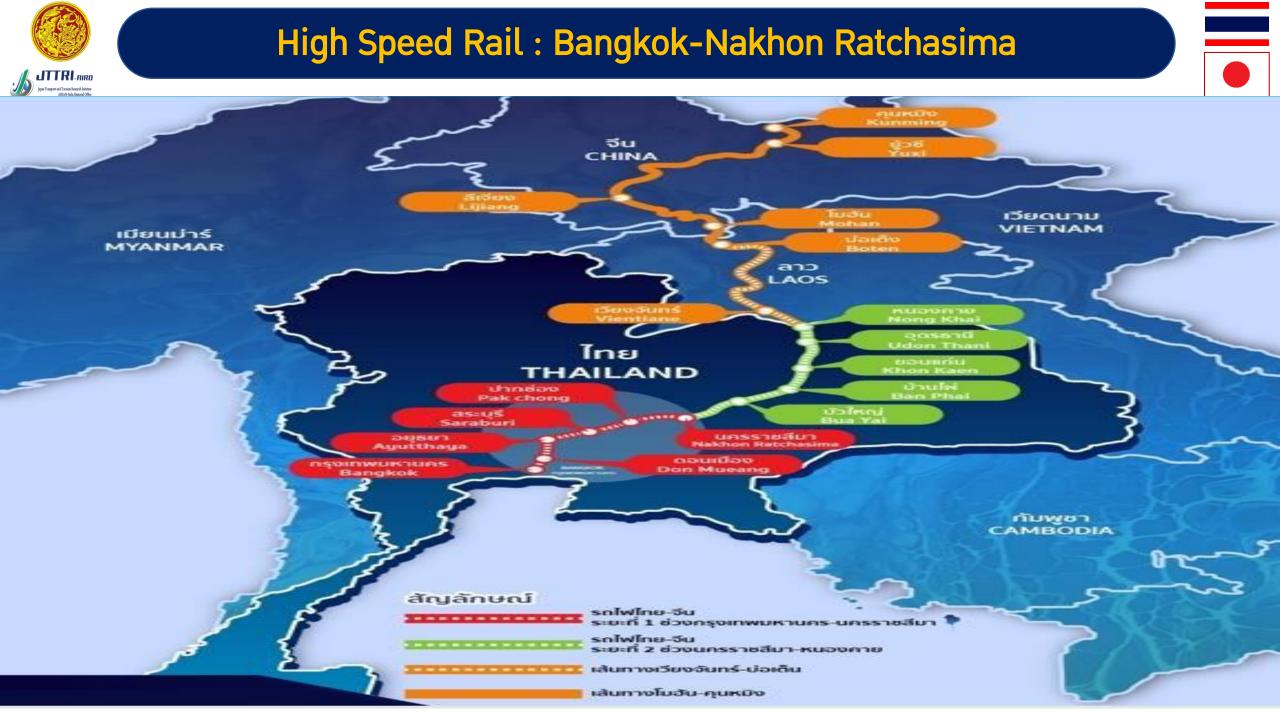
Under Construction Under Land Expropriation Process Under the Investment Scheme Consideration **Under Detailed Design**

Feasibility Study in 2022 Feasibility Study has completed

Request for Budget Allocation for Revision Under the Investment Scheme

Consideration

High Speed Rail : Bangkok-Nakhon Ratchasima





High Speed Rail : Bangkok-Nakhon Ratchasima



เวียดนาม VIETNAM

กัมพูชา

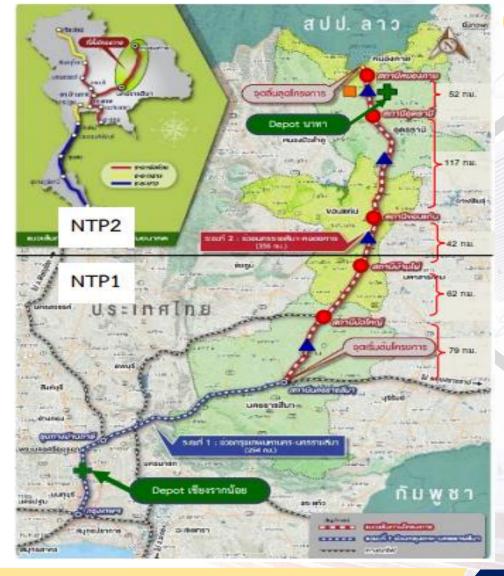
CAMBODIA





High Speed Rail : Nakhon Ratchasima - Nong Khai





Expected to open in 2037

<u>Section 2</u>: Nakhon Ratchasima – Nong Khai

Total length : 356 km.

Total station : 5 stations

<u>Current status :</u>

- The detailed design for civil work has been completed.
- The EIA has been conducted.
- The Thai government invests the project and is responsible for civil work.
- The Chinese government is responsible for the project design, CSC, and railway systems.



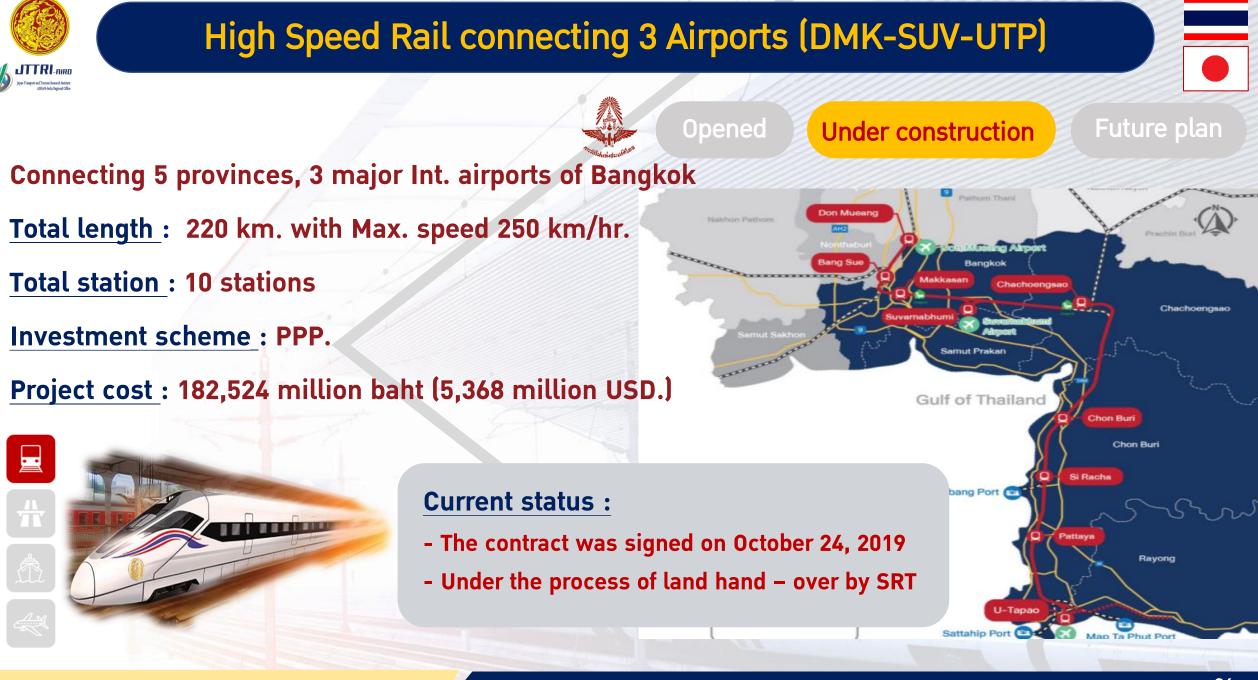
High Speed Rail (Phase III): Nong Khai - Vientiane





High Speed Rail (Phase III): Nong Khai - Vientiane
<u>Total length</u>: 16 km. (Thailand side 4 km. / Laos 10.5 km.)
<u>Current Status</u>: Thailand, Laos and China have discussed the details
of the 2nd railway bridge development and the train operation in January 2022.



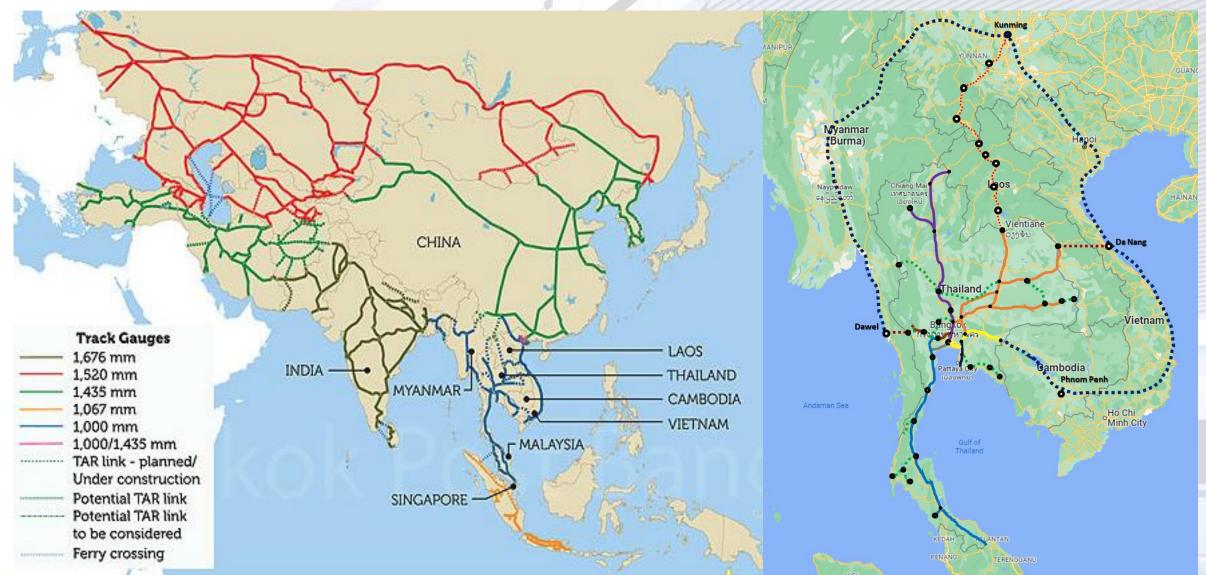






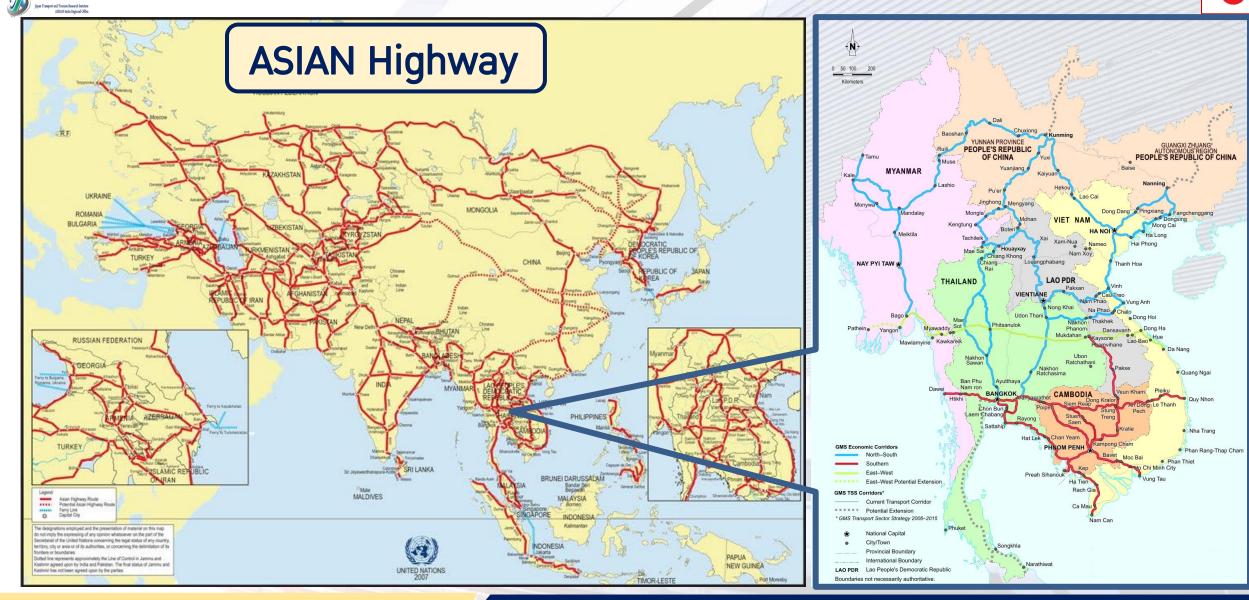
Trans-ASIAN Railway Network





Connecting Regions Seamlessly

JTTRI-BIRD





Enhancing Connectivity between Neighboring Countries





5th Thai – Lao Friendship Bridge (Bueng Kan - Bolikhamxai) Bueng Kan Province



Total Length : 16 km. Project Cost : 3,<mark>9</mark>30 million baht

Under construction

Open in 2023

^{6th} Thai – Lao Friendship Bridge (Ubon Ratchathani - Salavn) Ubon Ratchathani Province



Total Length : 26 km. Project Cost : 4,365 million baht

Construct in 2023

Open in 2025

Thai – Cambodia Friendship Bridge (Ban Nong Ian – Stung Bot) Sa Kaeo Province



Total Length : 25 km. Project Cost : 3,020 million baht

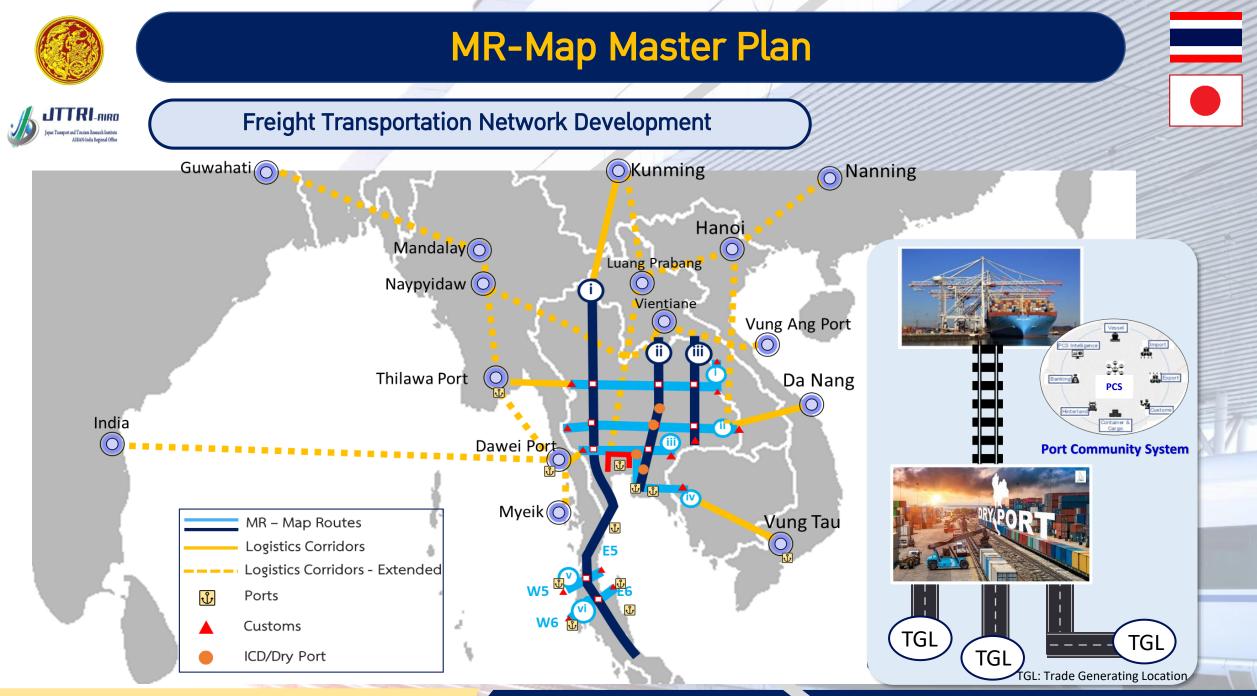
Under construction

Open in 2023



MR-Map Development Concept





Thailand's Landbridge Development Project

INDONESIA





" Connecting the Andaman Sea and the Gulf of Thailand via Ranong and Chumphon provinces." The Development Objective

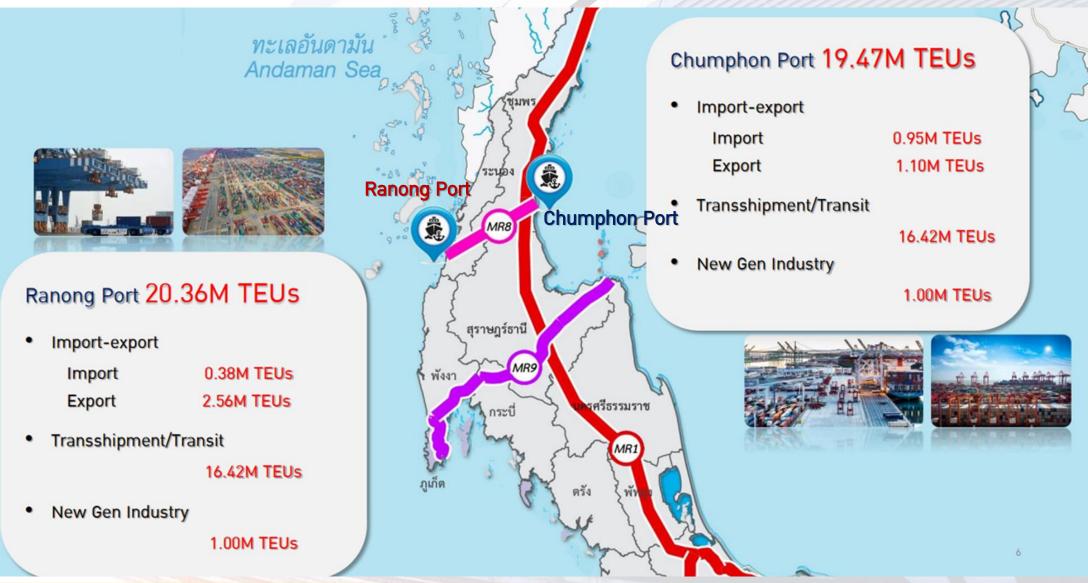
1. The landbridge is part of the government's plan to develop a Southern Economic Corridor which will connect with the Eastern Economic Corridor.

 This landbridge project is a strategy to link the fareast economies as China, Japan, and South Korea and Europe, Africa & Middle East via Thailand.





Shipments Forecast Through Landbridge Ranong Port - Chumphon Port





- THANK YOU -

ขอบคุณครับ

