



Mega Projects to Drive Thailand's Economic Growth



March 19, 2018

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2015-2022

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20 Years' Thailand Transport System Development Strategy (2017-2036)



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Strategy 2

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Strategy 3

Regulations & Institution: Transparency, Equity, PPP

Strategy 4

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Strategy 5

Technology & Innovation: Research and Development (R&D)





Transport Infrastructure Development Strategy 2015-2022

Plan 1: Intercity Rail Networks Development

1.1 Tracking & Facilities Improvement

1.2 Dual Track Development

Plan 2: Improving Public Transport Networks & Services

2.1 Implementation of 10 Metro Lines

2.2 Construction of Roads & Bridges

2.3 Procurement of 3,183 NGV Buses and Depots

Plan 3: Enhancing Connectivity between Key Domestic Production Bases & Neighboring Countries

3.1 Accessibility to Agricultural & Tourist Areas

3.2 Connectivity between Hub & Key Production Bases

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Plan 5: Enhancing Air Transport Capability

5.1 Airport Capacity Expansion

5.2 Enhancement in Air Traffic Management Capability

5.3 Increased Fleet Utilization

5.4 Air Transport Industrial Park

5.5 Human Resource Development

Action Plan 2016 (20 Projects) Investment Cost 49,570.04 US M.



1. Air Transport

Suvarnabhumi Airport Phase II (1,437.78 US M.)

Cabinet acknowledged
December 1, 2015

Dual Track Railways (1.00 Meter-gauge)

- 1) Jira Junction – Khon Kaen (680.07 US M.)
- 2) Mab Kabao- Jira Junction (841.38 US M.)
- 3) Nakhon Pathom -Hua Hin (572.75 US M.)



Motorway

- 1) Pattaya-Mab Taphut (509.13 US M.)
- 2) Bang Pa In- Saraburi-Nakhon Ratchasima (2,089.51 US M.)
- 3) Bang Yai-Ban Pong-Kanchanaburi (1,340.60 US M.)

Urban Mass Rapid Transit

- 1) Orange Line: Thailand Cultural Ctr-Minburi (3,259.93 US M.)
- 2) Pink Line: Kae Rai-Minburi (1,528.16 US M.)
- 3) Yellow Line: Lad Praow - Sam Rong (1,408.19 US M.)
- 4) Red Line: Bang Sue-Phyathai-Makkasan- Hua Mak & Bang Sue-Hua Lam Phong (1,261.65 US M.)
- 5) Purple Line: Tao Poon-Ratburana (2,888.91 US M.)



Standard-gauge, Dual-Track Railways ^{85 US M.)}

- 1) Bangkok- Nong Khai, Kaeng Koi-Mab Taphut (10,547.08 US M.)
- 5) Lop Buri- Pak Nam Pho (706.35 US M.)
- 2) Bangkok- Phitsanulok-Chiang Mai (12,842.08 US M.)
- 3) Bangkok-Hua Hin (2,704.94 US M.)
- 4) Bangkok-Ra Yong (4,357.94 US M.)

Maritime Transport

- 1) Coastal port development (Terminal A), Laem Chabang Port (48.72 US M.)
- 2) Single Rail Transfer Operator (SRTO) Phase 1, Laem Chabang Port (52.02 US M.)



Action Plan 2017 (36 Projects) Investment Cost 25,593.07 US M.



In Service: 2 projects

1. Ferry Service across Gulf of Thailand (MD)	38.72 US M.
2. Common ticket system (OTP)	- US M.
	38.72 US M.



Procurement Stage: 15 projects

1. Public Bus Procurement & Station (BMTA)	13,387.56 US M.
2. Blue Line : Bang Kae – Sai 4 (MRT)	64.92 US M.
3. Dark Green : Samutprakarn – Bang Pu (MRT)	605.63 US M.
4. Dark : Kukot - Lumluka (MRT)	347.03 US M.
5. Orange : Talingchan –Thailand Cultural Centre (MRT)	280.09 US M.
6. ARL Extension Don Muang-Bang Sue- Phayathai (SRT)	3,524.40 US M.
7. Dark Red : Rangsit – TU Rangsit (SRT)	889.98 US M.
8. Dual Track (DT) Paknampho-DenChai (SRT)	217.06 US M.
9. DT Jira - Ubonratchathani (SRT)	1,601.89 US M.
10. DT Khonkaen – Nong Khai (SRT)	1,023.99 US M.
11. DT Chumporn – Surat Thani (SRT)	744.74 US M.
12. DT Surat Thani - Songkha (SRT)	668.14 US M.
13. DT Hat Yai – Padang Beza (SRT)	1,480.67 US M.
14. DT Denchai – Chiang Mai (SRT)	226.91 US M.
15. MRO Dev. at U – Tapao Airport (TG)	1,712.12 US M.
	- US M.



Proposal Development: 4 projects

1. Ferry Terminal Dev. (MD)	1,399.59 US M.
2. Motorway Hat Yai-TH-Malaysia Border (DOH)	28.05 US M.
3. Regional Truck Terminal (9 border provinces) (DLT)	871.43 US M.
4. Regional Truck Terminal (8 regional cities) (DLT)	230.45 US M.
	269.66 US M.

Cabinet acknowledged
December 13, 2016

Construction Stage: 5 projects

1. Intermodal Facility – Chiang Khong (DLT)	1,565.67 US M.
2. Regional Airport Dev. (Mae Sot/Bae Tong/Sakon Nakhon/Krabi) (DOH)	67.59 US M.
3. Rama 3 – Dao Kanong-Outer Ring (West) (EXAT)	2,105.99 US M.
4. DT Hua Hin- Prachuap Khiri Khan (SRT)	892.69 US M.
5. Baggage System Handling Upgrade at Suvarnabhumi Airport (SRT)	292.56 US M.
	932.25 US M.

Cabinet/PPP Committee Approval: 8 projects

1. New Line DT Den Chai-Chiang Rai-Chiang Khong (SRT)	8,514.42 US M.
2. New Line DT Ban Pai – Nakhon Phanom (SRT)	2,199.39 US M.
3. Light Red Extension : Taling Chan-Siriraj & Taling Chan-Saraya (SRT)	1,724.34 US M.
4. Lam Cha Bang Phase 3 (PAT)	514.06 US M.
5. Exp. Northern Route N ₂ and E-W Corridor (CAAT)	1,002.84 US M.
6. Exp. Kratu – Patong (EXAT)	410.91 US M.
7. Motorway Nakhon Phatom – Cha Am (DOH)	299.90 US M.
8. Cross-border Logistics Center Nakorn Phanom (DLT)	2,302.86 US M.
	30.10 US M.

Policy Driven: 2 projects

1. Truck Rest Area (Buriram/Udonthani/Kampaeng Phet (DOH)	687.11 US M.
2. Mass Transit in Phuket (MRT)	15.71 US M.
	671.40 US M.

Action Plan 2018 (44 Projects) Total Investment 5,7714.28 US M.



Target within Fiscal year 2018



21 Projects Cabinet/ PPP Committee Approval

1. Expressway: Kratu-Patong (EXAT)	397.62
2. Cross-Border Logistics Centre at Nakorn Phanom (DLT)	32.36
3. Regional Truck Terminal (9 Border provinces) (DLT)	230.00
4. Regional Truck Terminal (9 Regional cities) (DLT)	238.35
5. Bus Procurement (EV) (BMTA)	11.91
6. Bus Procurement (NGV) (BMTA)	49.60
7. Motorway: Nakhon Phatom-Cha Am (DOH)	2,223.80
8. Motorway: Hat Yai-TH-Malaysia Border (DOH)	973.43
9. Motorway: Rangsit-Bang Pa-In <u>New</u> (DOH)	716.30
10. Motorway: H35 BKK-Maha Chai <u>New</u> (DOH)	1,145.00
11. HSR BKK-Chiang Mai (OTP/SRT)	7,892.17
12. HSR BKK-Hua Hin (OTP/SRT)	2,225.91
13. Red Line: Bang Sue – Phayathai – Makkasan - Hua Mak & Bang Sue - Hua Lam Phong (SRT)	432.50
14. Purple Line: Tao Poon-Ratburana (SRT)	3,663.86
15. Mass Transit in Phuket (OTP/SRT)	861.56
16. Mass Transit in Chiang Mai <u>New</u> (OTP/SRT)	3,063.8
17. Mass Transit in Nakhorn Ratchasima <u>New</u> (OTP/SRT)	388.37
18. Mass Transit in Khon Kean <u>New</u> (OTP/SRT)	398.50
19. Laem Chabang Phase 3 (PAT)	2.59
20. Dry Port <u>New</u> (PAT)	52.17
21. MRO (TG)	114.90

รวม 26,114.64 US M.

23 Projects Procurement/Construction/In Service

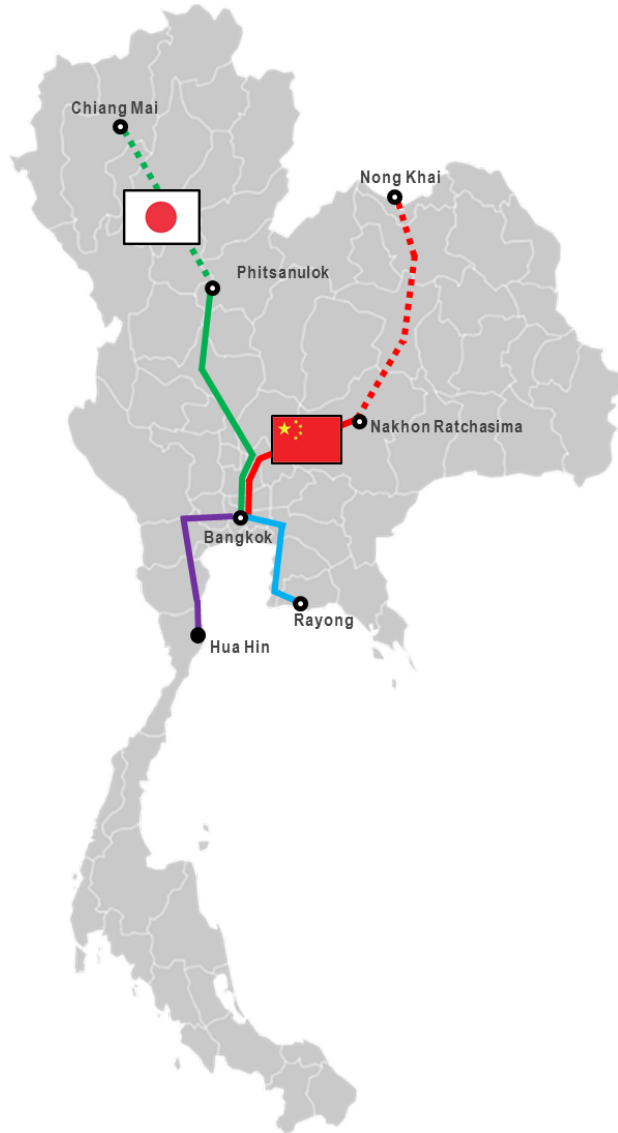


1. Truck Rest Area Buriram/Khon Kean (DOH)	13.71
2. Expressway: Rama 3-Dao Kanong-Outer Ring Road (EXAT)	892.70
3. Northern Route N ₂ and E-W Corridor (EXAT)	501.46
4. DT Nakhon Pathom-Chumpon (SRT)	1,226.67
5. DT Lop Buri-Pak Nam Pho (SRT)	647.94
6. DT Mab Kabao-Jira Junction (SRT)	882.30
7. DT Paknampho-Denchai (SRT)	1,789.00
8. DT Jira-Ubonratchathani (SRT)	1,072.00
9. DT Khon Kean-Nong Khai (SRT)	761.55
10. DT Chumporn-Surat Thani (SRT)	694.00
11. DT Surat Thani-Song Khla (SRT)	1,639.12
12. DT Hat Yai-Padang Besar (SRT)	231.90
13. DT Den Chai-Chiang Mai (SRT)	1,711.86
14. New DT Den Chai-Chiang Rai-Chiang Khong (SRT)	2,438.43
15. New DT Ban Pai-Nakhon Phanom (SRT)	1,941.86
16. HSR BKK-Nakhon Ratchasima (OTP/SRT)	5,126.06
17. ARL Phayathai-Bang Sue-Don Muang (SRT)	5,811.35
18. Dark Red Rangsit-TU Rangsit (SRT)	187.73
19. Light Red Extension Sirirat-Taling Chan-Salaya (SRT)	504.9
20. Orange Line : Western Section (SRT.)	3,441.68
21. Dev. Krabi Airport (Apron) <u>New</u> (DOA)	34.73
22. Dev. Khon Kean (Passenger terminal) <u>New</u> (DOA)	64.28
23. Common Ticket (SRT/OTP)	21.07

รวม 31,636.32 US M.



High Speed Rail



Bangkok - Nakhon Ratchasima - Nong Khai 408 km.

Bangkok - Ra Yong 194 km.

Bangkok - Hua Hin 211 km.






Bangkok - Phisanulok - Chiang Mai 673 km.



Existing Railway Network



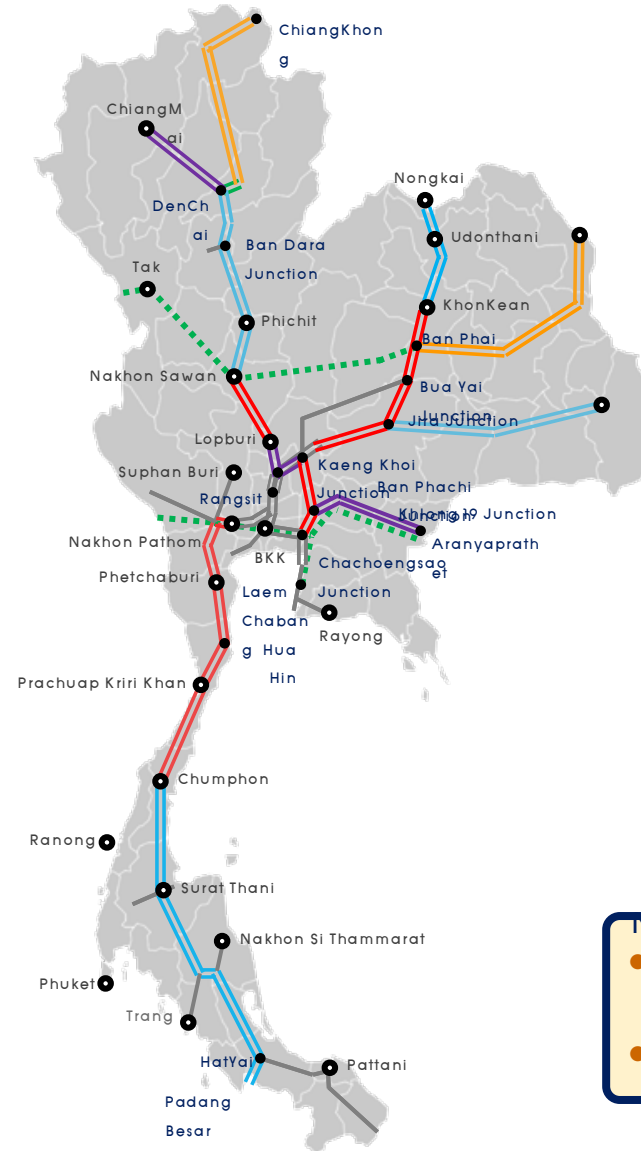
	Single	3,764 km
	Double (Lop Buri-Ban Pachi / Kaeng Khoi-Ban Phachi/Nakhon Pathom- BKK/BKK-Rangsit)	174 km
	Triple (Rangsit-Ban Phachi Junction/Hua Mak- Chachoengsao)	105 km
	Total	4,043 km





Future Railways 3,455 Km

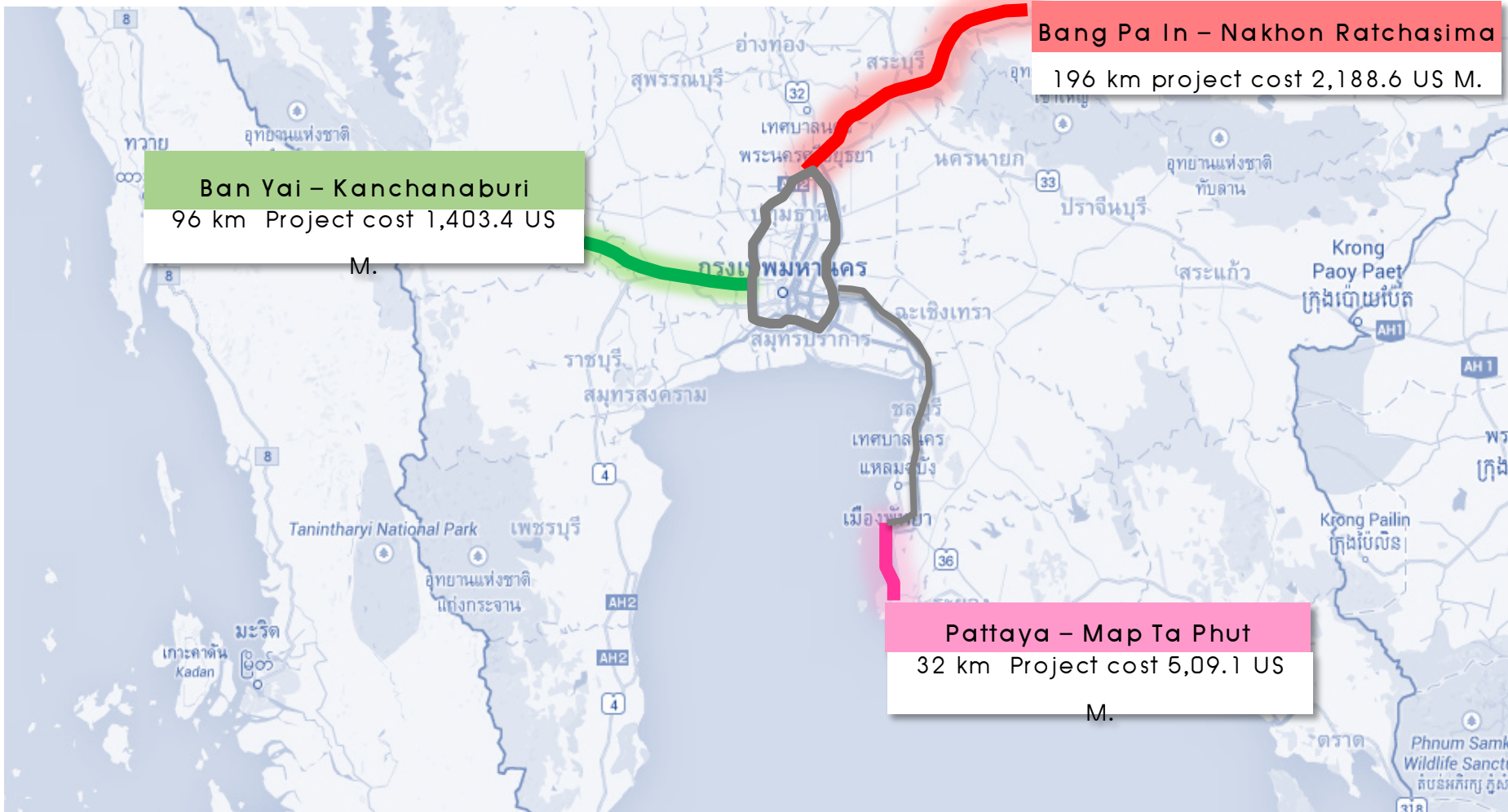
	Completion	km
Immediate Phase		
7 sections		993 km
Chachoengsao-Khlong 19-Kaeng Khoi	2019	106
Jira Junction-Khon Kean	2019	185
Prachuap Kiri Khan-Chumphon	2020	167
Lopburi-Pak Nam Pho	2020	148
Mab Kabao-Jira Junction	2020	132
Nakhon Pathom-Hua Hin	2020	165
Hua Hin-Prachuap Kiri Khan	2020	90
Medium Phase		
7 sections		1,392 km
Khon Kean-Nong Khai	2024	174
Chumphon-Surat Thani	2024	167
Pak Nam Pho-Den Chai	2025	285
Jira Junction-Ubonratchathani	2025	309
Hat Yai-Padang Besar	2025	48
Sriracha-Map Ta Phut	2025	70
Surat Thani-Hat Yai-Song Kha	2026	339
Long term Plan		
2 sections		392 km
Den Chai-Chiang Mai	2029	217
Klong 19-Aranyaprathet	2030	175



New Double Track Lines	
Den Chai-Chiang Khong	323 km
Ban Pai-Nakhon Phanom	355 km



Intercity Motorway



Cabinet approved for construction
July 14, 2015

Pattaya - Map Ta Phut

- Progress : 68 percent
- Expected Completion: November 2018

Bang Pa In - Nakhon Ratchasima




- Progress : 29 percent
- Expected Completion: July 2020

Bang Yai - Kanchanaburi

- Progress : 7 percent
- Expected Completion: October 2020



Future : Maritime Transport

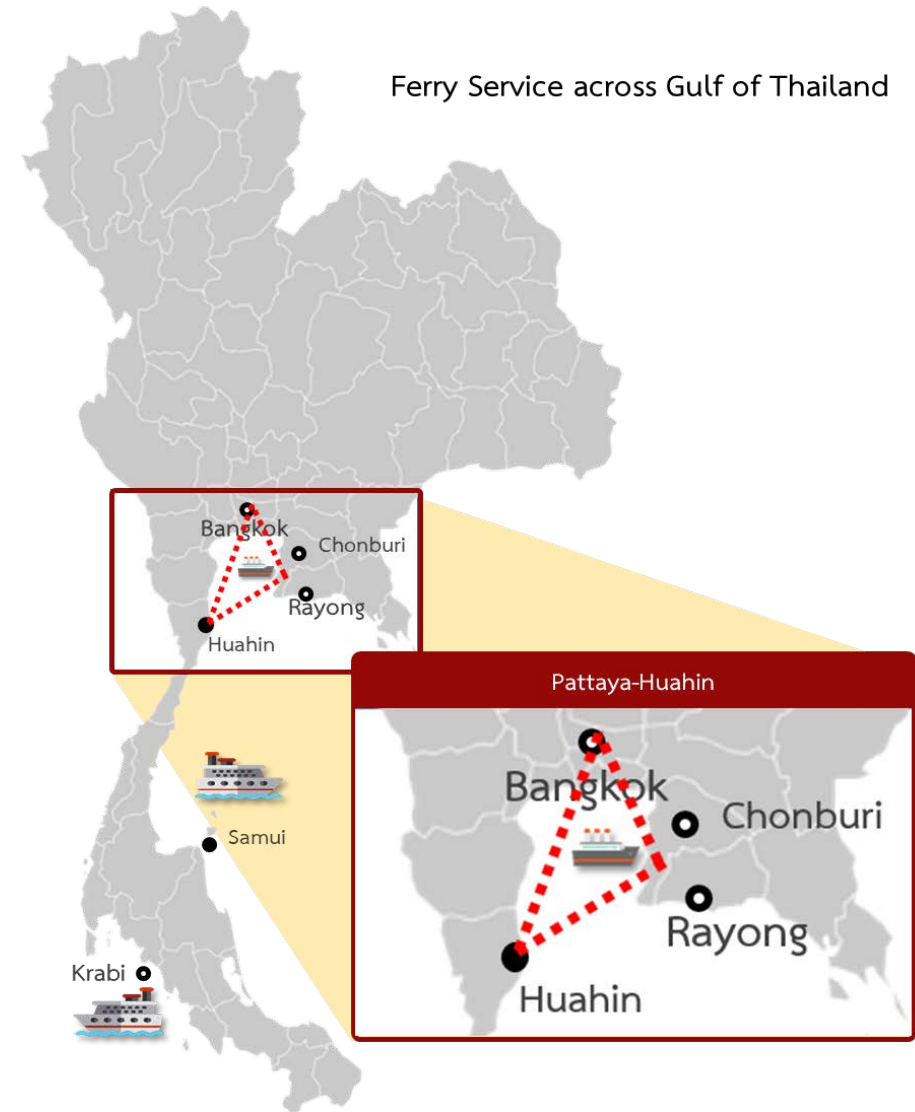
	Completion
 Single Rail Transfer Operator (SRTO), Laem Chabang	2018
 Coastal Port Dev. (Terminal A)	2018
 Laem Chabang Phase III	2020





Future : Maritime Transport

	Completion
 Single Rail Transfer Operator (SRTO), Laem Chabang	2018
 Coastal Port Dev. (Terminal A)	2018
 Laem Chabang Phase III	2020
 Ferry Service across Gulf of Thailand	2023





Future : Maritime Transport

Completion

	Single Rail Transfer Operator (SRTO), Laem Chabang	2018
	Coastal Port Development (Terminal A)	2018
	Laem Chabang Phase III	2020
	Ferry Service across Gulf of Thailand	2023
	Development of Ferry Terminal Krabi/Samui, Surat Thani	2024



Ferry Terminal





Future : Air Transport

- ✈ • Suvarnabhumi International Airport
- ✈ • Don Muang International Airport
- ✈ • Mae Sot Airport
- ✈ • Bae Tong Airport
- ✈ • Sakon Nakhon Airport
- ✈ • U-Tapao International Airport








Suvarnabhumi Airport Development Plan

Development Plan 2nd Phase (Project cost 1,785.80 US M. approved by Cabinet)

- Midfield Satellite Building (SAT) 1 and 2
- Passenger Terminal

Passengers Capacity Current capacity : accommodate 45 mil

passengers/ Million passengers

3 rd Stage (2021)	Accom. 90 mil passenger/year		449,044 Flights/years
4 th Stage (2026)	Accom. 105 mil passenger/year		504,316 Flights/years
5 th Stage (2030)	Accom. 120 Million/year		561,332 Flights/years



Eastern Economic Corridor Development (EEC)

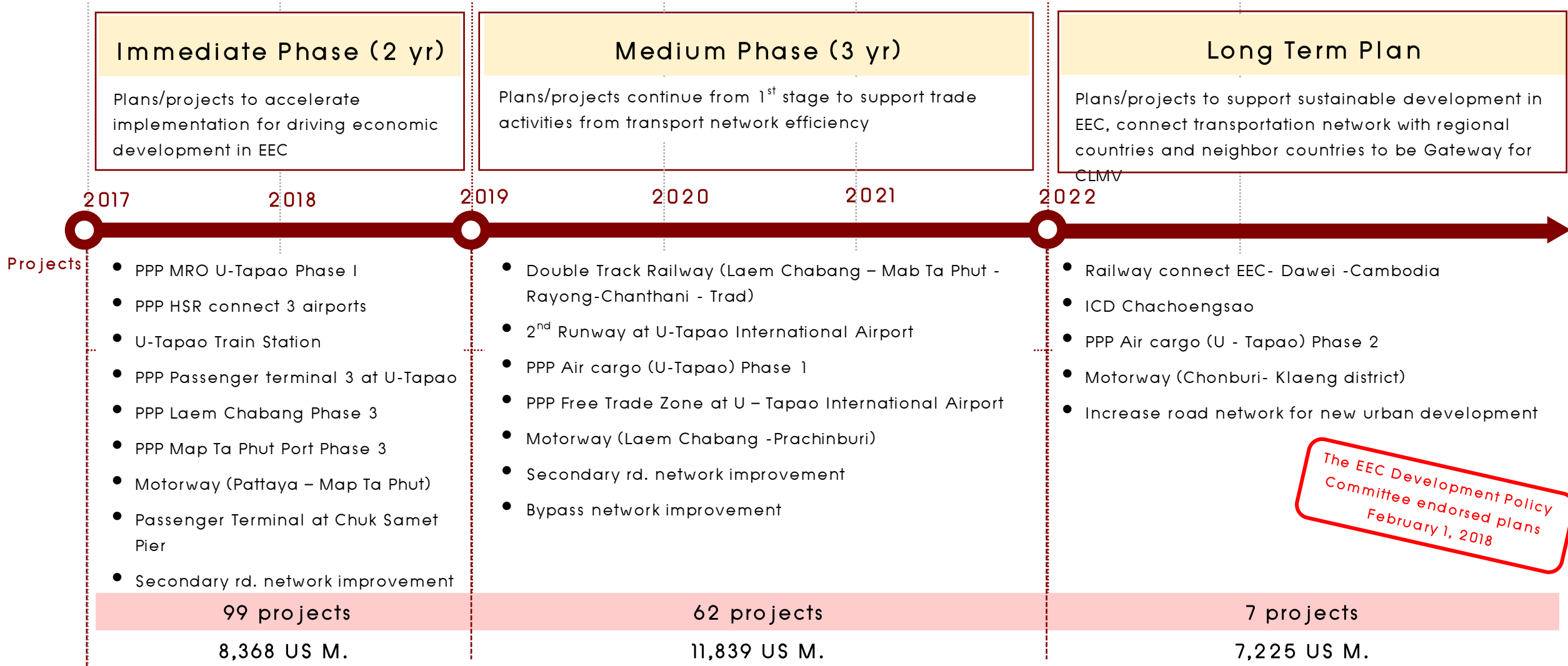


Infrastructure Development and Transport Network Connectivity





Development Plan : 3 Phases

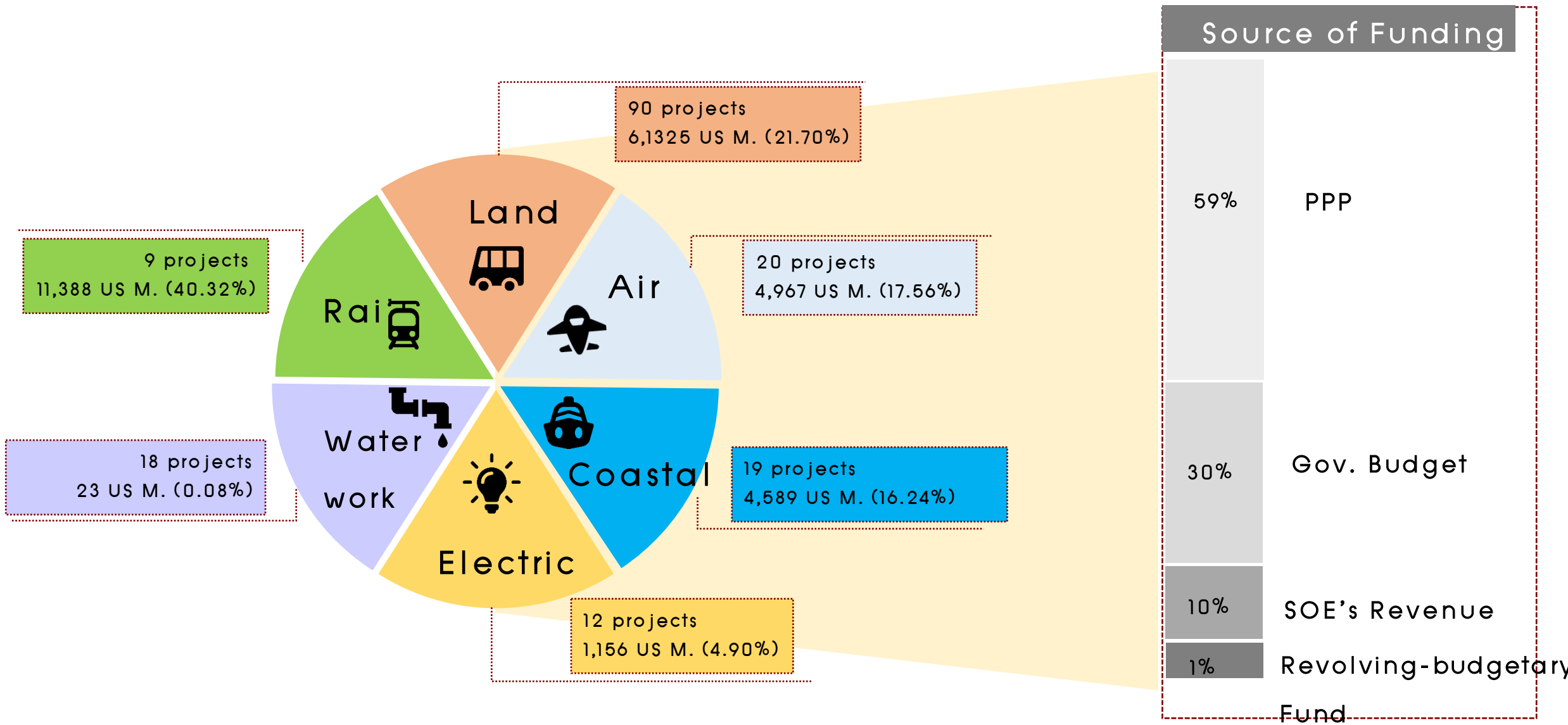


The EEC Development Policy Committee endorsed plans February 1, 2018

168 projects with total investment cost 27,432 US M.



6 Plans 168 Projects



Eastern Economic Corridor Development



สัญลักษณ์ในแผนที่

- ทางหลวงพิเศษ
- รถไฟความเร็วสูง
- ทางรถไฟรางคู่
- ท่าอากาศยาน
- ท่าเรือ



High Speed Rail: Bangkok-Ra Yong
 Linking 3 International Airport
 Don Muang – Suvarnabhumi - U Ta Pao
 Accomodate 100,000

Double Track Railway
 Chachoengsao-Khlong 19-Kaeng Khoi
 Connecting industrial area &

Motorway No. 7 Bangkok – Ban Chang: Pattaya – Mab Ta Phut (32 km)
 To support related industries between Laem Chabang – Map Ta Phut & U-Tapao International Airport
Motorway No. 61
 Laem Chabang – Nakhon Ratchasima 288 km
Motorway No. 72
 Chonburi-Trad 216 km

Laem Chabang Deep Sea Port
 To accommodate 18 M. TEU/year
 To accommodate 3 M. exported car units/year
 To rank world's no. 10 port
Map Ta Phut Port
 To serve 10,285.7 US M. investment in petrochemical over the next 5 years
Sattahip Port
 To accommodate 3 M. investors & tourists/year

U-Ta Pao International Airport
 Accomodate more than 3 mil passenger/yr
 Aerotropolis on area 575 Rai

การบูรณาการเชื่อมโยงด้านโครงสร้างพื้นฐานและการดึงดูดนักลงทุน

ฉะเชิงเทรา ชุมชนนำอยู่มาตรฐานโลกรองรับกรุงเทพฯ

การเชื่อมโยงพื้นที่
ชายฝั่งทะเลตะวันออกกับอนุภูมิภาค

ชลบุรี-ศรีราชา
เมือง/ศูนย์กลางการศึกษา
นานาชาติ รองรับ
อุตสาหกรรมรถยนต์อนาคต/
อิเล็กทรอนิกส์อัจฉริยะ:

ระยอง
เมืองนานาชาติมาตรฐานโลก
นำอยู่ที่สุดในอาเซียนธุรกิจ
ทันสมัยวิจัยด้านอาหาร
และไบโอไฮโคโม่มี

ท่าเรือแหลมฉบัง
ท่าเรือระดับโลก
เชื่อม AEC จีน-อินเดีย

พิกษา-สัตหีบ-ระยอง
เขตท่องเที่ยวภาคตะวันออก
(เชิงธุรกิจ-ครอบครัว-สุขภาพ)
นำโดยสนามบินพิกษาอู่ตะเภา

สนามบินอู่ตะเภา ท่าเรือจุลเสมีด
ศูนย์กลางคมนาคม
ถนน-เรือ-เครื่องบิน-รถไฟความเร็วสูง
ศูนย์ธุรกิจการบิน
(ซ่อม-ส่งสินค้า-พัฒนาคน)

- เชื่อมโยงท่าอากาศยาน 3 แห่ง(สุวรรณภูมิ ดอนเมือง และอู่ตะเภา)
- เชื่อมโยงการคมนาคมขนส่งทางถนน ทางราง ทางเรือ และทางอากาศ
- พัฒนากำเรือ
- เพิ่มศักยภาพการท่องเที่ยวทางทะเลการเชื่อมโยงกับ
ท่าเรือท่องเที่ยว 2 ฟังทะเลอ่าวไทยและอันดามัน

เขตเศรษฐกิจพิเศษเกาะก่ง

เขตเศรษฐกิจพิเศษทวาย

เขตเศรษฐกิจพิเศษสระแก้ว

เขตเศรษฐกิจพิเศษตราด

กรุงเทพฯ

ชลบุรี
ฉะเชิงเทรา
จันทบุรี

เสียมราฐ

กัมพูชา

พนมเปญ

สีหนุวิลล์

โฮจิมินห์

เวียงเตา

น่านคาย

เวียดนาม

เกนออน

ไทย

สปป.ลาว

อ่าวไทย

Thank you

