



EEC actions for realizing Thailand 4.0

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Thailand 4.0 | Transforming towards a Value-Based Economy



Thailand 4.0 aims to cast a more robust response to the economic challenges faced by past economic development models

The bigger goals that Thailand is pushing itself towards are economic prosperity, raising the social well-being of its society and transforming its people to be ready for the 21st Century while making the environment a priority

More for Less

- Commodities
- Industries
- Trade in Goods



Less for More

- Innovation
- Technology
- Trade in Services



Circular Economy

Eastern Economic Corridor

THE PRIME GATEWAY TO ASIA

Transforming Thailand 4.0

EEC Area Development
3 Eastern Provinces

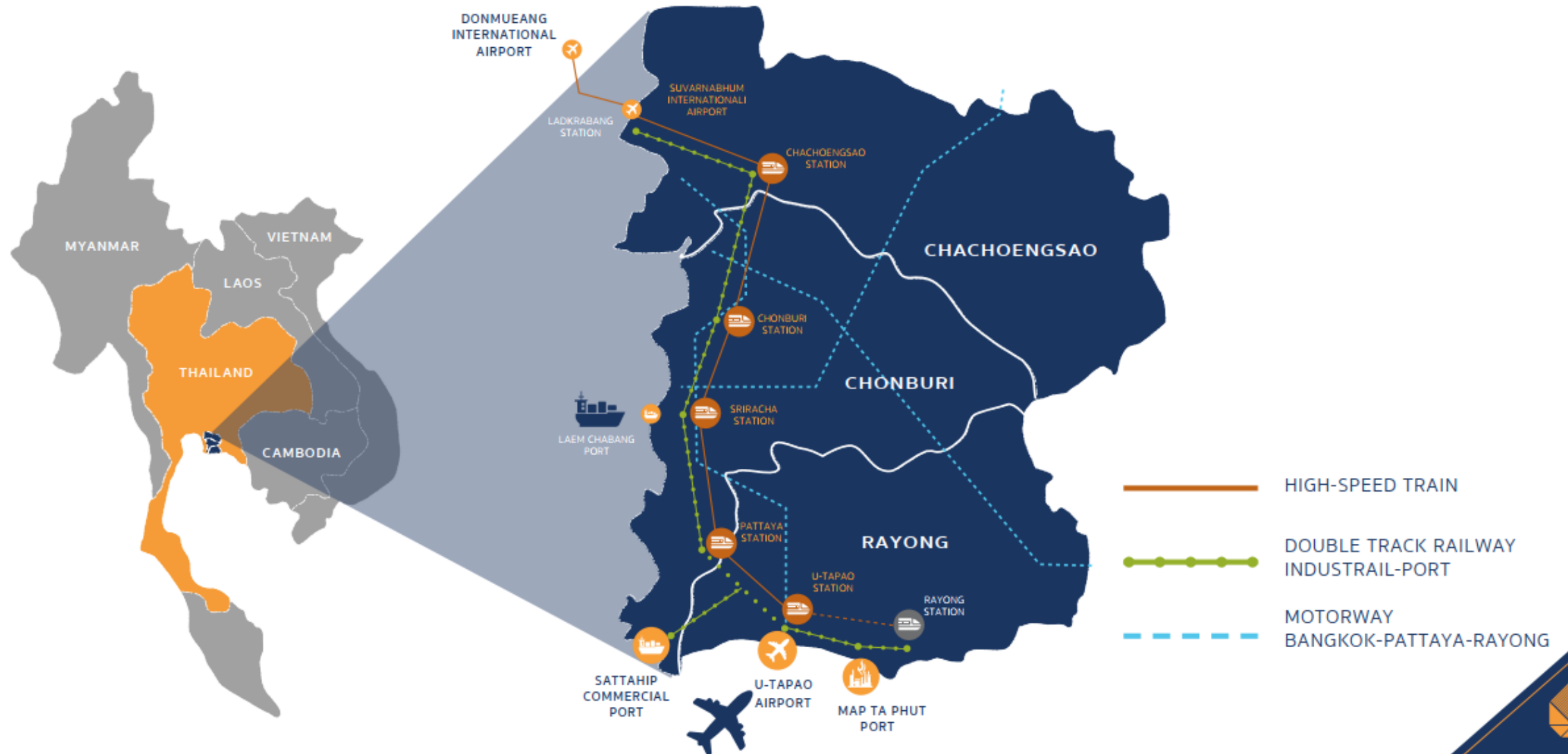
Great Connectivity
CLMV, ASEAN, ASIA

Comprehensive area development :

- ▶ Integrated Infrastructure
- ▶ Tourism
- ▶ Technology and innovation
- ▶ Education and human resource development
- ▶ Digital Infrastructure
- ▶ Environment
- ▶ Land use plan and Smart City Development
- ▶ One-stop Services

Complete Strategic Location

Creating an Inclusive Environment



EEC Mission

Modern infrastructure

- Physical infrastructure
- Digital infrastructure

12 Targeted industries

- 5 First S-curve industries
- 7 New S-curve industries

New way of life

- Tourism
- City development

Covered aspects

- Education/Health/Environment
- Basic public utilities/
community development

The development of
the U-Tapao international airport
(\$ 5.7 billion)



The development of
the Map Ta Phut Industrial Port Phase 3
(\$ 0.3 billion)



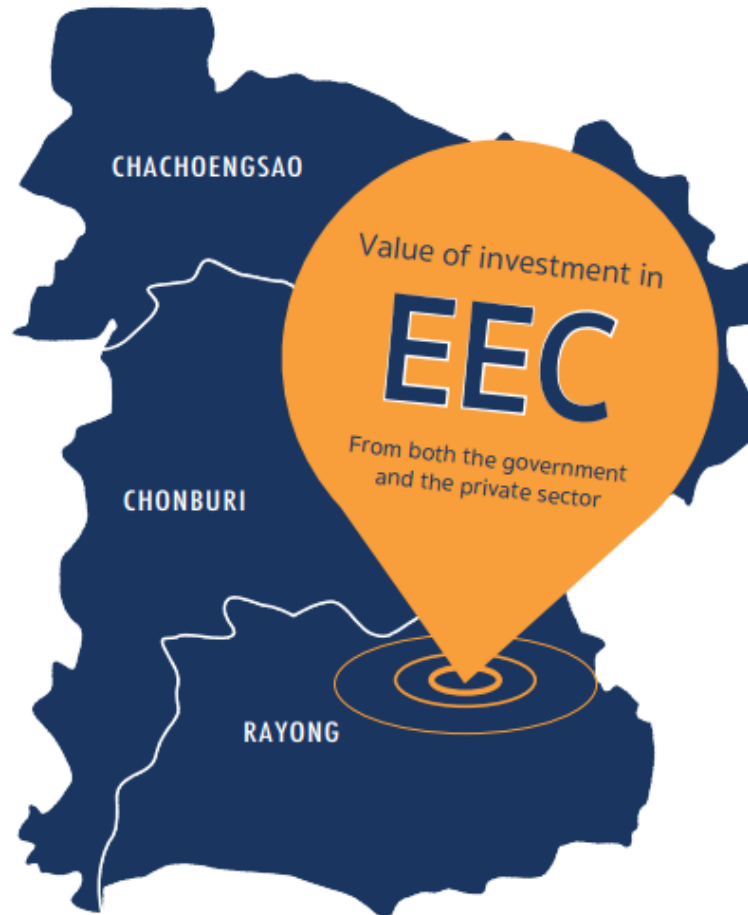
The development of
the Laem Chabang Port Phase 3
(\$ 4.2 billion)



The High-Speed Rail
(\$ 5.7 billion)



The Double-Track Railway
(\$ 1.8 billion)



The development of smart city
(\$ 11,500 million)



The development of
the tourism industry
(\$ 5.7 billion)



Investment in
the targeted industries
(\$ 14,000 million)



Intercity Motorway
(\$ 1 billion)

≈ **1.7 Trillion THB** (\$50 billion)
in the first 5 years (estimated)

* 1 USD = 34.78 THB

12 Targeted Industries

Promoting Advanced Technology and Innovation

First S-Curve



Next-generation
Automotive



Intelligent
Electronics



Advanced Agriculture
and Biotechnology



Food for
the Future



High-value and
Medical Tourism

New S-Curve



Automation and
Robotics



Aviation
and Logistics



Medical and
Comprehensive
Healthcare



Biofuel
and Biochemical



Digital



Defense
Industry



Education and Human
Resource Development

Land Use Map

in the EEC Area

Land use map focuses on the development and conservation of natural resources and the environment. Planning to support the development of the EEC area in the future for 20 years (2017 - 2037), the area of 3 provinces, namely Chonburi, Rayong and Chachoengsao, with an area of 8,291,250 rai, total population of 6.006 million people.

Urban and Community Development 1,096,979 rai (13.23%)

- Commercial Center
- Urban Area
- City Development
- Promoted Zones for Specific Industries EECa , EECd , EECh , EECi and EECmd

Industrial Area Development 424,854 rai (5.12%)

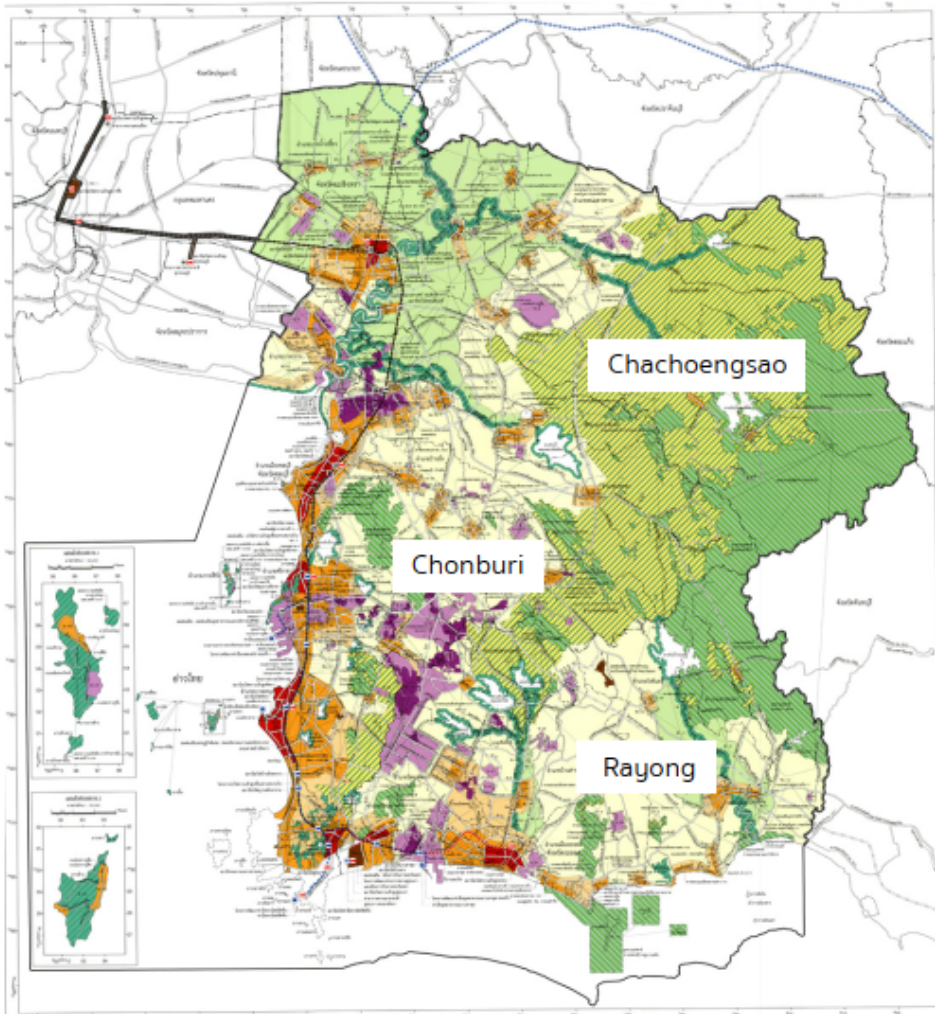
- Promoted Zone for Target Industries
- Industrial Development Land

Agricultural Area Development 4,850,831 rai (58.51%)

- Rural Community
- Agricultural Promotion Land
- Royal Decree Designated as Land Reform Zone

Natural Resources and Environment Conservation 1,678,753 rai (20.25%)

- Forest Conservation
- Open Land for Environmental Preservation



EEC Green Plan | (Phase I 2018 - 2021)

(4) Land use and natural resource management

1. **Restoring forest areas**, river, soil, and biodiversity.
2. Manage **water resources** to ensure reliable water supply for industrial production-related purposes.
3. Conserve and restore **marine and coastal resources**.

Strategy 4:
Effective management of natural resources

Strategy 1:
Effective management of environmental quality

(1) Pollution control

1. **Treat/Eliminate waste** and control pollution from the sources.
2. Prevent and **reduce risks** related to chemical accidents.
3. Increase the effectiveness of **environmental impact assessment**.

EEC
Green
Plan

Strategy 3:
Promoting participation and establishing accountability of society for the environment

Strategy 2:
Promoting good environmental quality in communities

(2) New city development

1. Promote the increase of green spaces and the development of **environment-friendly cities**.
2. Plan the **use of land** and develop **city infrastructures**.

(3) Social awareness

1. Promote **environment-friendly** production, services, and consumption.
2. Promote economic measures that advance causes for social and **environmental responsibility**.
3. Promote opportunities for participation by communities through **learning and communication**.

Water Management Plan

- Demand, Supply, Distribution Management
- Reducing water demand in industrial sector by 5-15% in the next 20 years

Garbage Management Plan

- Disposing waste through the utilization of integrated technology
- Promoting sustainable practices among citizens through education and law enforcement

EEC² Project : Environment Empowerment CAMP&CONTEST

- CAMP: Improving Environmental Education, Problem-Based Learning, and System Thinking
- CONTEST: Participating and establishing accountability for the environment, environment-friendly lifestyle, and local environment education center

Strategy 4:
Effective
management of
natural resources

Strategy 3:
Promoting
participation and
establishing
accountability
of society for
the environment

EEC Green Plan

Strategy 1:
Effective
management
of environmental
quality

Strategy 2:
Promoting good
environmental
quality in
communities

The Rayong Waste to Energy Model

- The Rayong Provincial Administration Organisation (RY-PAO) and Global Power Synergy Public Company Limited (GPSC)
- Approximately 500 tons of solid waste are delivered to the project per day, with around 30-40% of waste can be converted to Refused Derived Fuel

Smart City Development : Ongoing

Livable Smart City Concept:
7 Smart 5 Livable
4 Thainess + Digital City Data Platform

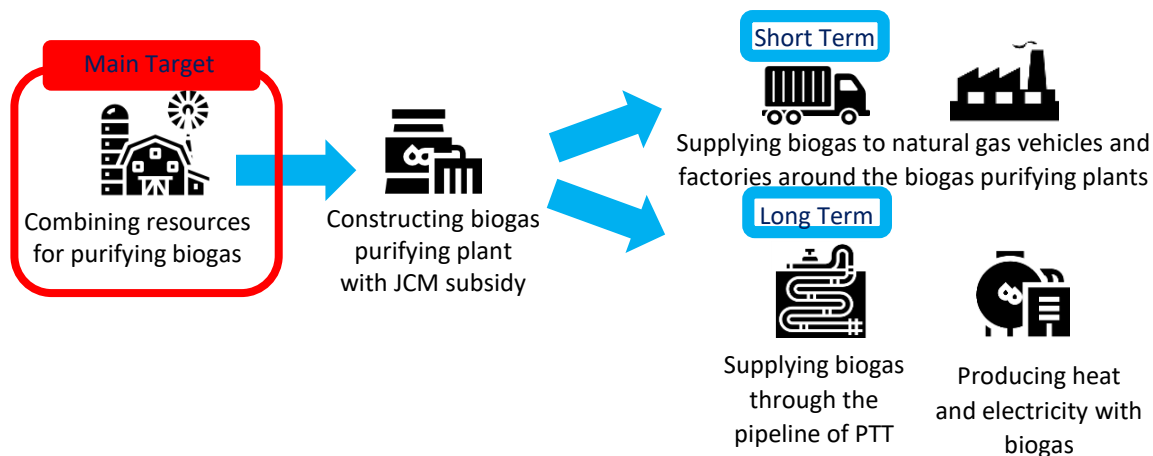
Collaboration under Joint Crediting Mechanism (JCM)

Concept of collaboration under JCM:

Osaka city Government plans and promotes **high-efficiency energy saving technologies (Air Conditioning)**, **renewable energy and transport infrastructure (Biogas)** under the cooperation with EEC for reduction of green house gas emission.

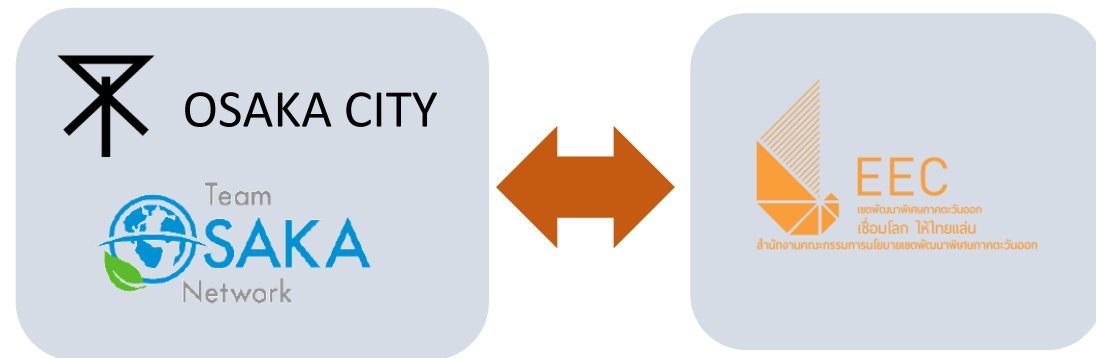
Activities under JCM (2020):

1. Feasibility Studies for **Biogas Project**



2. Feasibility Studies for **Air Conditioning Project**

- Implementation of market research
- Promotion of high-efficient air-conditioning system in Thailand



Partner consulting companies:



Benefit of JCM project:

- **Japan side**
Achieve Japan's emission reduction target and get the investment supporting scheme
- **Thailand side**
The technologies will contribute to the growth of Industries under Thailand 4.0 policy.

2020 and beyond

EEC...together with the community



1. Community Economic Development

- Support SME
- Local Tourism
- Eastern Fruit Corridor



2. Enhance Quality of Community Life

- Health
- Education



3. Community Environment

- Waste Management
- Circular Economy



Deputy Prime Minister Somkid Jatusripitak on Monday (January 6) delivered policy guidance at the Eastern Economic Corridor Office to hasten the start of investment in key infrastructure projects, support local communities and fasten the development of smart cities.

Collaboration with International Organization

Seminar during the 35th ASEAN Summit on Circular Economy, Waste Management and Sustainability

On the 1st of November 2019, EECO, in collaboration with UNIDO and TGO, hosted the seminar on Circular Economy, Waste Management and Sustainability. The seminar talked about the potential & progress in the development of EEC with regards to economic, social and environmental sustainability, based on the circular economy concept. Experience of the Thai governmental agencies and private sectors concerning waste management, green technology & innovation, and actions towards sustainability were exchanged.



Investment incentives package for investment projects in the Eastern Economic Corridor (2020-2021)

Key features	Investment Incentives	Targeted activities			
		Section 8	A1	A2	A3
1. Standard tax package	Tax holidays	10 years (no cap)	8 years (no cap)	8 years	5 years
	Human resource development programs (additional tax incentives)				
2. Investments projects which are engaged in human resource development programs	Tax holidays	2 years (no cap)	-	-	-
	50% reduction of CIT	-	3 years	3 years	3 years
Projects located in the four promoted zones for specific industries (EECi, EECd, EECa and EECmd) OR industrial estates and promoted industrial parks					
3. Investments located in EECi, EECd, EECa and EECmd Investments located in industrial estates and promoted industrial parks.	Tax holidays	1 year (no cap)	-	-	-
	50% reduction of CIT	-	2 years	2 years	2 years
	OR				
	Tax holidays	1 year (no cap)	-	-	1 years
	50% reduction of CIT	-	-	-	-

Remarks:

A1 : Knowledge-based activities focusing on R&D and design to enhance the country's competitiveness.

A2 : Infrastructure activities for the country's development, activities using advanced technology to create value-added, with no or very few existing investments in Thailand.

A3 : High technology activities which are important to the development of the country, with a few investments already existing in Thailand.

Section 8 : Technology and Innovation Development includes targeted core technology development such as development of biotechnology, nanotechnology, advanced materials technology and digital technology.



EEC

EASTERN ECONOMIC CORRIDOR
THE PRIME GATEWAY TO ASIA

