



EEC PROGRESS & SMART CITY DEVELOPMENT PLAN

30 September 2020



Eastern Economic Corridor

THE PRIME GATEWAY TO ASIA

Transforming Thailand 4.0

EEC Area Development

3 Eastern Provinces

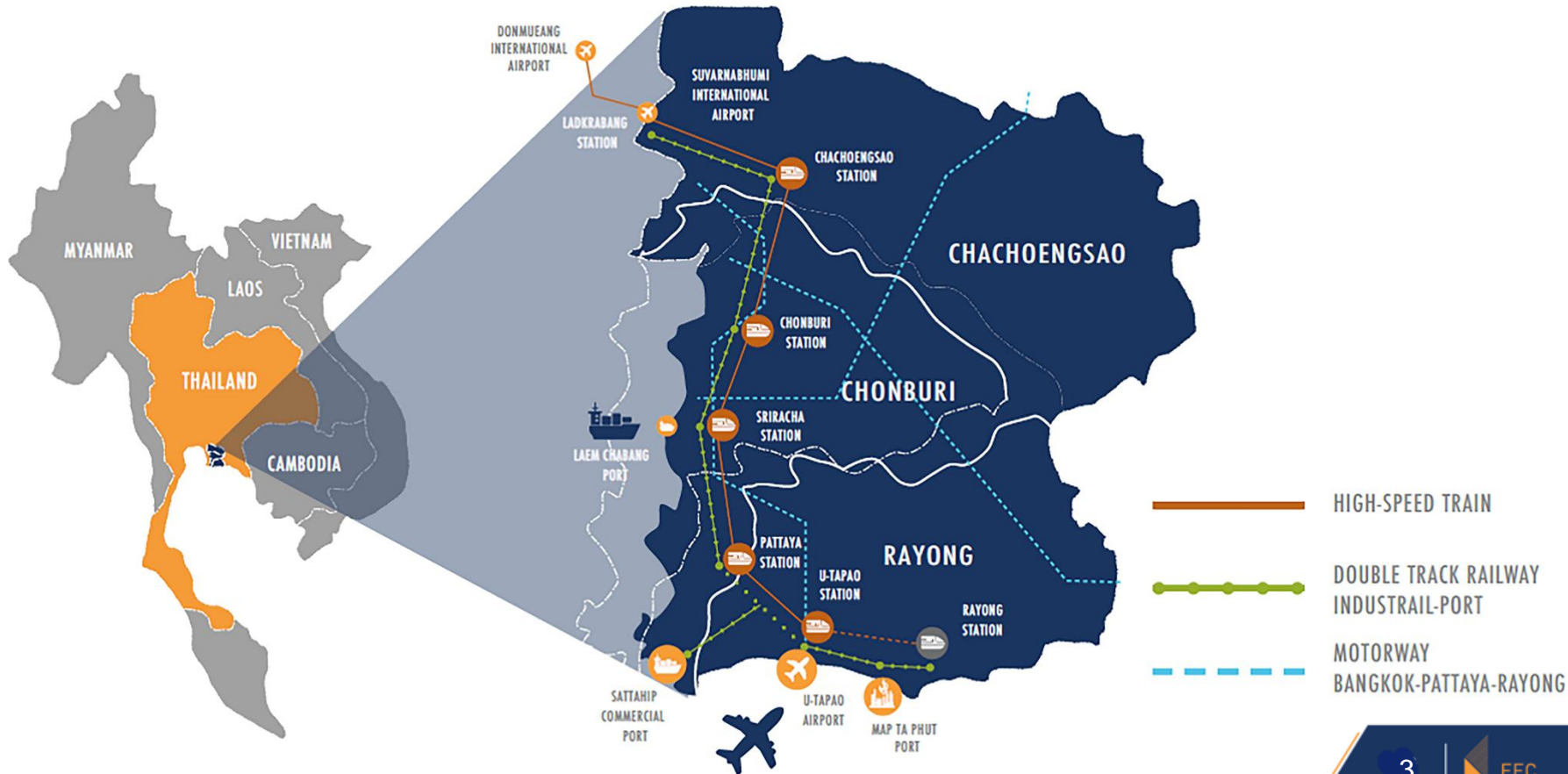
Great Connectivity

CLMV, ASEAN, ASIA

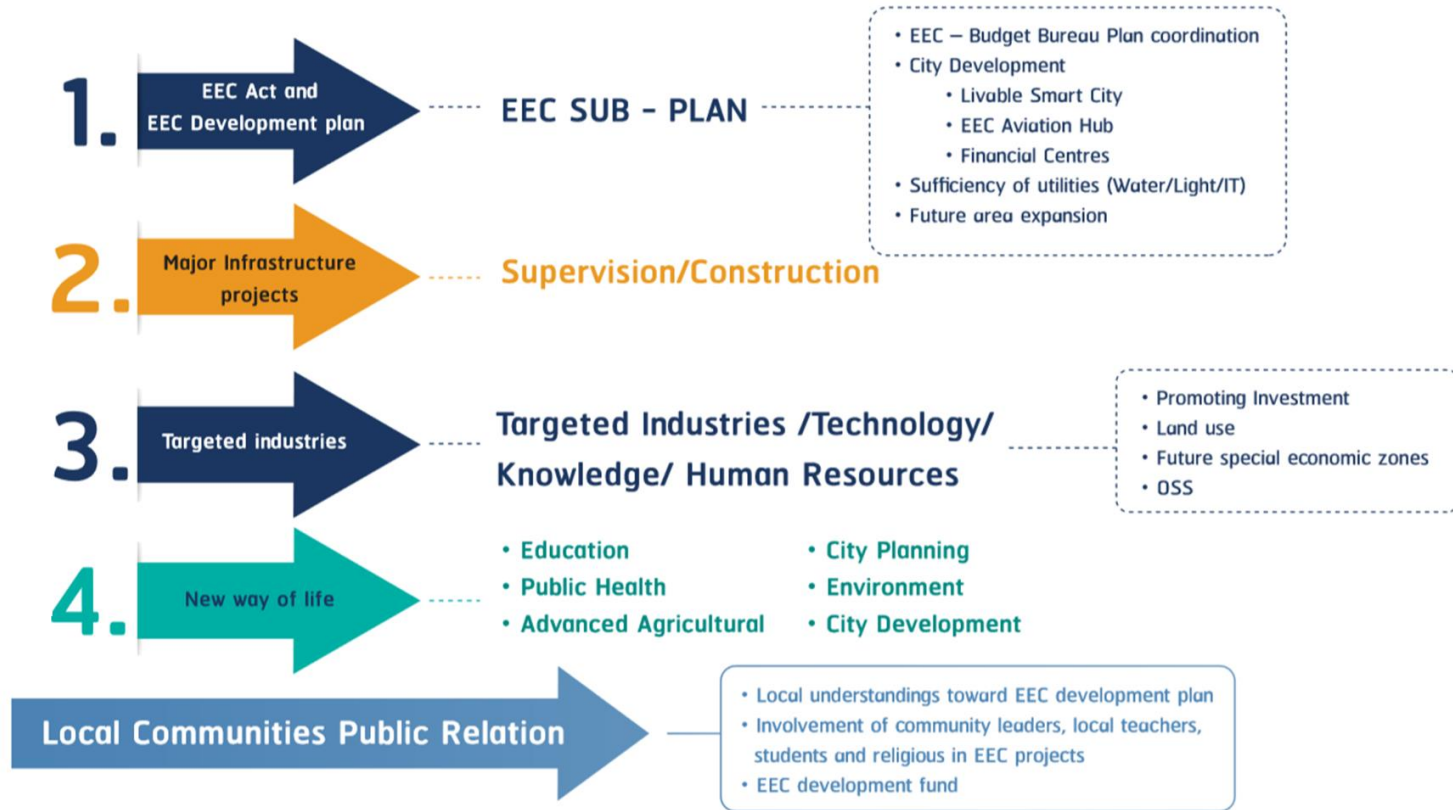
Comprehensive area development :

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

Eastern Economic Corridor (EEC)



EEC IN ACTION – CURRENTLY IN 3rd PHASE



Upgrading Transport Infrastructure in EEC

EEC's Infrastructure Development Plan

Before EEC's Plan

2018-2021
161 Projects

2022-2027
106 Projects

HSR & Double-Track Railways
ICD Before 348 km.

+222 Km.

+170 km.

740 km.

U-Tapao Airport
2 mil. ppl./yr.

60 mil
ppl./yr.

Laem Chabang Port
Capacity 11 mil. TEU/yr.

+7 mil container/year

18 mil.
TEU/yr.

Map Ta Phut Industrial Port
Capacity 16 mil. ton/yr.

+15 mil. ton/yr.

31 mil.
ton/yr.

Intercity Motorway
Previous distance 3,151 km.

+145 km.

+225 km.

3,521 km.

Total Investment

Estimated 1 tril. THB (PPP = 45%)

Don Mueang Airport

HSR Don Mueang

HSR Makkasan

HSR Suvarnabhumi

Suvarnabhumi Airport

HSR Chachoengsao

Chachoengsao

HSR Chonburi

Chonburi

HSR Sriracha

Rayong

HSR Pattaya

HSR U-Tapao

HSR Rayong

Laem Chabang
Port

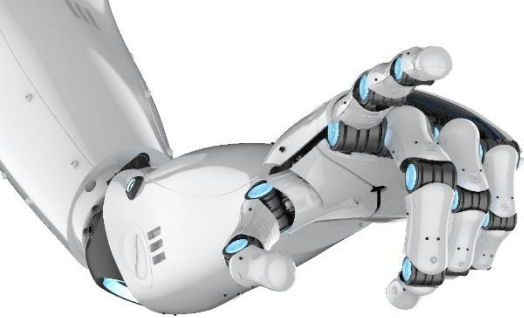
Sattahip Port

Map Ta Phut Industrial Port



U-Tapao Airport





12 TARGETED INDUSTRIES

PROMOTING ADVANCED TECHNOLOGY AND INNOVATION



ADVANCED
AGRICULTURE AND
BIOTECHNOLOGY



FOOD FOR
THE FUTURE

HEALTH



MEDICAL AND
COMPREHENSIVE
HEALTHCARE



BIOFUEL AND
BIOCHEMICAL



INTELLIGENT
ELECTRONICS

DIGITAL



AUTOMATION
AND ROBOTICS



NEXT-GENERATION
AUTOMOTIVE



DIGITAL



AVIATION
AND LOGISTICS

LOGISTICS



HIGH-VALUE AND
MEDICAL TOURISM



DEFENSE



EDUCATION AND
HUMAN RESOURCE
DEVELOPMENT

The global pandemic is accelerating global mega trends in 3 areas...

Health

Health & Safety as a
Business & Personal Priority



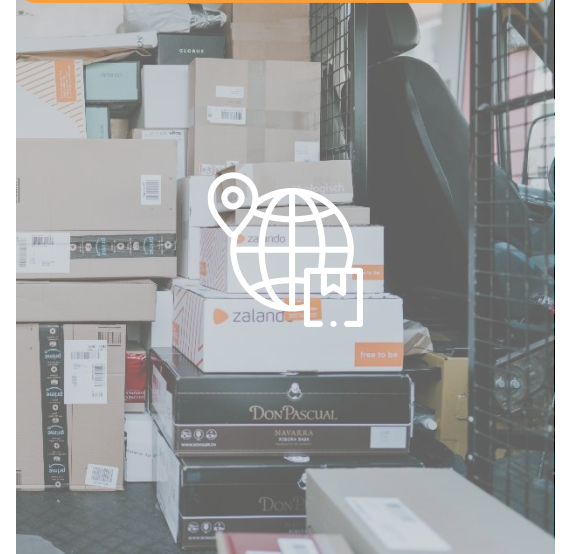
Digital

From “Digital as an Option”
to “Digital by Default”

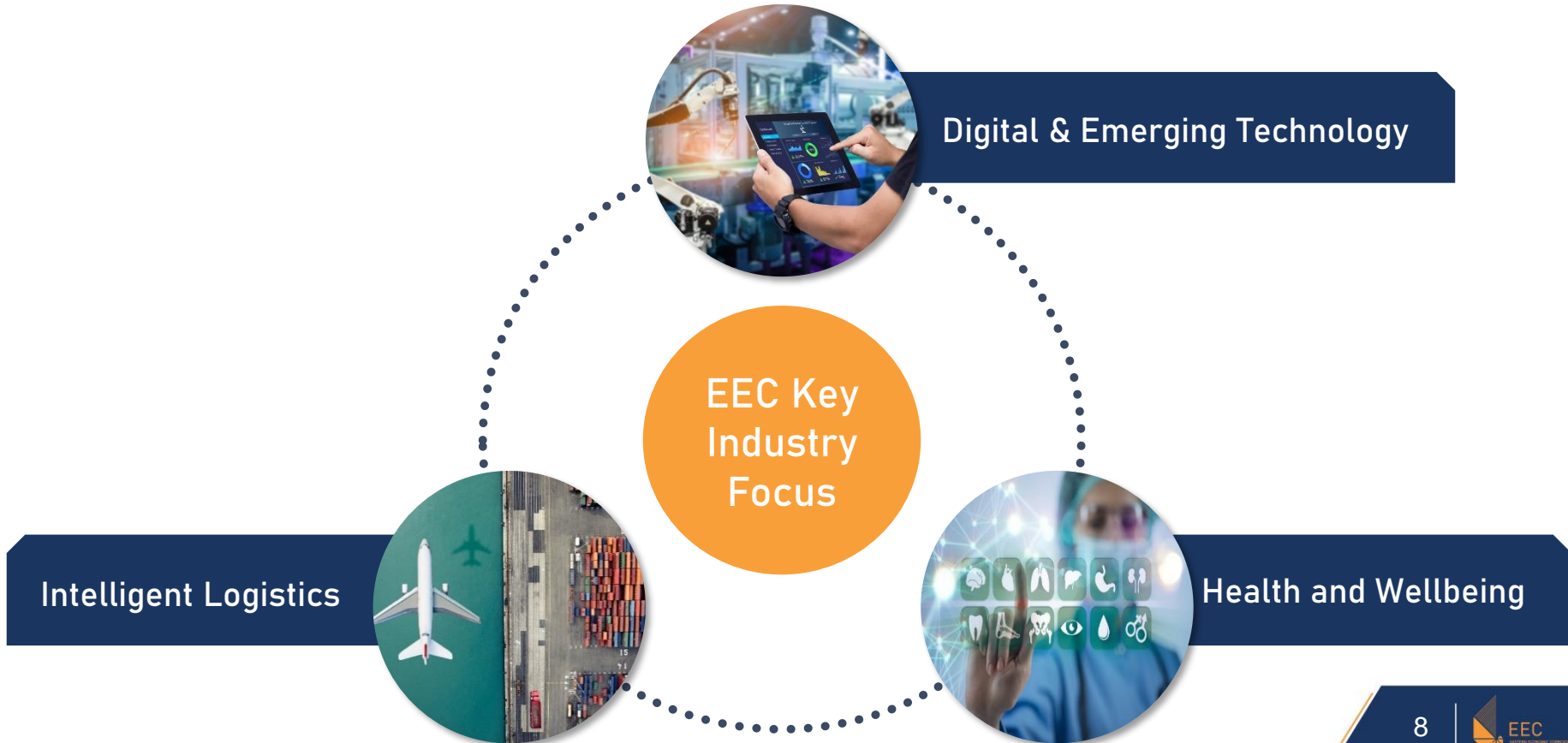


Logistics

Logistics Boom from the
Acceleration of e-Commerce



Amidst these key changes, there are 3 emerging industry clusters for potential investors in the EEC



The National Broadcasting and Telecommunications Commission (NBTC) conducted auction for 5G spectrum license (four bands) on Feb 16, 2020.

Multiband spectrum allocation
and sale to consist of 56 licences in total

**JULY
2020**

5G service



5G is the key enabler for other industries

4 emerging tech to be enhanced by 5G



Internet of Things (IoT)



Advanced Robotics



Artificial Intelligence (AI)



Augmented Reality

5G Use cases

Manufacturing



- Automation Machinery
- Connected Intelligent Devices (IoT)
- COBOT



Transportations & Logistics



- Self-driving cars
- Smart Warehouse
- Fleet Management



Healthcare



- Telemedicine / Remote Surgery
- Humanoid, Service, Therapeutic Robots
- Connected Medical Devices



Agriculture



- Precision Agriculture
- Climate Monitoring
- Traceability System



Tourism & Entertainment



- Hologram, AR, Virtual Reality
- Interactive Tourism through Sensor / IoT
- Advanced Personalization e.g. geo-intelligence



Smart City



- Smart Home and IoT Appliances
- Personalized Products / Services
- Smart Utilities





(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**.

(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**.

Strategy 2:
Promoting good
environmental
quality in
communities

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

(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**.

Concept for Smart Cities Development



5 Livable

Safety, Security, Culture, Infrastructure, Healthcare, Education



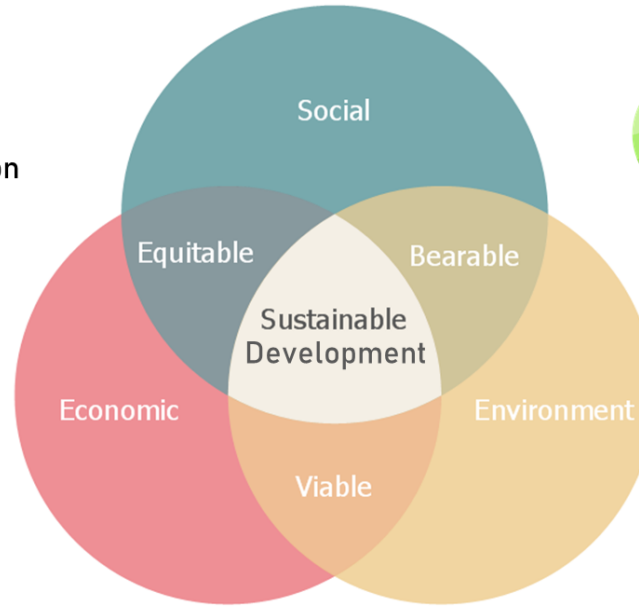
7 Smart

People, Living, Mobility, Energy, Environment, Economy, Governance
+ City data platform



4 Social

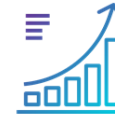
Lifestyle, Tradition, Communities
Rural-urban-multicultural societies



Goals



Low Carbon Society



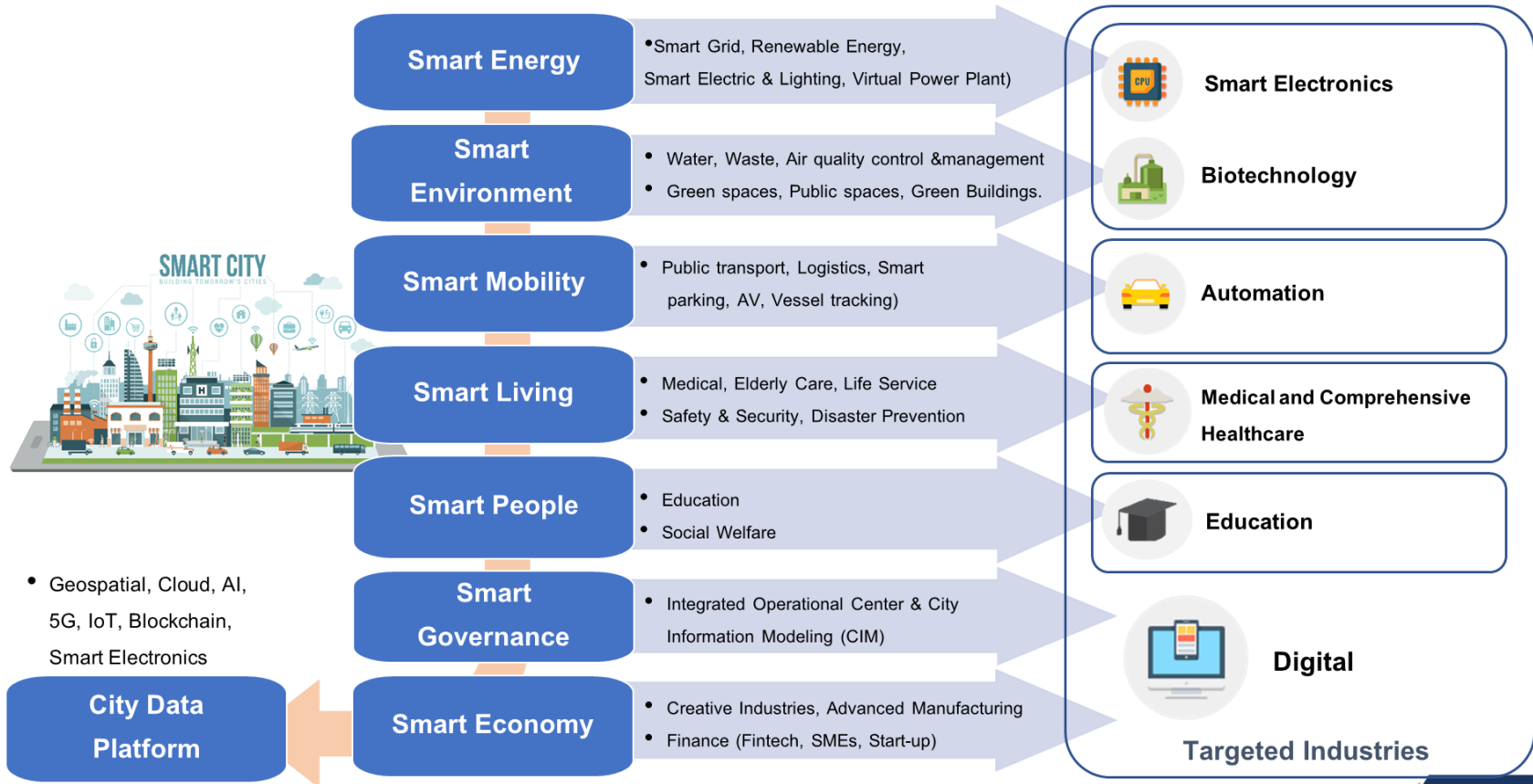
Smart Growth



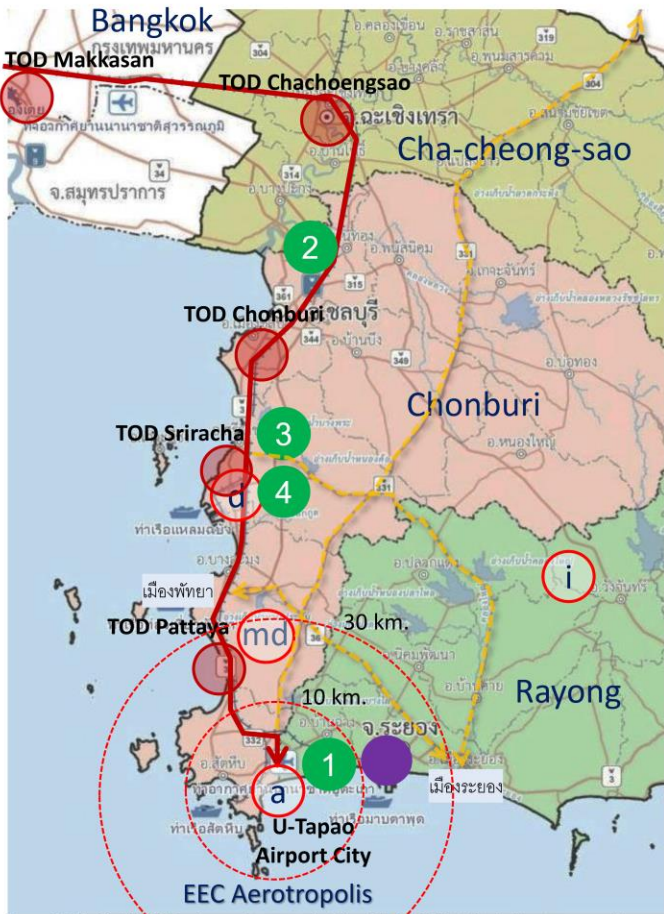
Circular Economy






Smart and Sustainable City



EEC Smart Cities



 <div>EEC EXTENSION ECONOMIC CORRIDOR TOWARD PROMOTED ZONES TO AEC3</div> <div>Promoted Zones</div>							
	Aerotropolis						
	a	EECa: U-Tapao Airport City	U-Tapao Aviation (BBS)	✓	Rayong	6,500 Rai (≈ 10.4 Km2)	Pre-construction by 2021
	d	EECd: Digital Park Thailand	MD&S, CAT		Sriracha, Chonburi	830 Rai (≈ 1.3 Km2)	Revise Planning & RFP by 2020
	i	EECi: Innovation Park Thailand	PTT, NSTDA	✓	Wangchan, Rayong	3,455 Rai (≈ 5.5 Km2)	Constructing
	md	EECmd: TU Future Center	Thammasat University		Pattaya, Chonburi	566 Rai (≈ 0.9 Km2)	Design Planning by 2020
	tbc	Livable Smart City & Financial Center	EECO	N/A	N/A	Studying	
	TOD	EECh : High-speed Rail Linked	EHSR (CP)	✓	Makkasan, Sriracha	2,000 Rai (≈ 3.2 Km2)	Pre-construction by 2021
			Smart Park	IEAT (นพอ.)	Map Ta Phut, Rayong	1,466 Rai (≈ 2.3 Km2)	Revising Masterplan
 <div>Thailand SMART CITY</div>	1	Ban Chang Smart City	Ban Chang Municipality	Ban Chang, Rayong	1,885 Rai (≈ 3 Km2)	Revise Planning by 2020	
	2	AMATA Smart City	AMATA Group + Yokohama City	Parntong, Chonburi	541 Rai (0.86 Km2)	Design Development by 2020	
	3	Sriracha Creative District (SCD)	Life & Living Co.,Ltd.	Sriracha, Chonburi	637 Rai (≈ 1 Km2)	Revise Planning by 2020	
	4	Nihon-Machi	Sahapat Group + Tokyu	Sriracha, Chonburi	715 Rai (≈ 1.1 Km2)	Revise Planning by 2020	

EEC Aerotropolis (EECa)

Extended Development Area from

U-Tapao Airport and Eastern Airport City

To support airport workers, industries and tourists

S-Curve Industrial & Logistics Corridor

Along Route 331 & 3191 including future industrial development

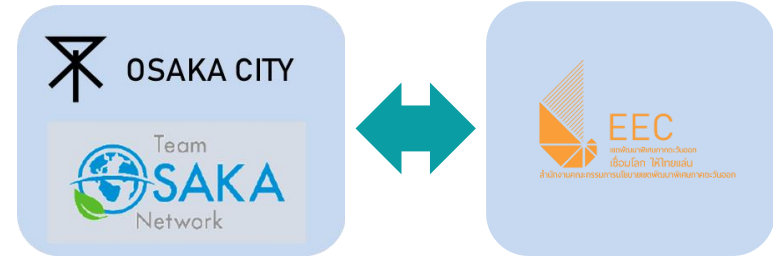
Tourism, Business Services & Urban Development Corridor
Including Chonburi, Sriracha, Pattaya, Sattahip & Ban Chang etc.



Collaboration under Joint Crediting Mechanism (JCM)

Concept of Collaboration

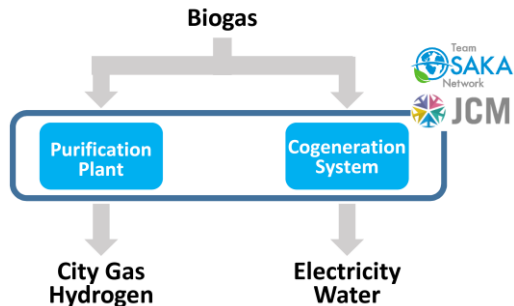
Osaka city Government plans and promotes **high-efficiency energy saving technologies**, **renewable energy** and **transport infrastructure** under the cooperation with EEC for reduction of green house gas emission.




Activities under JCM:

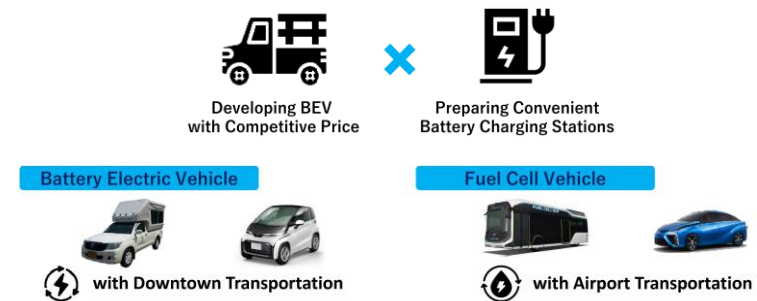
Local Partner : Pattaya City

Phase I : Promoting the efficient use of Biogas (On going)



Private company :  **OSAKA GAS**

Phase II : Mobility Project (Plan)



Private company :



TOYOTA



EEC

EASTERN ECONOMIC CORRIDOR
THE PRIME GATEWAY TO ASIA

www.eeco.or.th

