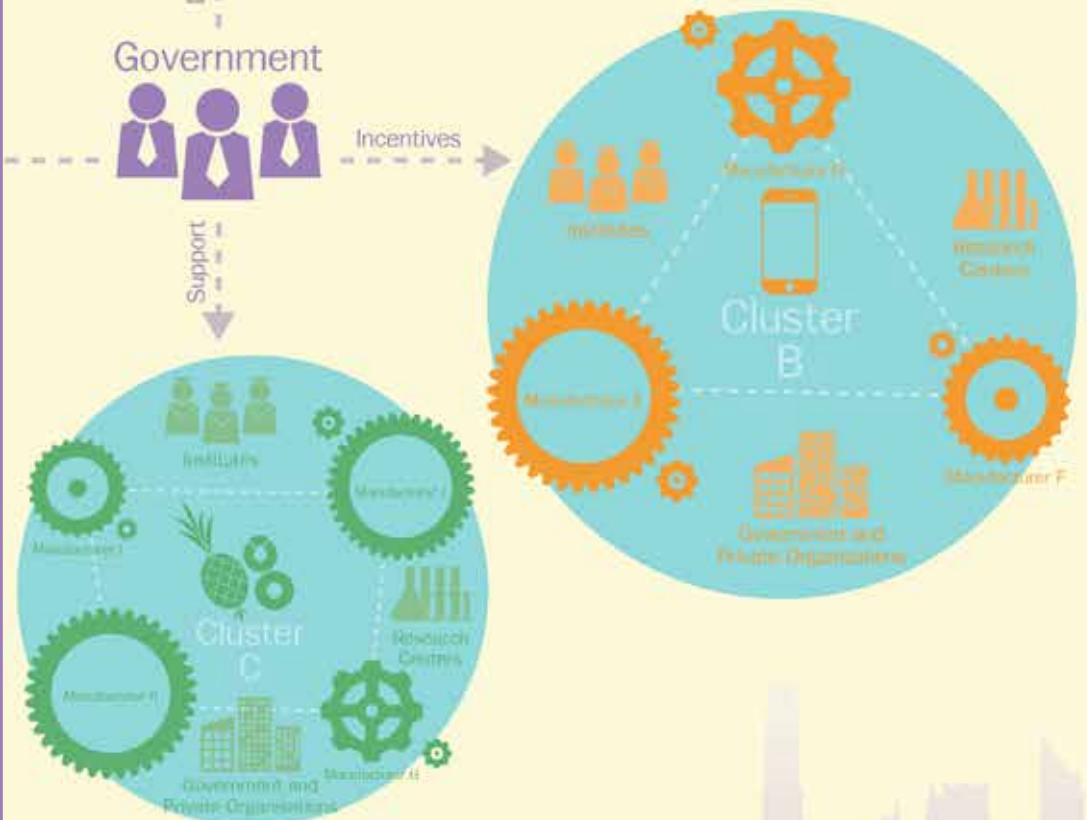
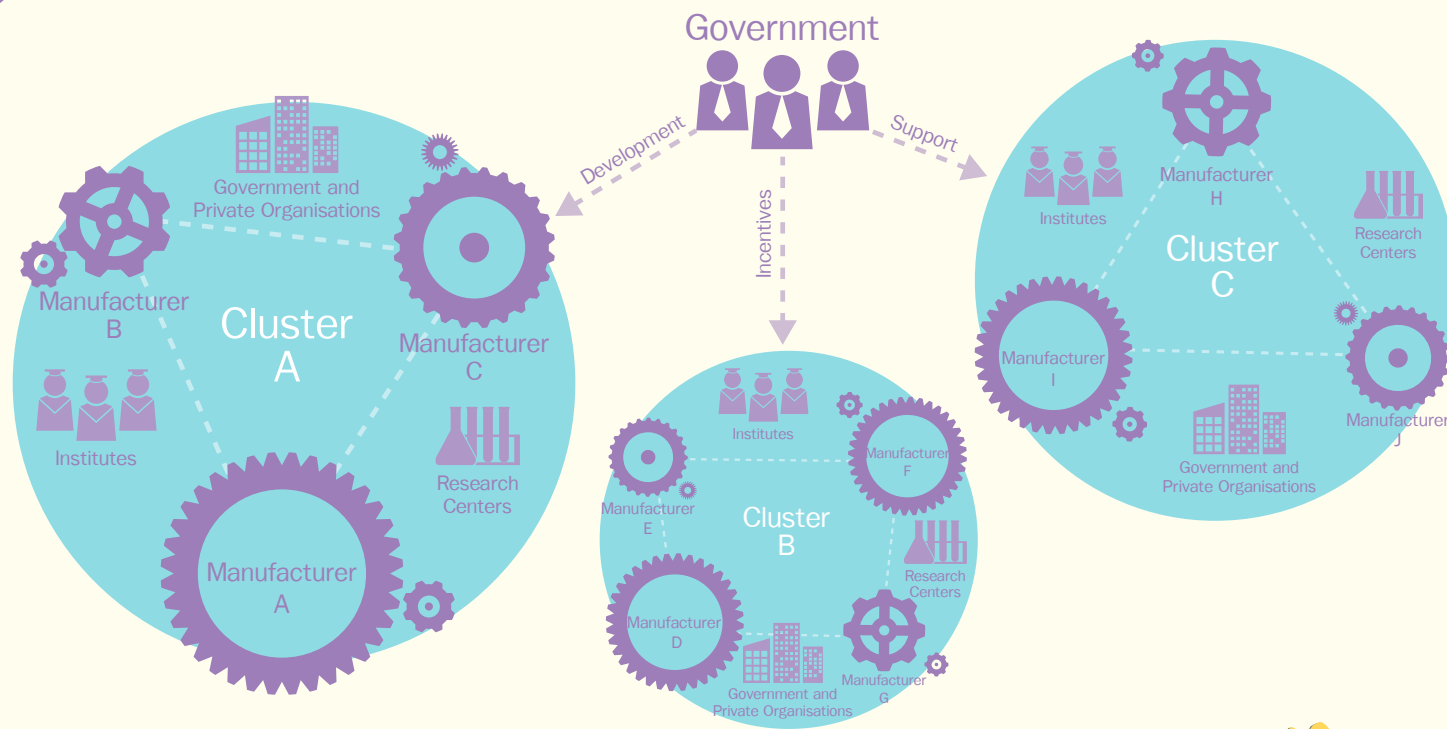


Thailand Board of Investment
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Thailand Moving Ahead with Cluster Development





Targeted Clusters in the Initial Stage

In the initial stage of the Cluster Policy, the government has targeted to develop 2 types of clusters: Super Cluster and other targeted clusters.

1. **Super Cluster** includes clusters of businesses using advanced technology, and future industry, e.g. Automotive and Parts Cluster, Electrical Appliances, Electronics and Telecommunication Equipment Cluster, Eco-friendly Petrochemicals and Chemicals Cluster, Digital-based Cluster, Food Innopolis and Medical Hub.
2. **Other targeted clusters**, e.g. Agro-processing Products Cluster, Textiles and Garment Cluster.

What is the Cluster Policy?

A cluster is concentration of interconnected businesses and related institutions that operate within the same geographic areas. The aim of promoting business clusters is to boost the level of support and cooperation in all facets of the business, both vertical and horizontal, in order to strengthen the industrial value chain, enhancing Thailand's investment potentials and competitiveness, and expand socioeconomic development to regional and local levels.

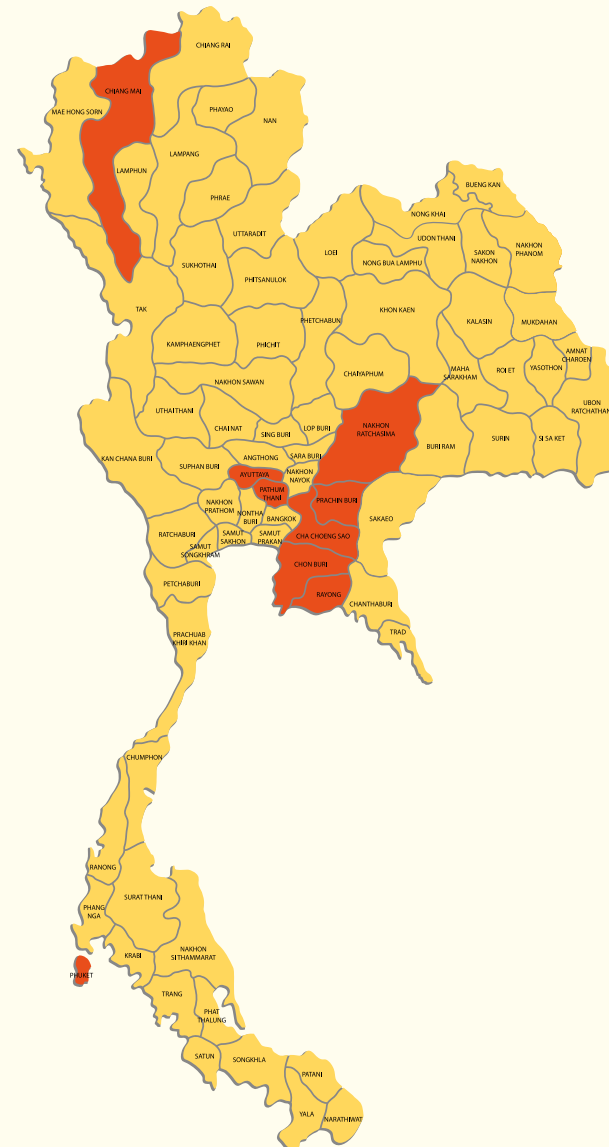
The government of Thailand has perceived the significance of cluster in the development of the nation's economy. The cabinet and the Thailand Board of Investment, therefore, proposed the Cluster-based Special Economic Development Zones Policy, or the Cluster Policy in short, which came into effect on September 16, 2015.

How the Cluster Policy Support the Investor?

The cluster development policy aims at increasing industrial competitiveness in areas with high potentials for targeted manufacture bases using advanced technology

Clusters are crucial in linking manufacturers, suppliers, supporting industries, research and academic institutions, and public and private organizations within the cluster areas. Strategic development is supported by government agencies in wide-ranging aspects, including human resources and technological developments, infrastructure development and logistics system, tax incentives and non-tax incentives, financial support, and amendments of rules and regulations to facilitate investment.

These measures not only support the cluster development and its competency in the international arena, but also give strategic advantage to investment projects in the cluster areas.



Super Cluster

Cluster for activities using advance technology and future industry e.g.

- **Automotive and Parts Cluster** (7 Provinces: Ayutthaya, Pathum Thani, Chonburi, Rayong, Chachoengsao, Prachinburi, Nakhon Ratchasima)
- **Electrical Appliances, Electronics and Telecommunication Equipment Cluster** (7 Provinces: Ayutthaya, Pathum Thani, Chonburi, Rayong, Chachoengsao, Prachinburi, Nakhon Ratchasima)
- **Eco-friendly Petrochemicals and Chemicals** (2 Provinces: Chonburi and Rayong)
- **Digital-based Cluster** (2 Provinces: Chiang Mai and Phuket)
- **Food Innopolis** (Details are to be announced)
- **Medical Hub** (Details are to be announced)

Other Targeted Clusters

Other industrial clusters with competencies e.g.

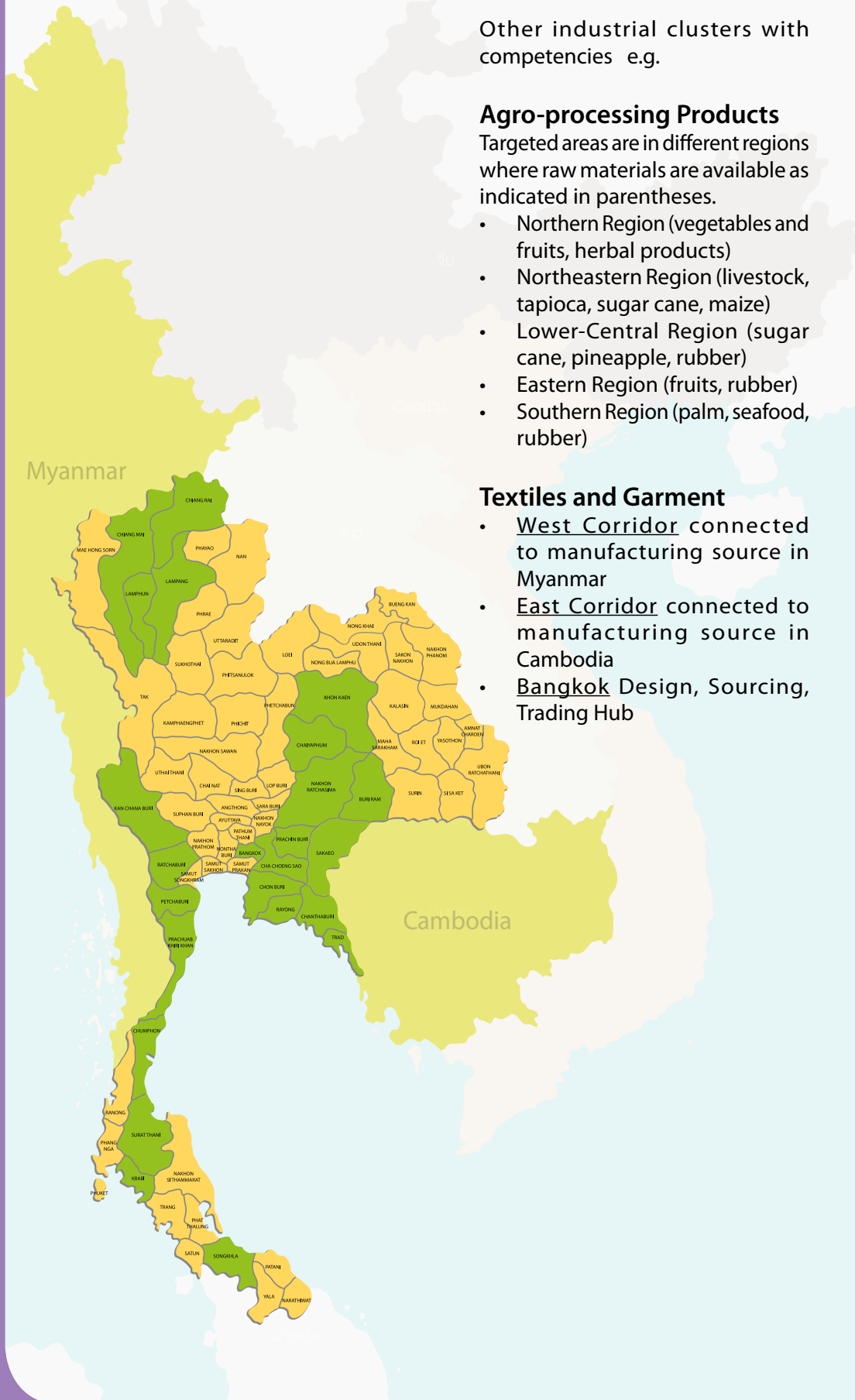
Agro-processing Products

Targeted areas are in different regions where raw materials are available as indicated in parentheses.

- Northern Region (vegetables and fruits, herbal products)
- Northeastern Region (livestock, tapioca, sugar cane, maize)
- Lower-Central Region (sugar cane, pineapple, rubber)
- Eastern Region (fruits, rubber)
- Southern Region (palm, seafood, rubber)

Textiles and Garment

- West Corridor connected to manufacturing source in Myanmar
- East Corridor connected to manufacturing source in Cambodia
- Bangkok Design, Sourcing, Trading Hub



Investment Incentives for Cluster-based SEZs

Incentives	Super Cluster	Other Clusters
Tax	BOI <ul style="list-style-type: none"> • 8-year corporate income tax exemption and an additional 5-year 50% reduction • Import duty exemption on machinery 	<ul style="list-style-type: none"> • 3–8 year corporate income tax exemption and an additional 5-year 50% reduction • Import duty exemption on machinery
	Ministry of Finance (Details are to be announced) <ul style="list-style-type: none"> • For Future industries with significant importance, the Ministry of Finance will consider granting 10-15 years corporate income tax exemption • Personal income tax exemption for international specialists to work in the specified area, both Thai and foreign 	
Non-Tax	<ul style="list-style-type: none"> • Consideration of granting Permanent Residence to the leading specialist • Permission for foreigners to own land to implement the promoted activities 	Same as Super Cluster

Approval Criteria for BOI Cluster Incentive Package

- Activity classified under eligible BOI categories
- Located in the designated provinces for each relevant cluster
- Have cooperation with academic institutions / research institutions / centers of excellence in the designated areas e.g.
 - » Talent Mobility / Work-integrated Learning / Co-operative Education / Dual systems
 - » Cooperation in development of human resource or technology as approved by the Board of Investment
- Applications to be submitted by end of 2016 and production to be started by end of 2017 (Extension may be possible if deemed appropriate.)

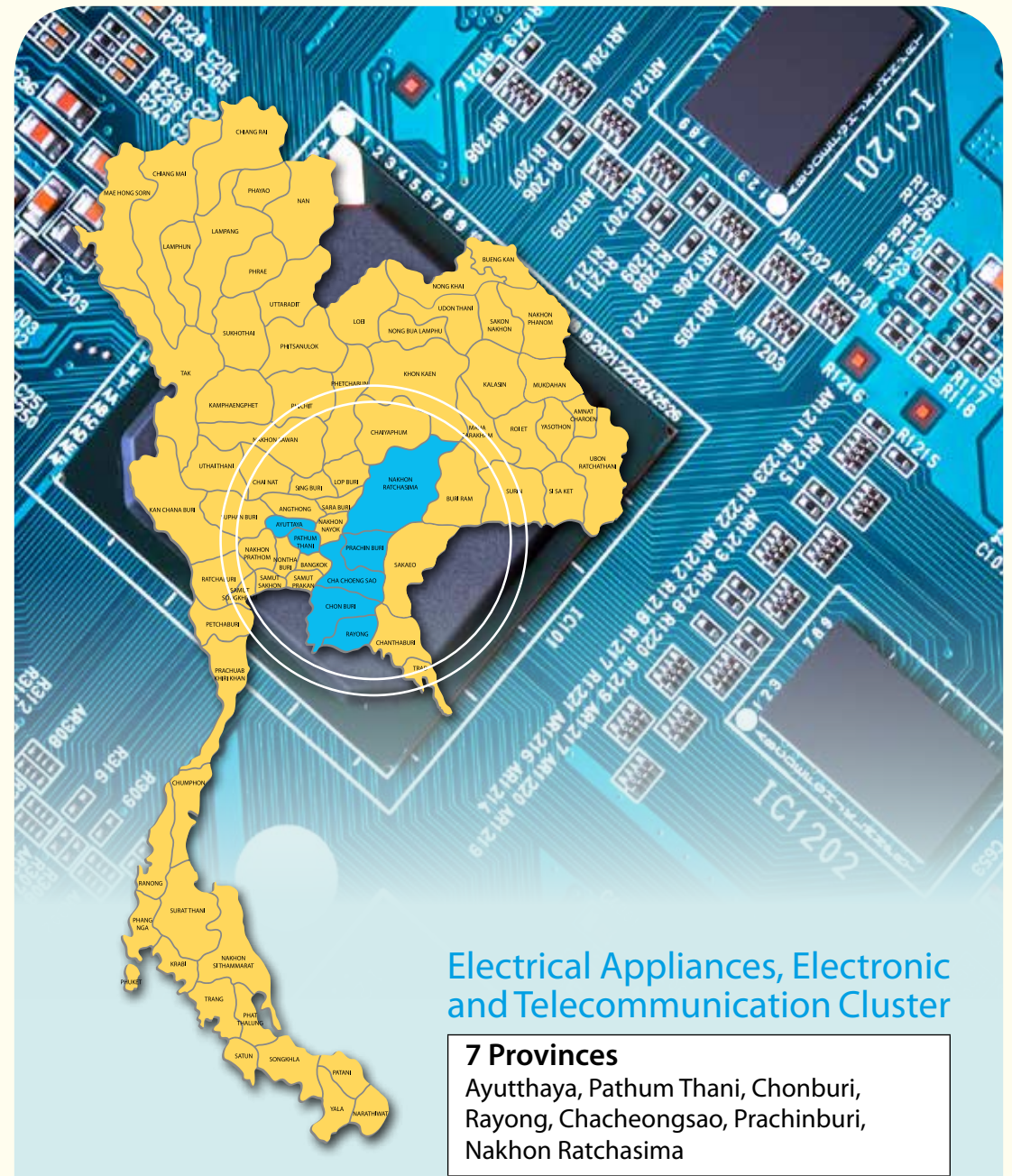
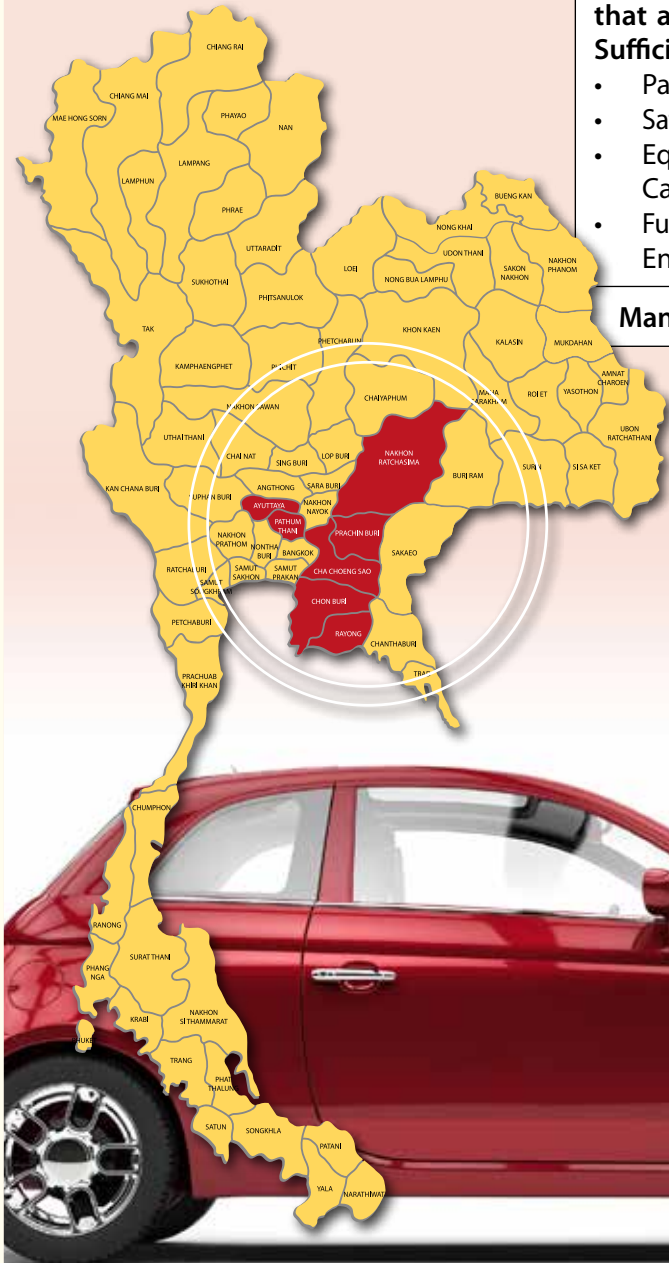
Areas and Targeted Activities in Each Cluster

Automotive and Parts Cluster

7 Provinces

Ayutthaya, Pathum Thani, Chonburi, Rayong, Chacheongsao, Prachinburi, Nakhon Ratchasima

Eligible Activities
<p>Manufacture of Motorcycle with Engine Size \geq 248 CC. (only for projects with forming of engine parts)</p>
<p>Manufacture of Automobile Engines</p>
<p>Manufacture of Important Parts that are not Locally Produced or Sufficiently Produced i.e.</p> <ul style="list-style-type: none"> • Parts using Advance Technology • Safety and Energy Efficient System • Equipment for Hybrid, EV, PHEV Cars • Fuel Injection Parts/ Transmission/ Engine System
<p>Manufacture of Automobile Tires</p>

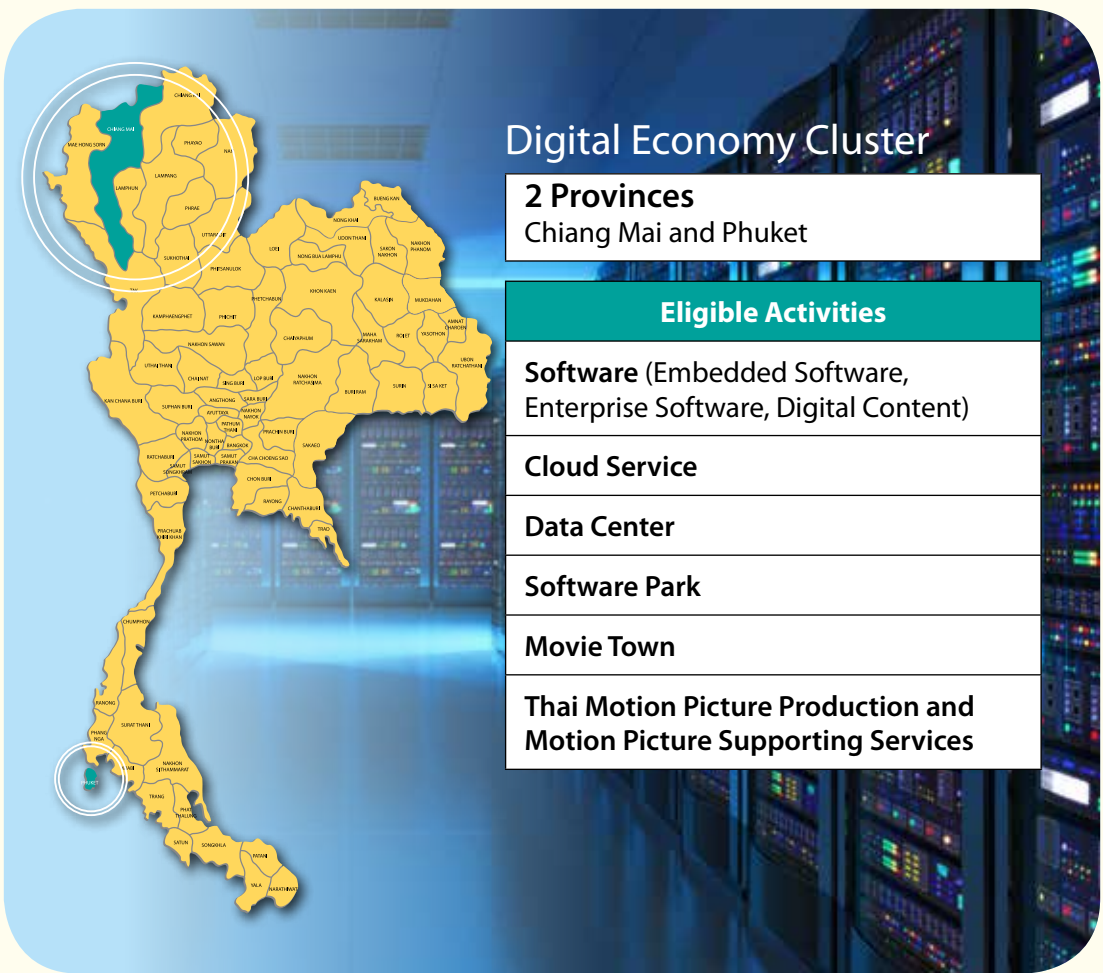


Electrical Appliances, Electronic and Telecommunication Cluster

7 Provinces

Ayutthaya, Pathum Thani, Chonburi, Rayong, Chacheongsao, Prachinburi, Nakhon Ratchasima

Eligible Activities
<p>Electronic Design e.g. Microelectronics Design and Embedded System Design</p>
<p>Electronic Products and Parts using Advance technology e.g. Telecommunication Equipment, Electronic Parts for Medical Devices / Automotive / Industrial Works, Hard Disk Drive, Solid State Drive</p>
<p>Materials for Microelectronics e.g. Wafers, Materials Based on Thin-film Technology</p>
<p>Advanced Technology Electrical Appliances e.g. Internet of Things</p>



Digital Economy Cluster

2 Provinces
Chiang Mai and Phuket

Eligible Activities

- Software (Embedded Software, Enterprise Software, Digital Content)
- Cloud Service
- Data Center
- Software Park
- Movie Town
- Thai Motion Picture Production and Motion Picture Supporting Services

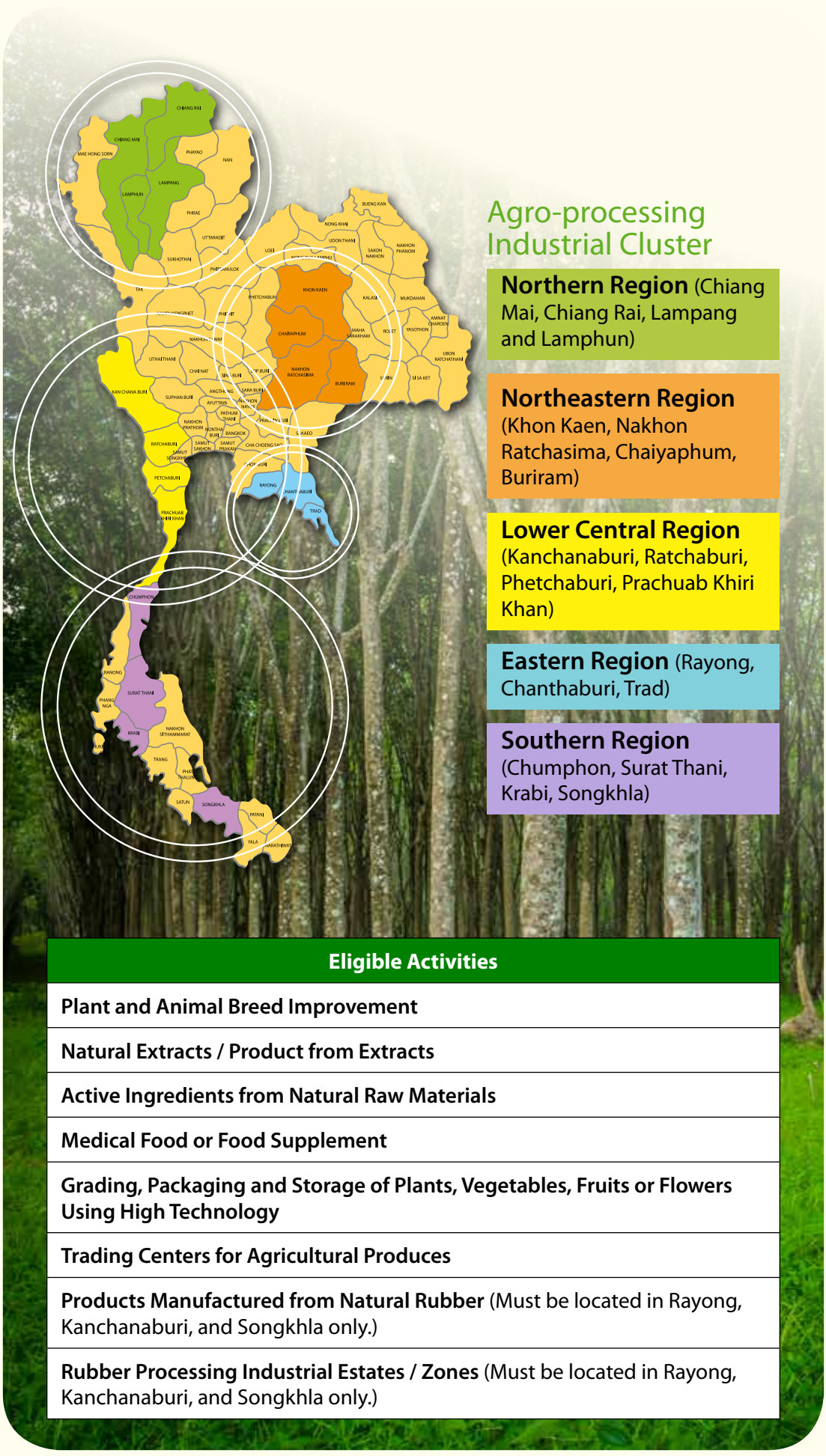


Eco-friendly Petrochemicals and Chemical Product Cluster

2 Provinces
Chonburi and Rayong

Eligible Activities

- Eco-friendly Chemicals or Polymers; or Products Made from Eco-friendly Polymers
- Specialty Polymers or Specialty Chemicals
- Bioplastic-coated Paper Packaging



Agro-processing Industrial Cluster

Northern Region (Chiang Mai, Chiang Rai, Lamphun and Lamphun)

Northeastern Region (Khon Kaen, Nakhon Ratchasima, Chaiyaphum, Buriram)

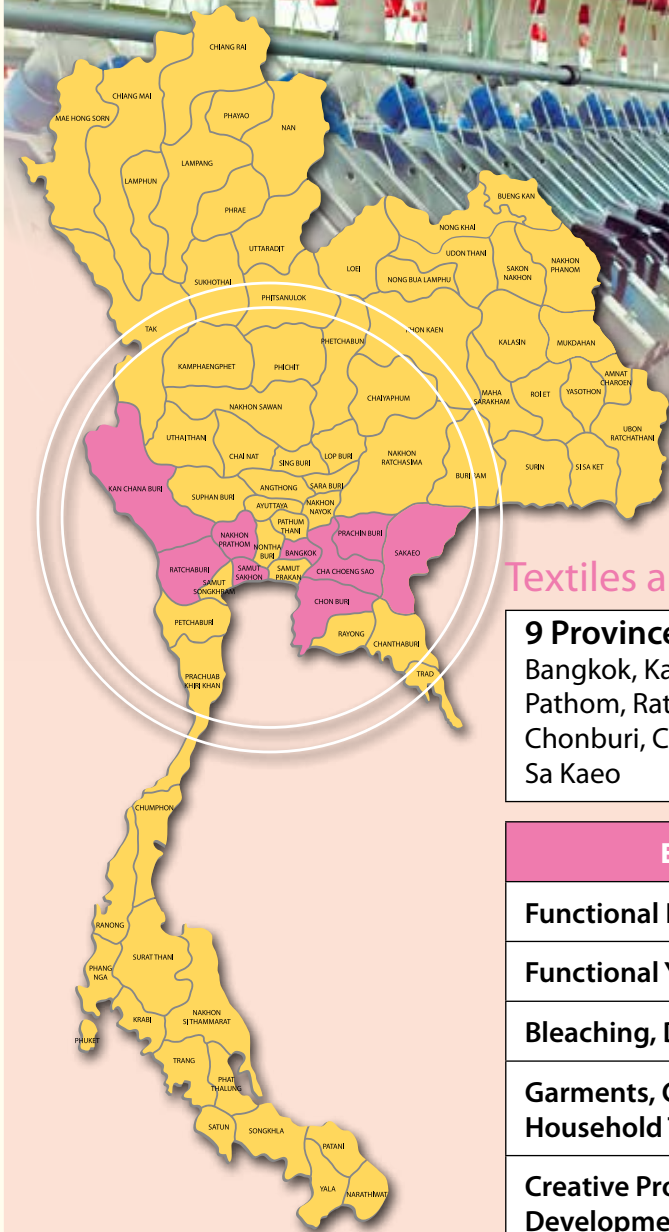
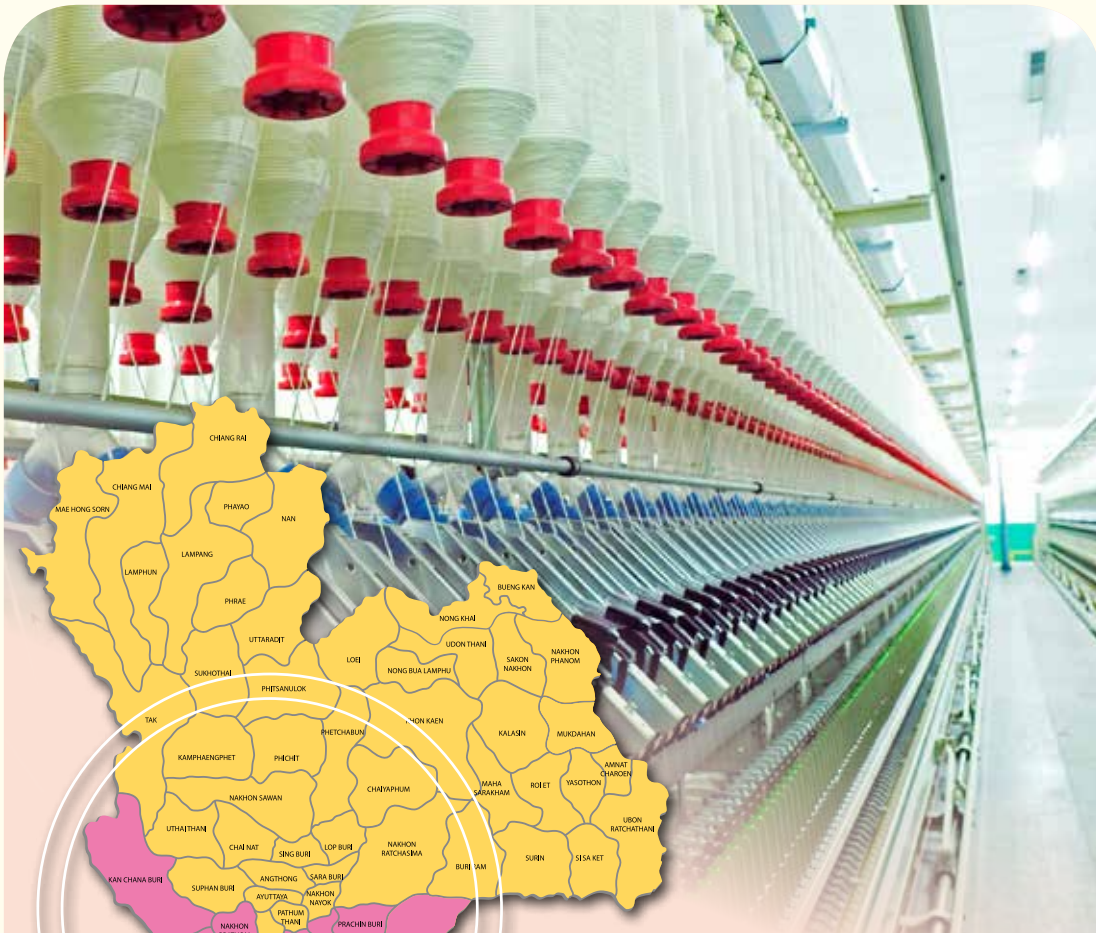
Lower Central Region (Kanchanaburi, Ratchaburi, Phetchaburi, Prachuab Khiri Khan)

Eastern Region (Rayong, Chanthaburi, Trad)

Southern Region (Chumphon, Surat Thani, Krabi, Songkhla)

Eligible Activities

- Plant and Animal Breed Improvement
- Natural Extracts / Product from Extracts
- Active Ingredients from Natural Raw Materials
- Medical Food or Food Supplement
- Grading, Packaging and Storage of Plants, Vegetables, Fruits or Flowers Using High Technology
- Trading Centers for Agricultural Produces
- Products Manufactured from Natural Rubber (Must be located in Rayong, Kanchanaburi, and Songkhla only.)
- Rubber Processing Industrial Estates / Zones (Must be located in Rayong, Kanchanaburi, and Songkhla only.)



Textiles and Garment Cluster

9 Provinces

Bangkok, Kanchanaburi, Nakhon Pathom, Ratchaburi, Samut Sakhon, Chonburi, Chachoengsao, Prachinburi, Sa Kaeo

Eligible Activities

Functional Fiber / Recycled Fiber

Functional Yarn or Fabric

Bleaching, Dyeing and Finishing

Garments, Clothing Accessories, and Household Textiles

Creative Product Design & Development Center

Infrastructures to Support Cluster Development

Regions and areas, in which the government has selected as cluster areas, are developed and fully equipped with public utility and infrastructures crucial for investment projects. These include industrial estates, electricity, water supply, transportation and educational institutions of all levels. All of which significantly contributes to the increase in an investment competitive advantage in cluster areas, in addition to tax incentives.

Infrastructures in Cluster Areas	Quantity
Ports	3
Deep Seaports	5
Domestic Airports	7
International Airports	6
Industrial Estates	14
Electricity Generation Capacity	Approximately 37,000 MW

Support in Raw Materials	Maximum Annual Production Capacity
Plastic Resin Pallets (e.g. PP, PE, PET, PVC)	10.6 million tons
Bio-plastic Resin Pallets (e.g. PBS, PLA) *	135,000 tons
Iron	4.6 million tons

Support in human resources	Quantity
Higher Education Institutions	129
Vocational Education Institutions	215

Remarks

* The total production capacity planned is 135,000 ton. By early 2016, the estimated maximum production capacity will be 20,000 tons.



Contact Us

HEAD OFFICES

OFFICE OF THE BOARD OF INVESTMENT

555 Vibhavadi-Rangsit Road, Chatuchak, Bangkok 10900
Tel: +66 (0) 2553-8111
Fax: +66 (0) 2553-8316, +66 (0) 2553-8222
Website: www.boei.go.th
Email: head@boei.go.th

ONE START ONE STOP INVESTMENT CENTER (OSOS)

18th Floor, Chamchuri Square Building,
319 Phayathai Road, Pathumwan, Bangkok 10330
Tel: +66 (0) 2209-1100
Fax: +66 (0) 2209-1199
Website: osos.boei.go.th
Email: osos@boei.go.th

ONE STOP SERVICE CENTER FOR VISAS AND WORK PERMITS

18th Floor, Chamchuri Square Building,
319 Phayathai Road, Pathumwan, Bangkok 10330
Tel: +66 (0) 2209-1100
Fax: +66 (0) 2209-1194
Email: visawork@boei.go.th

REGIONAL OFFICES

REGIONAL INVESTMENT AND ECONOMIC CENTER 1

CHIANG MAI OFFICE

Airport Business Park 108-110,
90 Mahidol Road, Amphur Muang, Chiang Mai 50100
Tel: +66 (0) 5329 4100
Fax: +66 (0) 5329 4199
Email: chmai@boei.go.th

PHITSANULOK OFFICE

3rd Floor, Thai Sivarat Building, 59/15 Boromtrilokkanat 2 Road,
Naimuang, Amphur Muang, Phitsanulok 65000
Tel: +66 (0) 5524-8111
Fax: +66 (0) 5524-8777
Email: phitsanulok@boei.go.th

REGIONAL INVESTMENT AND ECONOMIC CENTER 2

NAKHON RATCHASIMA

2112/22 Mitraphab Road, Amphur Muang, Nakhon Ratchasima 30000
Tel: +66 (0) 4438 4200
Fax: +66 (0) 4438 4299
Email: korat@boei.go.th

REGIONAL INVESTMENT AND ECONOMIC CENTER 3

KHONKAEN

177/54 Moo 17, Mitraphab Road, Amphur Muang, Khonkaen 40000
Tel: +66 (0) 4327 1300-2
Fax: +66 (0) 4327 1303
Email: khonkaen@boei.go.th

REGIONAL INVESTMENT AND ECONOMIC CENTER 4

CHONBURI

46 Moo 5 Laem Chabang Industrial Estate, Sukhumvit Road,
Toongsukhla, Sriracha, Chonburi 20230
Tel: +66 (0) 3840 4900
Fax: +66 (0) 3840 4997, +66 (0) 3840 4999
Email: chonburi@boei.go.th

REGIONAL INVESTMENT AND ECONOMIC CENTER 5

SONGKHLA

7-15 Chaiyong Building Juti Uthit 1 Road, Hadd Yai, Songkhla 90110
Tel: +66 (0) 7458 4500
Fax: +66 (0) 7458 4599
Email: songkhla@boei.go.th

REGIONAL INVESTMENT AND ECONOMIC CENTER 6

SURAT THANI

49/21-22 Sriwichai Road, Makhantia, Amphur Muang,
Surat Thani 84000
Tel: +66 (0) 7740 4600
Fax: +66 (0) 7740 4699
Email: surat@boei.go.th

OVERSEAS OFFICES

SHANGHAI

Thailand Board of Investment, Shanghai Office
Royal Thai Consulate-General, 15th Floor, Crystal Century Tower,
567 Weihai Road, Shanghai 200041, P.R.C
Tel: +86-21-6288-9728-9
Fax: +86-21-6288-9730
Email: shanghai@boei.go.th

BEIJING

Thailand Board of Investment, Beijing Office
Royal Thai Embassy, No.40 Guang Hua Road, Beijing 100600 P.R.C.
Tel: +86-10-6532-4510
Fax: +86-10-6532-1620
Email: beijing@boei.go.th

GUANGZHOU

Thailand Board of Investment, Guangzhou Office
Investment Promotion Section, Royal Thai Consulate-General,
No.36 Youhe Road, Haizhu District, Guangzhou, P.R.C. 510310
Tel: +86-20-8385-8988 Ext. 220-225, +86-20-8387-7770 (Direct line)
Fax: +86-20-8387-2700
Email: guangzhou@boei.go.th

TAIPEI

Thailand Board of Investment, Taipei Office
Taipei World Trade Center, 3rd Floor, Room 3E 39-40
No.5 Xin-Yi Road, Sec. 5 Taipei 110, Taiwan R.O.C.
Tel: +886-2-2345-6663
Fax: +886-2-2345-9223
Email: taipei@boei.go.th

TOKYO

Thailand Board of Investment, Tokyo Office
Royal Thai Embassy, 8th Floor, Fukuda Building West,
2-11-3, Akasaka, Minato-ku, Tokyo 107-0052 Japan
Tel: +81 (0) 3-3582-1806
Fax: +81 (0) 3-3589-5176
Email: tyo@boei.go.th

OSAKA

Thailand Board of Investment, Osaka Office
Royal Thai Consulate-General, Bangkok Bank Building, 7th Floor,
1-9-16 Kyutaro-Machi, Chuo-Ku, Osaka 541-0056 Japan
Tel: +81 (0) 6-6271-1395
Fax: +81 (0) 6-6271-1394
Email: osaka@boei.go.th

SEOUL

Thailand Board of Investment, Seoul Office
#1804, 18th Floor, Koryo Daeyeongak Center,
97 Toegy-e-ro, Jung-gu, Seoul, 100-706, Korea
Tel: +82-2-319-9998
Fax: +82-2-319-9997
Email: seoul@boei.go.th

MUMBAI

Thailand Board of Investment, Mumbai Office
Express Tower, 12th Fl., Barrister Rajni Patel Marg,
Nariman Point, Mumbai, Maharashtra 400021
Tel: +91 22) 2204 1589-90
Fax: +91 22) 2282 1071
Email: mumbai@boei.go.th

NEW YORK

Thailand Board of Investment, New York Office
7 World Trade Center, 34th Floor, Suite F,
250 Greenwich Street, New York, New York 10007, U.S.A.
Tel: +1 (0) 212 422 9009
Fax: +1 (0) 212 422 9119
Email: nyc@boei.go.th
Website: www.thinkasiainvestthailand.com

LOS ANGELES

Thailand Board of Investment, Los Angeles Office
Royal Thai Consulate-General, 611 North Larchmont Boulevard,
3rd Floor, Los Angeles CA 90004, U.S.A.
Tel: +1 (0) -323-960-1199
Fax: +1 (0) -323-960-1190
Email: boila@boei.go.th

FRANKFURT

Thailand Board of Investment, Frankfurt Office
Investment Section, Royal Thai Consulate-General
Bethmannstr. 58, 5.0G
60311 Frankfurt am Main,
Federal Republic of Germany
Tel: +49 (069) 92 91 230
Fax: +49 (069) 92 91 2320
Email: fra@boei.go.th

PARIS

Thailand Board of Investment, Paris Office
Ambassade Royale de Thaïlande
8, rue Greuze, 75116 Paris, France
Tel: +33-1) 56 90 26 00
Fax: +33-1) 56 90 26 02
Email: par@boei.go.th

STOCKHOLM

Thailand Board of Investment, Stockholm Office
Stureplan 4C 4th Floor, 114 35 Stockholm, Sweden
Tel: +46 (0) 8463 1158, +46 (0) 8463 1174-75
Fax: +46 (0) 8463 1160
Email: stockholm@boei.go.th

SYDNEY

Thailand Board of Investment, Sydney Office
Suite 101, Level 1, 234 George Street, Sydney,
New South Wales 2000, Australia
Tel: +61-2-9252-4884
Tel: +61-2-9252-4882
Email: sydney@boei.go.th

