



**Q1 To start, can you tell us about what your company does and what your main focus?
(3 min)**





EECi: An Innovation Hub Supporting Advanced Industries

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الهيئة
NSTDA

THE NATIONAL SCIENCE AND TECHNOLOGY DEVELOPMENT AGENCY (NSTDA)

NSTDA AT A GLANCE



Ministry of Higher Education Science Research and Innovation (MHESI)

5 NSTDA PILLARS

BIOTEC
a member of NSTDA

BIOSCIENCES AND
BIOTECHNOLOGY



MTEC
a member of NSTDA

MATERIALS AND
MANUFACTURING
TECHNOLOGY



NECTEC
a member of NSTDA

ELECTRONICS AND
INFORMATION
TECHNOLOGY



NANOTEC
a member of NSTDA

NANOSCIENCES AND
NANOTECHNOLOGY



ENTEC
a member of NSTDA

ENERGY TECHNOLOGY



INNOVATION HUBS

Managed by NSTDA



Thailand Science Park

- 150 corporate tenants
- 120 incubator clients/year



Food Innopolis

- Food Innopolis at the Thailand Science Park
- 18 network locations nationwide



Software Park Thailand

- 37 corporate tenants



EECi @ Wangchan Valley, Rayong Province

Community Zone



Vidyasirimedhi
Institute of Science
And Technology
(VISTEC)



Wangchan
Forest Project



Utility Center



Solar Farm 



CAV Proving
Ground

Total Area	3,454 Rai [552.64 ha]
• Community Zone	178 Rai [28.48 ha]
• Education Zone	1,186 Rai [189.76 ha]
• Innovation Zone 1	989 Rai [158.24 ha]
• Innovation Zone 2	946 Rai [151.36 ha]
• Innovative Agriculture Learning Center	155 Rai [24.8 ha]

Community Mall
Hotel & serviced apartment
International School

Highway No. 344

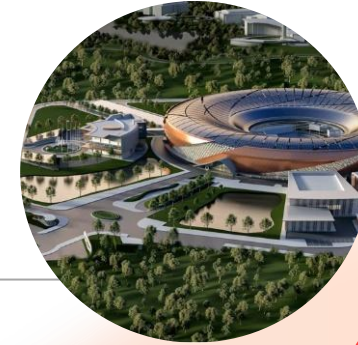
Gas Station

Education Zone



Kamnoetvidya Science Academy
(KVIS)

Synchrotron Facility
[3 GenV]



PTTEP
Technology
and Innovation
Center

Innovation Zone 1

EECi Headquarters



Innovative Agriculture Learning Center

Innovation Zone 2

5 Clusters of Special-Targeted Industries

Medical & Health

MEDICAL AND COMPREHENSIVE HEALTHCARE



INTELLIGENT ELECTRONICS
AUTOMATION AND ROBOTICS
DEFENSE

Digital

Next-Generation Automotive

NEXT-GENERATION AUTOMOTIVE



GREEN AND CIRCULAR
BIOFUEL AND BIOCHEMICAL
ADVANCED AGRICULTURE AND BIOTECHNOLOGY
FOOD FOR THE FUTURE

BCG

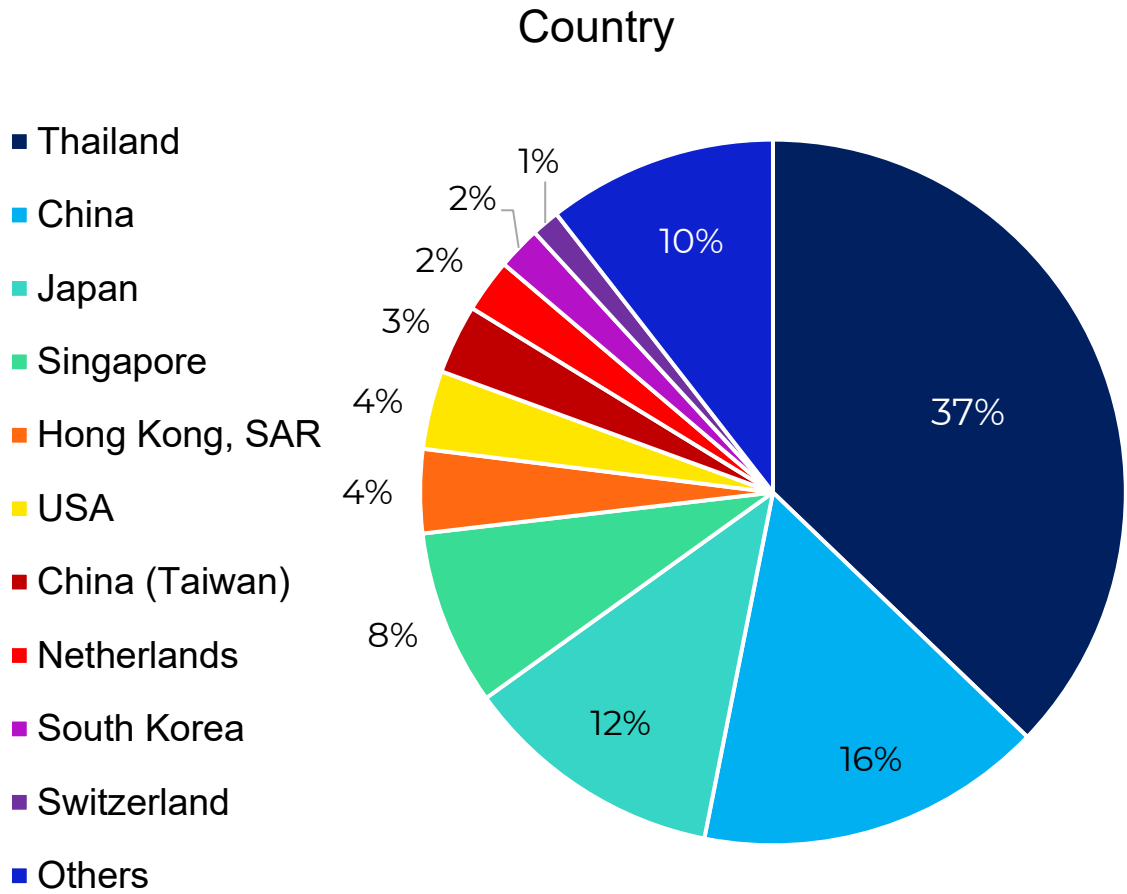
Services

HIGH-VALUE AND MEDICAL TOURISM
AEROSPACE & LOGISTICS
EDUCATION AND HUMAN RESOURCE DEVELOPMENT



Investment Promotion Certificate Issuance in EEC from 2018 – 2024

(By Nationality)



Total value of **USD 52.3 Billion**

Top 5 by Nationalities*



China
Automotive,
Electrical
appliances



Japan
Automotive,
Petrochemical
& Chemical



Singapore
Electrical
appliances,
Automotive



**Hong Kong,
SAR**
Automotive,
Electrical appliances



**United
States**
Digital,
Agricultural
and Food

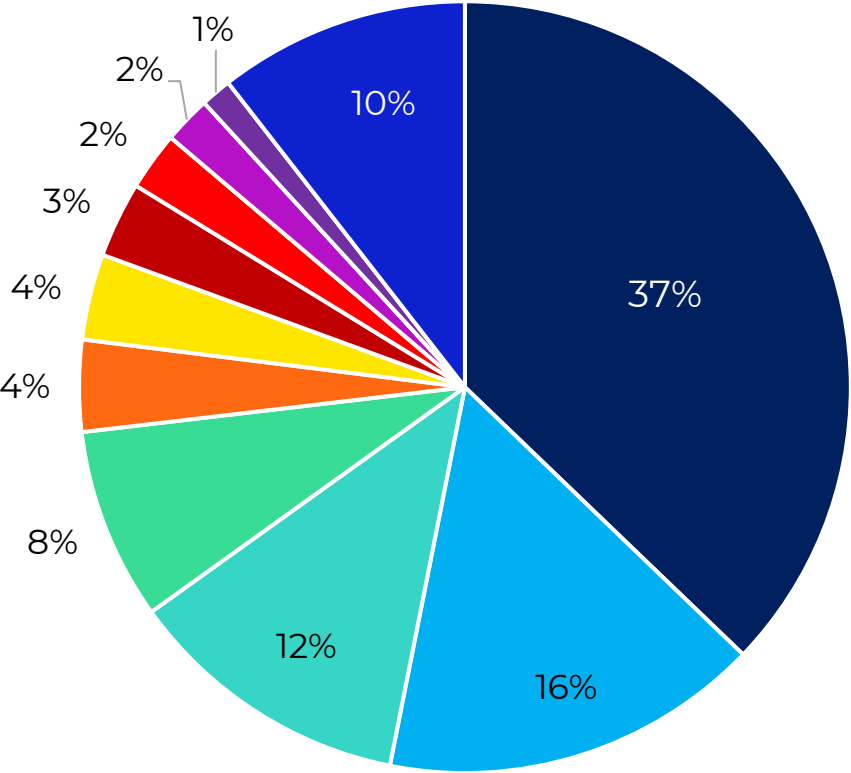
Source: BOI as of December 2024
Note: Exchange rate = Annual average rate
Compiled by BCG Division, EEC

Investment Promotion Certificate Issuance in EEC in 2025

(By Nationality)

Total value of approx. **USD 18.3 Billion**

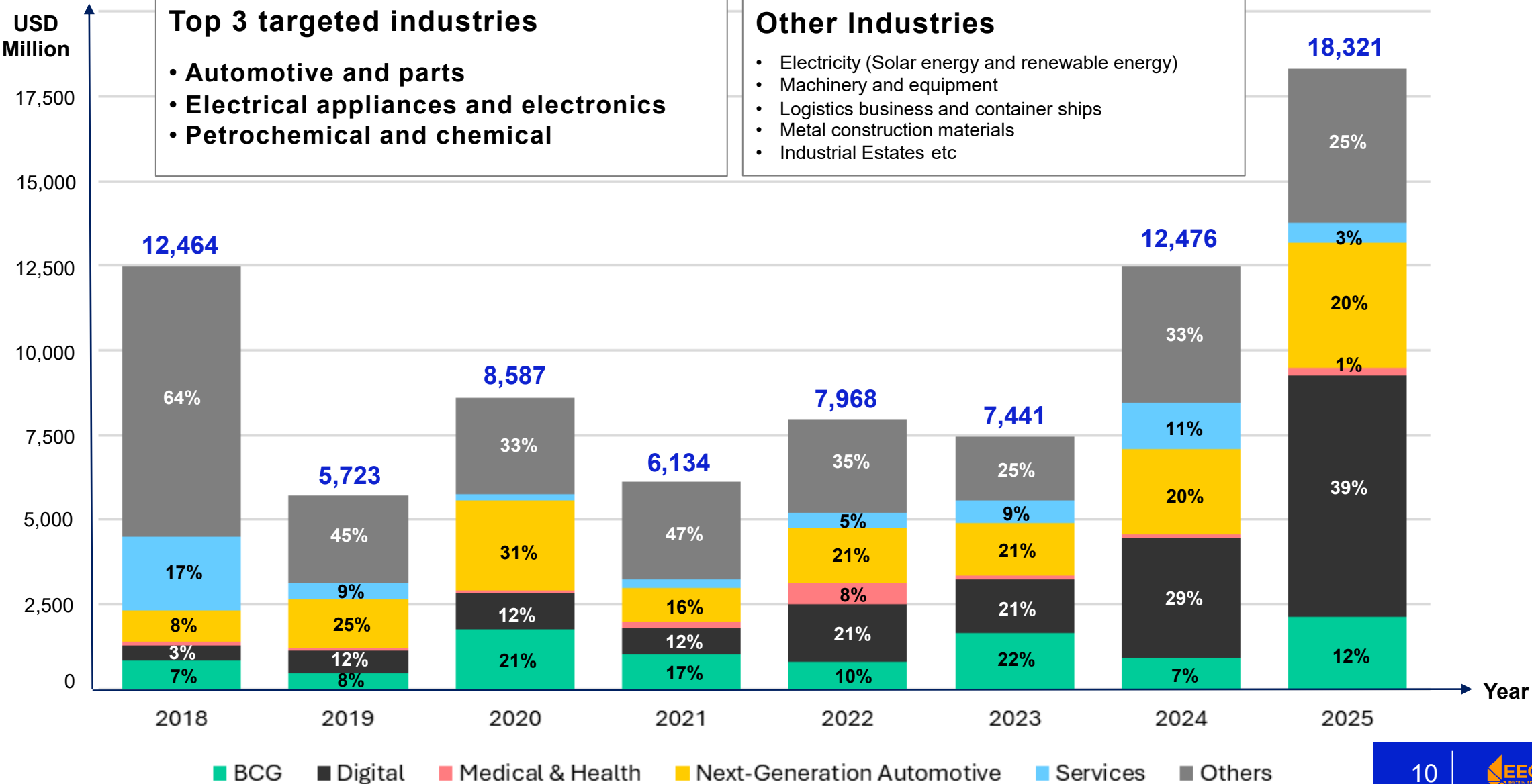
- Singapore
- China
- Hong Kong, SAR
- Thailand
- Japan
- China (Taiwan)
- Netherlands
- United States
- Cayman Islands
- South Korea
- Others



Source: BOI as of December 2025
* Assumption: Investment ratio used in calculation based on company's shareholder ratio

Investment Promotion Certificate Issuance in EEC from 2018 – 2025

(By Industry)



Investment Promotion Certificate Issuance in EEC (2025)



China

Total project value: THB 117,638 million*

Total projects: **567**



Medical & Health	Digital	Next-Generation Automotive	Bio-Circular-Green (BCG)	Services	Others
<p>THB 1,256 mm (JV: THB 74 mm)</p> <p>9 Projects (JV: 3 projects)</p>	<p>THB 25,316 mm (JV: THB 2,890 mm)</p> <p>116 Projects (JV: 15 projects)</p>	<p>THB 17,940 mm (JV: THB 1,176 mm)</p> <p>58 Projects (JV: 5 projects)</p>	<p>THB 5,523 mm (JV: THB 1,174 mm)</p> <p>47 Projects (JV: 10 projects)</p>	<p>THB 282 mm</p> <p>13 Projects</p>	<p>THB 67,321 mm (JV: THB 7,018 mm)</p> <p>324 Projects (JV: 49 projects)</p>

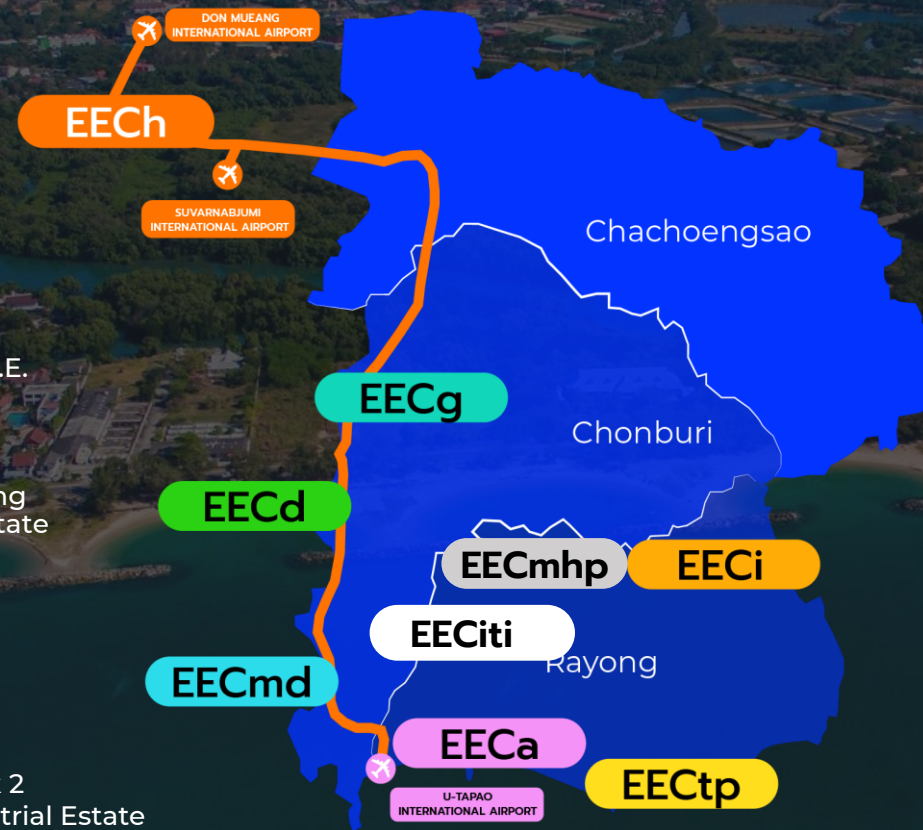
Source: BOI as of December 2025
* Investment value counted from total project value

EEC Promotional Zones

Industrial Estates

1. WHA Rayong Industrial Estate
2. Eastern Seaboard I.E. (Rayong)
3. WHA Eastern Industrial Estate (Map Ta Phut)
4. WHA Eastern Seaboard I.E.1
5. WHA Chonburi I.E.1
6. WHA Chonburi I.E.2
7. WHA Eastern Seaboard I.E.2
8. WHA Eastern Seaboard I.E.3
9. WHA Eastern Seaboard I.E.4
10. CPGC I.E. (Rayong)
11. Amata City Chonburi I.E.
12. Amata City Chonburi I.E. (2nd Project)
13. Amata City Chonburi I.E.2
14. Amata City Rayong I.E.
15. Pinthong Industrial Estate
16. Pinthong Industrial Estate (Laem Chabang)
17. Pinthong Industrial Estate (3rdProject)
18. Pinthong Industrial Estate (4thProject)
19. Pinthong Industrial Estate (5thProject)
20. TFD I.E. (2ndProject)
21. Yamato industries I.E.
22. Smart Park I.E.
23. Asia Clean
24. Rojana Nongyai
25. Rojana Lamchabang
26. WHA Industrial Estate (Rayong)
27. EGCO Rayong Industrial Estate
28. Apex Green Industrial Estate
29. BlueTech City Industrial Estate
30. 304 Industrial Park 2
31. Map Ta Phut Industrial Estate
32. Lakchai Muang Yang I.E. (Rayong)

Industrial Clusters for Special-Targeted Industries



Establishments for Specific Business Operators

- Toyota
Next-generation automotive Banpho
- Alibaba
E-commerce Bang Pakong
- Khao Shong Coffee
Food for the Future Industry : (Bang Pakong) Sustainable Thai Coffee Industry
- LifeSphere
LifeSphere FutureMed & Longevity Hub
- PTTLNG
Map Ta Phut LNG Station 2



**Q3 What innovations can all companies adopt to enhance their competitiveness and effectively manage the current environment? (10 min)
(EECi)**

EECI Scale-up R&D Infrastructure

Research

Pilot

Testbed

Industry

Service R&D Infrastructure

Rental Space



วังจันทร์ ดาลาด



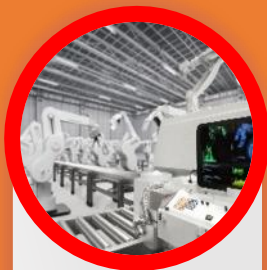
UAV Sandbox



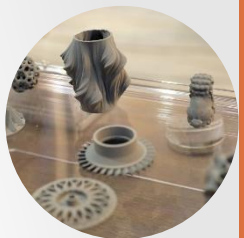
Frequency Sandbox



CAV Proving Ground



Sustainable Manuf. Center (SMC)



Additive Manuf.



Battery Pilot Plant



Smart Greenhouse



Phenomics



Biorefinery Pilot Plant



High Bay Area



Plant Factory



Wet Laboratory



Pilot Plant

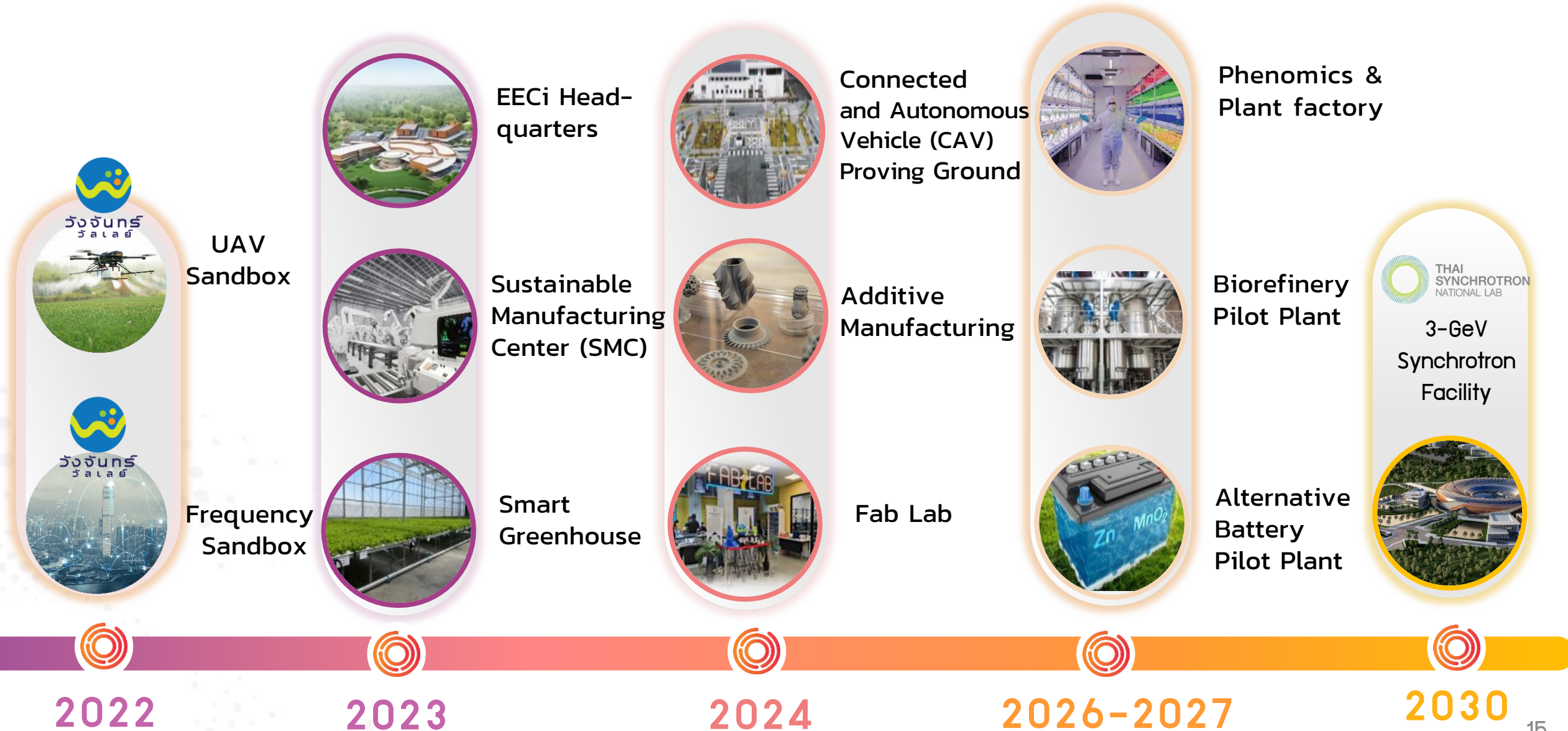


Greenhouse



Office Space

STI Infrastructure Readiness Timeline



2022

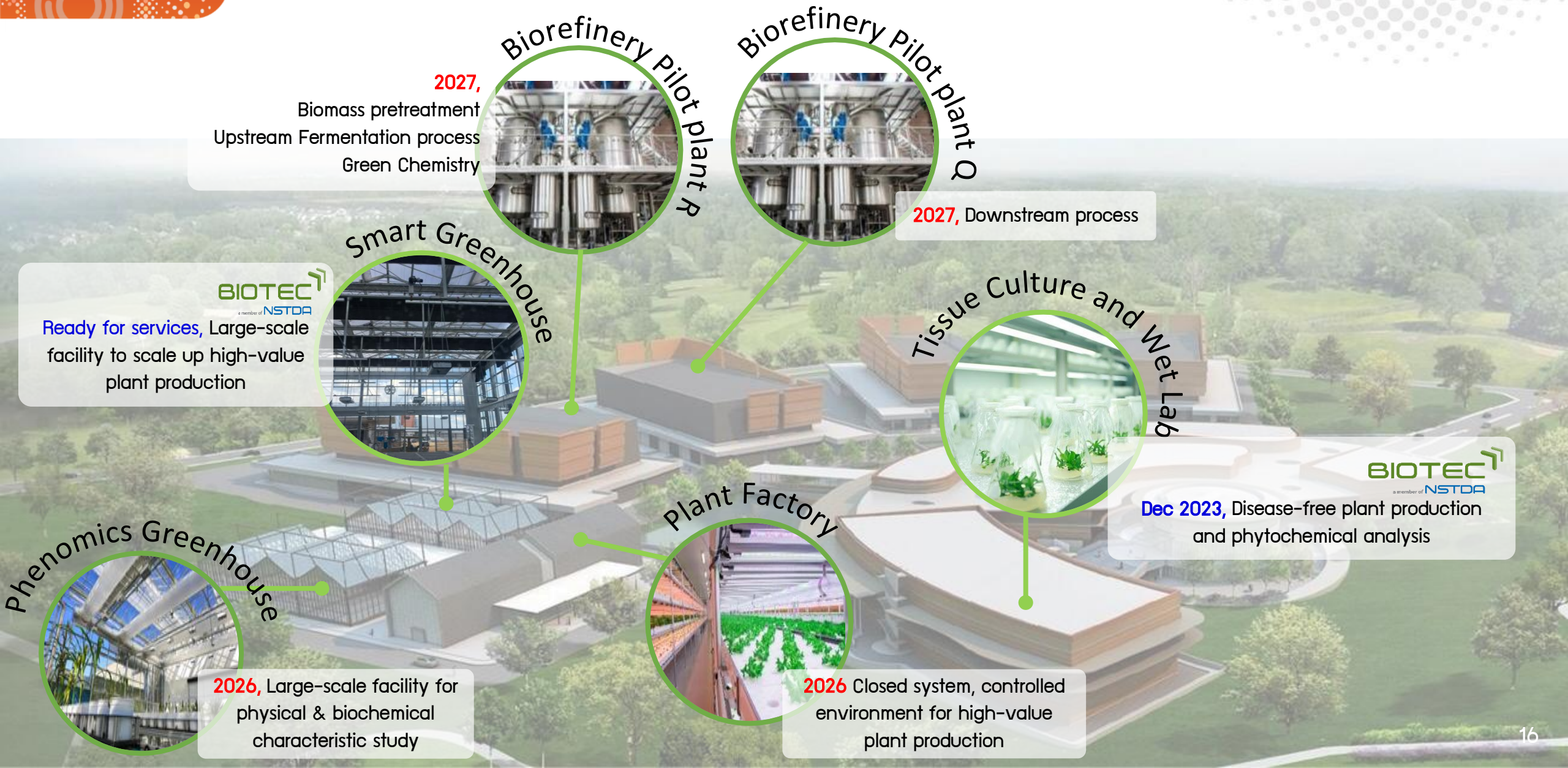
2023

2024

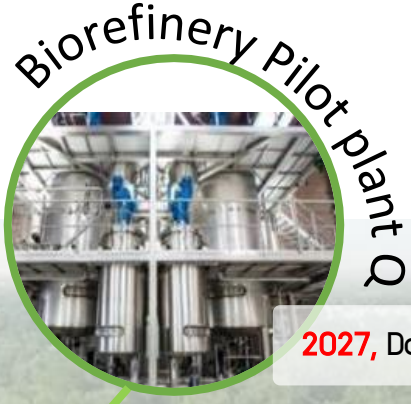
2026-2027

2030

Add Value to Agricultural Sector



2027,
Biomass pretreatment
Upstream Fermentation process
Green Chemistry

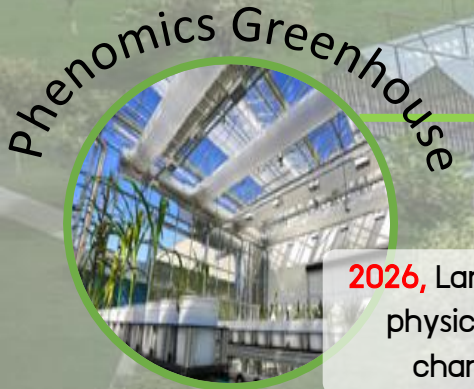


2027, Downstream process

BIOTEC
a member of **NSTDA**
Ready for services, Large-scale
facility to scale up high-value
plant production



BIOTEC
a member of **NSTDA**
Dec 2023, Disease-free plant production
and phytochemical analysis



2026, Large-scale facility for
physical & biochemical
characteristic study



2026 Closed system, controlled
environment for high-value
plant production

Smart Greenhouse



Phenomics Greenhouse

Smart Greenhouse



TISSUE CULTURE & phytochemical analysis

Plant Factory

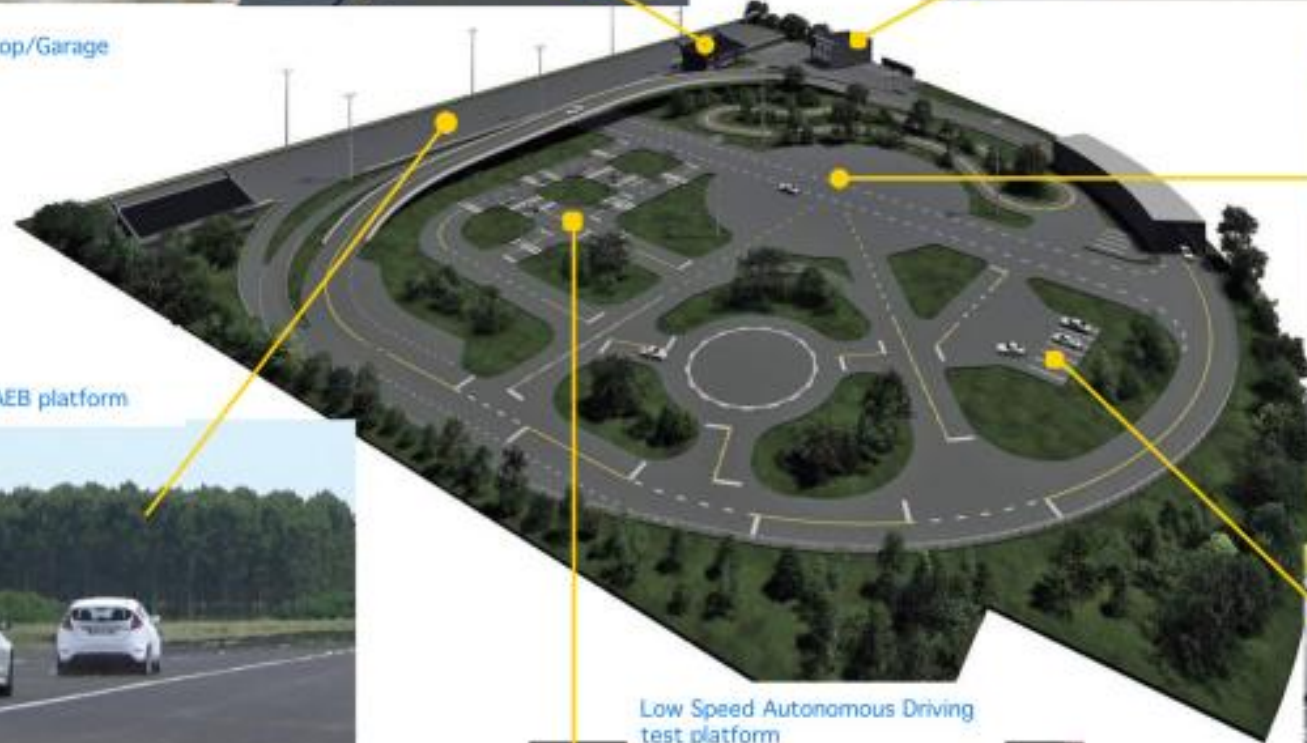
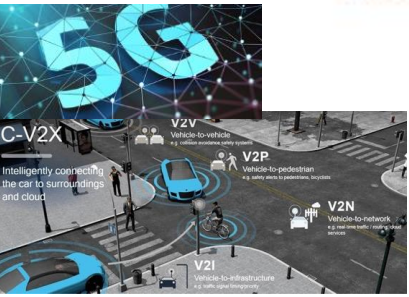




Workshop/Garage



Welcome center and DC Fast charge stations



ADAS 45-90-135 degree platform



ADAS AEB platform



Auto Parking test platform



Low Speed Autonomous Driving test platform



ISO 22737: Low speed autonomous driving

ADAS EURO NCAP 2021-2023 directive
TISI Directive according to ISO/TC 204



NAR Labs
National Applied Research Laboratories

NSTDA

UAV Sandbox

(Navatnapha Runway Strip @ Wangchan Valley)



Photo Credit :
PTT Wangchan Valley

Testing, Research and Development Activities

(under-development)

- UAV Pilot Training
- UAV Testbed & Demonstration
- UAV Regulatory Sandbox
- UAV and UAS R&D
- and more...

Temporary Take off and Landing Area for Aircrafts
(code numbers 1A and 1B)

- Runway Length 600 m. Wide 18 m.
- Total Length including safety distance: 830 m.

VETAL by HG Robotics



Photo Credit: HG Robotics



SMC

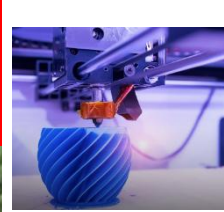
a member of EECi ARIPOLIS

ศูนย์นวัตกรรมการผลิตยั่งยืน

Sustainable Manufacturing Center (SMC)



• AIS 5G Testbed



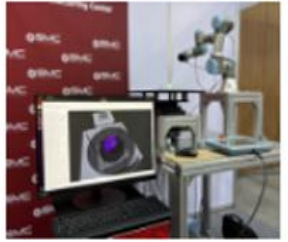
• Additive Manufacturing



• Battery Pilot Plant



• Motor Testbed
• EV Component Testing



• 3D Inspection Robot



• Flexible Manufacturing Line



• Industrial Automation and IoT



• Smart Maintenance



EECi HQ,
Wangchan Valley, Rayong



TECHNOLOGY VENDOR

16

SYSTEM INTEGRATOR

77

FACTORY

42

* 16 individuals

RENTAL SPACE



◀ Wet Laboratory

Pilot Plant ▶



◀ High Bay Area

Greenhouse ▶



◀ Plant Factory

Office Space ▶



Private and public organizations as well as universities gain benefit from the well-equipped and highly connected EECi innovation ecosystem by setting up their research and innovation related operations on-site.

FACILITIES & UTILITIES



Long-term land lease & flexible-term office and Laboratory space lease



Fabrication laboratory & maker space



Co-working space



Online & offline conference rooms



Flexible functional auditorium



Indoor & outdoor exhibition halls





Technology & Innovation

Technology Demonstration & Transfer | Technology Licensing and IP Service |
Contract Research & Joint Research | R&D Equipment Service | Product & Process
Design and Development | Technology & Prototype Scaling up & Localization



Testing & Certification

Destructive & Nondestructive Testing | Bioactive Compounds and Toxication Testing | Testbeds
and Proving Ground | Industry 4.0 Assessment and Certification | Expert Registration



Reskill, Upskill and New Skill Development

Training & Workshop in Modern Agriculture and other Technologies related to EECi
Target Industries | Concurrent and Multi-Site Training Facilities



Technology Business Support & Incentives

Evaluate and Certify R&D Projects for Tax Benefit | EECi Privileges & Incentives | Merit-based
Incentives | Technology Business Incubation | Business Support & Matching



Research and Innovation Facilities

Wet & Dry Laboratory, Scale up, and Pilot Facilities | Semi- & Fully Controlled Environment Agriculture (CEA) Facilities |
Office and R&D Coordination Office | Leasehold Land



Privileges & Incentives



Translational
R&D Infra.



Advanced
National Quality
Infrastructure
(NQI)



Regulatory
Sandbox



Smart Visa for
international
experts



Advanced
Technology
Development
Through Open
Innovation



13 years
(maximum)
corporate
income tax
exemption



17% flat rate
personal income tax
for international
(and reverse brain
drain) experts



Talent
workforce

THANK YOU



www.eeci.or.th

เขตนวัตกรรมระเบียงเศรษฐกิจพิเศษภาคตะวันออก
Eastern Economic Corridor of Innovation