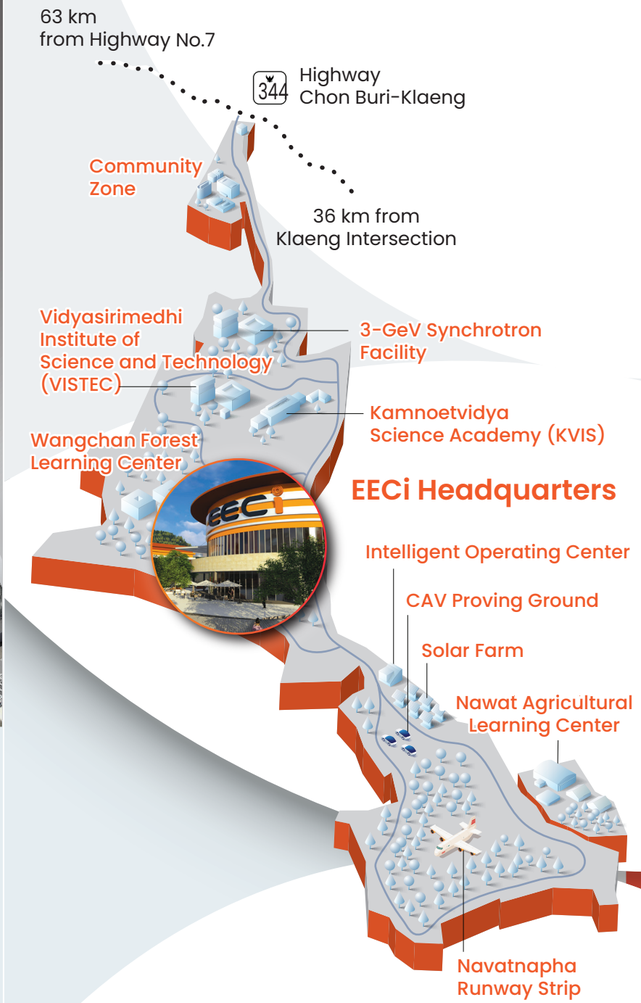
Unique Innovation Hub

Innovation Ecosystem for Economic Development

- Kamnoetvidya Science Academy (KVIS)
- Vidyasirimedhi Institute of Science and Technology (VISTEC)
- Wangchan Forest Learning Center
- Connected Autonomous Vehicle (CAV) Proving Ground
- Nawat Agricultural Learning Center (Chitralada Technology Institute)
- 3-GeV Synchrotron Facility
- PTTEP Technology and Innovation Center

The Strategic Location at Eastern Economic Corridor (EEC)

- High-speed Rail Ribbon Sprawl (Don Mueang, Suvarnabhumi, and U-tapao Airport)
- Genomics Thailand Centre (Burapha University, Chonburi)
- Digital Park (Si Racha District, Chonburi)
- Medical Hub (Bang Lamung, Chonburi)
- Eastern Airport City (U-tapao Airport, Rayong)
- Innovation Park Technology (Ban Chang, Rayong)
- Eastern Economic Corridor of Innovation (Wangchan Valley, Rayong)



EEC i
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Integrate Technologies, Accelerate Innovation

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EEC i

Privileges & Incentives

- Translational R&D infrastructure
- Advanced National Quality Infrastructure (NQI)
- Advanced technology development through open innovation
- Long-term land lease, flexible-term office and laboratory space lease
- Shared facilities (online & offline conference facilities, exhibition center, maker space, fabrication laboratory)
- Smart visa for international experts
- Access to regulatory sandbox and talent workforce
- 13 years (maximum) corporate income tax exemption
- 17% flat rate personal income tax for international experts

HR Development & Services to Industries

- Technology & innovation
- Testing & certification
- Technology business support & incentives
- Reskill, upskill & new skill development
- Research & innovation facilities

Translational Research & Technology Localization

EECi | ARI POLIS

Automation, Robotics and Intelligent Systems Platform aims to promote technology development and technology localization which correspond to the needs of private and industrial sectors through R&D, testing, demonstration and intensive training.

Sustainable Manufacturing Center (SMC)

The center is equipped with all necessary service components to support Thai manufacturing sector in its journey toward industry 4.0, including:

- Readiness assessment and manufacturing gap analysis
- Consultation and advice on the appropriate solution and the implementation roadmap
- Advanced training courses for high-skilled manpower development
- IIoT and AI technology platforms for the manufacturing sector
- Testbed to develop innovative solutions and validate the proof-of-concept system

Alternative Battery Pilot Plant

The development of alternative high-performance batteries with high security, low cost and environmentally friendly, which aims to strengthen Thailand's energy security. The center also provides services to support R&D such as product development using modern technology and advanced materials, battery efficiency and properties testing, and battery analysis to support renewable energy industry and energy storage systems (ESS).

Connected and Autonomous Vehicle (CAV) Proving Ground

To strengthen the modern automotive industry, this facility will be the first of its kind in Thailand as a "regulatory sandbox" for testing the connected and autonomous vehicle with international standards. The facility provides full supports for the research and development of Thai CAV manufacturers helping to reduce cost and risk of initial investments and be able to compete internationally.

Regulatory Sandbox

Serves as test and trial ground for technology and innovation under appropriate safeguards to contain the consequences of failure and maintain the overall safety while efficiently cooperate in shorten procedure and time of innovation commercialization. Projects within the area are:

- Authorization to test for UAV development
- Connected and Autonomous Vehicle (CAV) Proving Ground
- Authorization to use frequency band for innovation development and test

EECi | BIO POLIS

Biotechnology platform aims to promote bio-based industries in accordance with the government's B-C-G policy as well as supporting Thailand's agricultural direction, focuses on Modern Agriculture, Biorefinery and Functional Ingredients from lab to commercial market and ultimately, strengthening the nation's prosperity sustainably.

Tissue Culture Facility

It is equipped to conduct practical experiments that focus on cells, tissues, or organs of a plant and their subsequent placement into an artificial environment conducive to growth. This facility enhances precision and accelerates the production of true-to-type plant varieties that meet specific requirements.

Smart Greenhouse

Foundational structure for semi-closed plant cultivation equipped with automated environmental control systems such as water, nutrients, temperature, humidity, and light. This enables comprehensive data analysis for potential commercial applications with high precision.

Phenomics Greenhouse

Designed to support the study of plant phenotyping under various environmental conditions through the integration of image analysis systems, digital technology, and automation which enhance the accuracy of plant breeding programs, allowing the rapid development of distinctive characteristics to meet market and agricultural demands.

Plant Factory

Closed-system cultivation facility allows complete environmental control for growing economically valuable crops. Additionally, it serves as a foundational structure for the development and testing of tools and equipment related to plant production, aiming to advance the next generation of the plant manufacturing industry.

Biorefinery Pilot Plant

The Biorefinery Pilot Plant provides scale-up services for bioprocesses or high-value bio-based products from wild-type and genetically engineered microorganisms. The pilot plant equipped with the 15,000 - liter fermenters and broad selection of downstream processing units. The Biorefinery Pilot Plant consists of 4 modules as follows:

1. Biomass Pretreatment
2. Upstream Fermentation Process
3. Downstream Process
4. Green Chemistry