

EECi: Corridor to Thailand Innovation and Investment

Dr. Ravipat Phudpong,
Director of Smart Industry Collaboration Division,
Eastern Economic Corridor of Innovation (EECi)
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Background of EEC & EECi

Special Zone: Eastern Economic Corridor (EEC): 13,000 Km²

Public and Private investment (\$ 43 Billion USD in the first 5 years)

High -speed train & Dual-track railway



Strategic location:

- > 30 industrial estates
- Gate way to ASEAN



Don Mueang

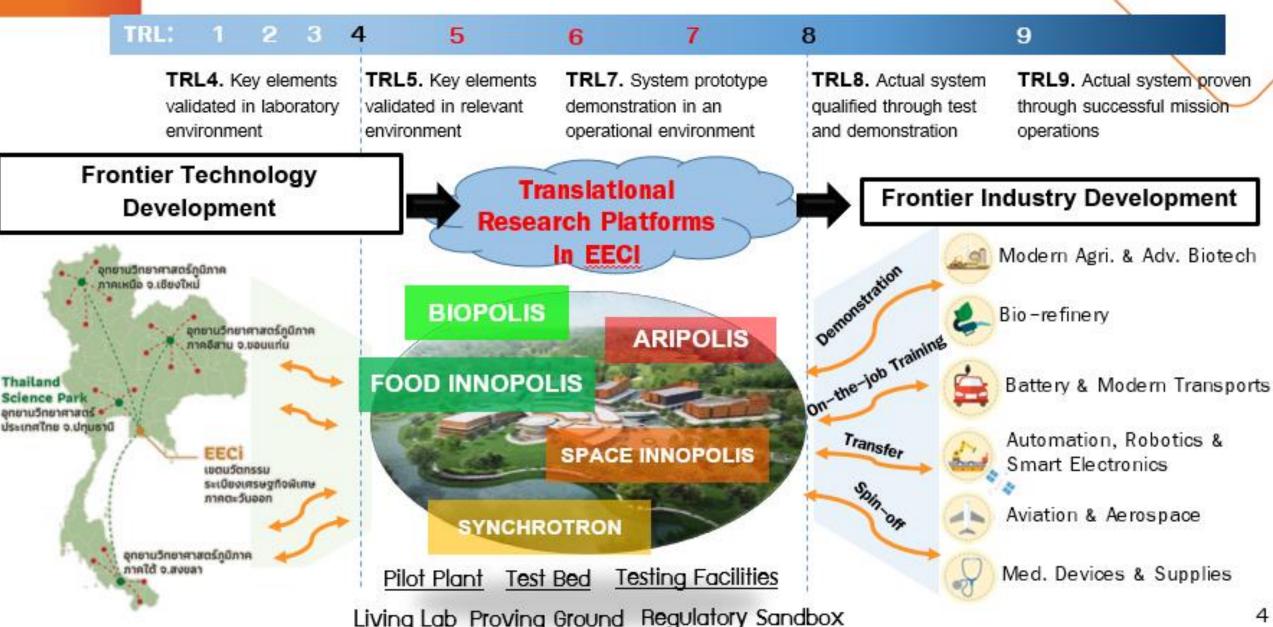
An Innovation Component of EEC



EECi Overall Development & Zoning



EECi: A Translational Platform for Frontier Industries



Living Lab Proving Ground

EECi Technology Platforms



- Innovative Agriculture
- Chemical and Bioprocess Technology
- Functional Ingredients



Food Innovation Platform

- IoT for Food
- Food Automation





Automation, Robotics and Intelligent Electronics Platform

- Sustainable Manufacturing Center
- Smart Agriculture Center
- Smart Living Center
- High Performance Computing Center



- High Altitude Pseudo-Satellite Unmanned Aerial Vehicle (HAPS UAV) and Global Navigation Satellite System (GNSS)
- Aerospace NQI



SLRI SPS-II

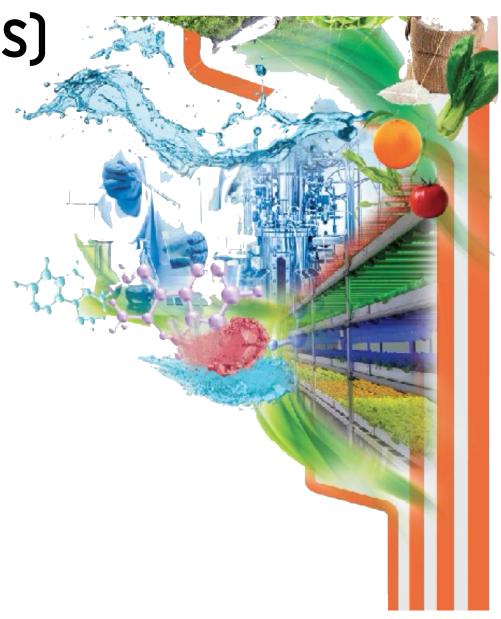
- Latest (4th generation) and largest synchrotron light source in ASEAN
- Infrastructure for innovation-oriented cooperation of academic and industrial research



เมื่อมนวัตกรรมชีวภาพ (BIOPOLIS)

- อุตสาหกรรมเกษตรสมัยใหม่ (Modern Agriculture)
- อุตสาหกรรมฐานชีวภาพ (Bio-based Industry)





EECi and Modern Agriculture

Phenomics Greenhouse









Plant Factory







บริษัท ลอฟท์ บิวเดอร์ จำกัด





UAV Sandbox & All for Precision Agriculture



















EECi and High Value Ingredients and Biochemicals







Food Supplement and Nutraceuticals:

- Functional Ingredients
- Flavor Enhancer
- Super Antioxidants
- Alternative Proteins
- Specialty Carbohydrates
- High Value Fatty Acids

Cosmeceutical:

- Bioactive Compounds

Biochemical & Biomaterials:

- Bio-Plastics
- Bio-Surfactants
- Bio-Controls
- Industrial Enzymes

Non-GMP Biorefinery Pilot Plant (Generic and Open Platform)







Herbs and Agro Wastes



Fraunhofer















Sumitomo Heavy Industries Process Equipment Co.,Ltd.





EECi Biorefinery Ecosystem

Human Resource Development

Joint Labs & Centers of Excellence (Research Work & Engineering Capability)





























Bio-based

Material



Scholarship for EECi

















Biorefinery Pilot Plant (Generic & Open Platform) Demand-Led Consortium

















Domestics & International Users

8

R&I Funding & Market Jumpstart

Professional Management

NQI for Biorefinery

Proprietary Tech. Providers

EECi Progress Updates



EECi Ground BreakingCeremony by PM

2019

2020



EECi HeadquarterComplete Jun 2021

Ready to Move in Oct 2021

2022

2021

Progress 50% (as of October 2020)





Biorefinery Pilot Plant (2020–2022)



Greenhouse/
Plant Factory
(2021-2023)



Sustainable Manufacturing Center (SMC) (2021–2025)



3-GeV Synchrotron Facility (2021–2027)

Opportunities for Partnership

© Localization of Advanced Technology for Thailand and ASEAN Market

O Joint Research between International Firm & Research Institutes with Local Counterparts

- Shared use of Advanced Translational Infrastructure in EECi
- Joint Development of Talents
- Other Win-Win Partnering Arrangement!





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



Pool of Talents

EECi

Eastern Economic Corridor of Innovation

Bangkok Office

111 Thailand Science Park,
Phahonyothin Road,
Khlong Nueng,
Khlong Luang,
Pathum Thaini
12120, Thailand



+66 2564 8000



info@eeci.or.th



www.eeci.or.th

