



A Translational Research Platform Supporting ASEAN Bio-based Industries: Opportunities for Partnership

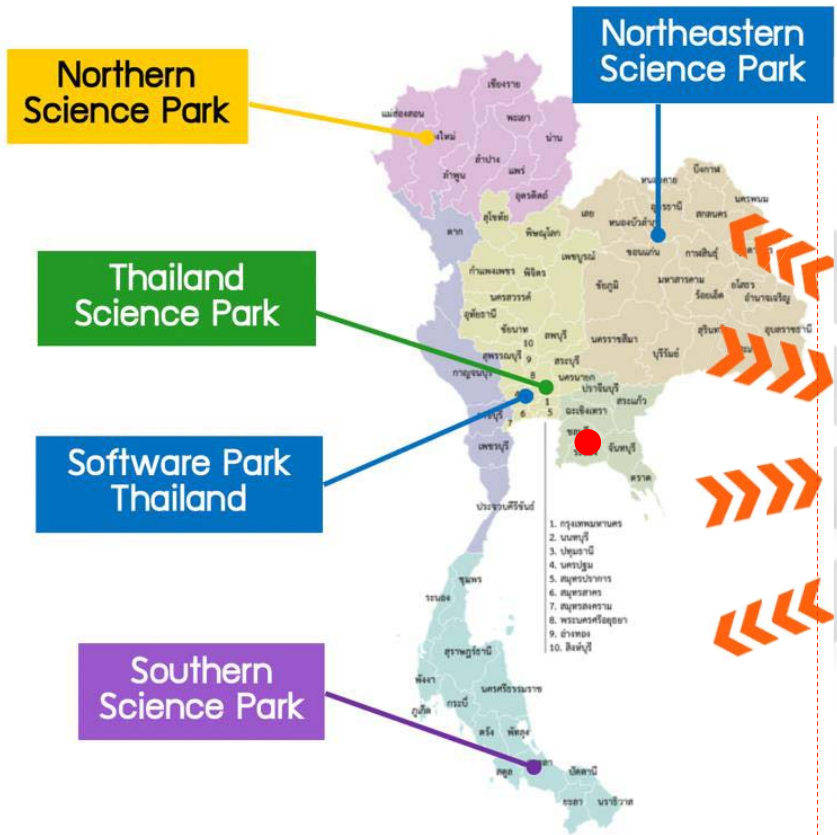
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National Science and Technology Development Agency (NSTDA)

17th November 2020

EECi in-Brief



An Innovation Hub
Linking Research
and Investment



Located at
5.5 km² Wangchan Valley
Rayong Province

Target Industries

- Modern Agriculture & Adv. Biotechnology
 - Bio-Fuels & Bio-Chemicals
 - Medical Devices & Supplies
 - High Performance Battery & Modern Transports
 - Automation, Robotics & Smart Electronics
 - Aviation & Aerospace
- Bio Industries
- Smart Industries



Laboratory
Development

Scale-up, Localization,
Demonstration, Pilot Production

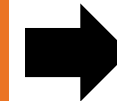
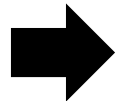
Industrial
Applications

Opportunities for Partnership

- ◎ Globalization of **Advanced Products** from ASEAN's Local Bio-resources
- ◎ Localization of **Advanced Technology** for **Thailand and ASEAN Market**
- ◎ 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!



Biorefinery Pilot Plants @ EECi



GMP and Non-GMP Biorefinery Pilot Plants*
(Generic and Open Platform)

* Approx. 90 mil. Euro investment by Thai Government through NSTDA

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

Herbs and Agro Wastes

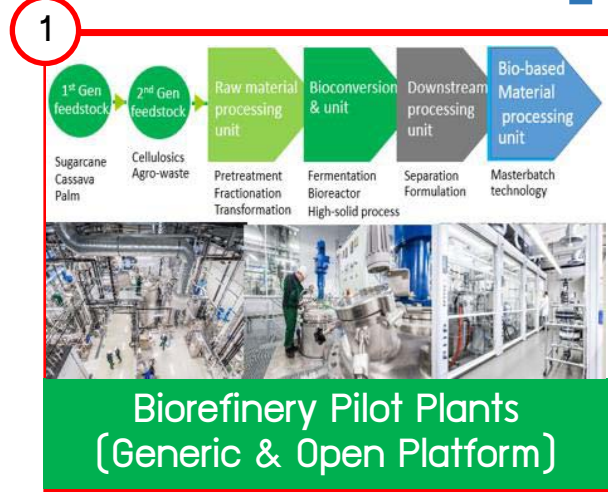
EECi Biorefinery Ecosystem Development

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

5 Human Resource Development



3 International Research Projects & Partnership



6 Demand-Led Consortium



2 Professional Management



7 Domestic & International Users

10 NQI for Biorefinery

9 Proprietary Tech. Providers

8 R&I Funding & Market Jumpstart

EECi

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of Innovation



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Ready for Occupancy in Q4' 2021