



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

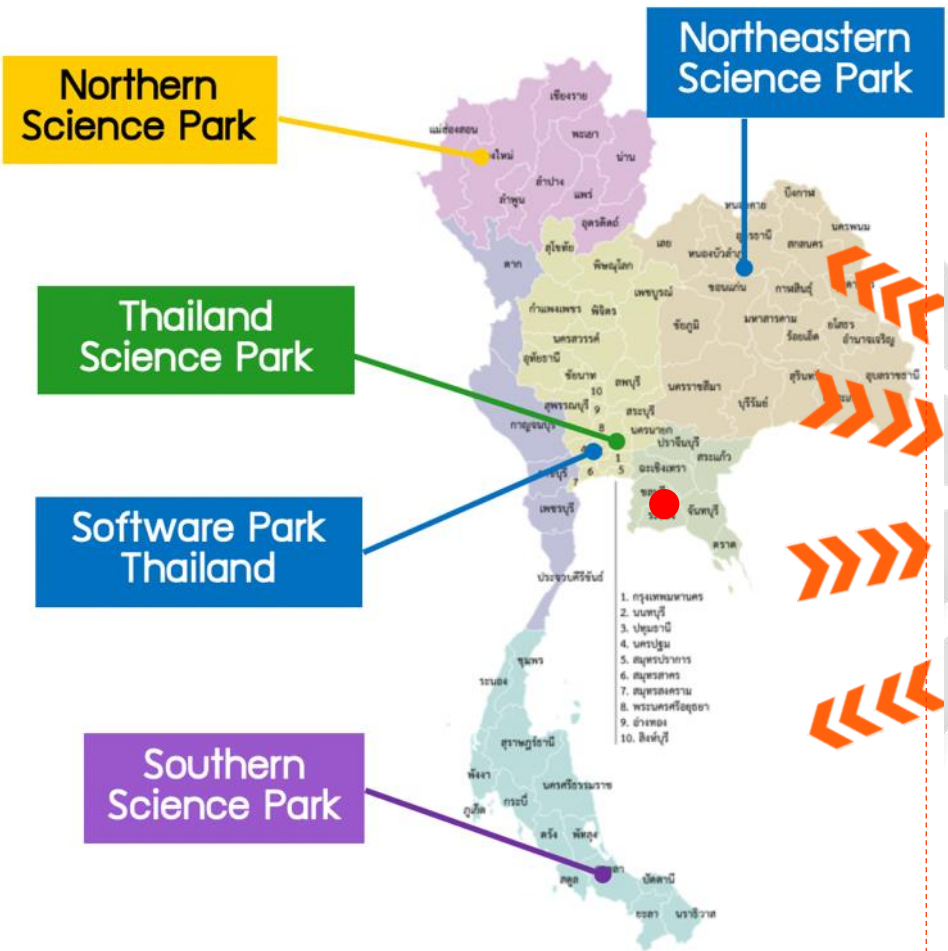
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National Science and Technology Development Agency (NSTDA)

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EECi in-Brief



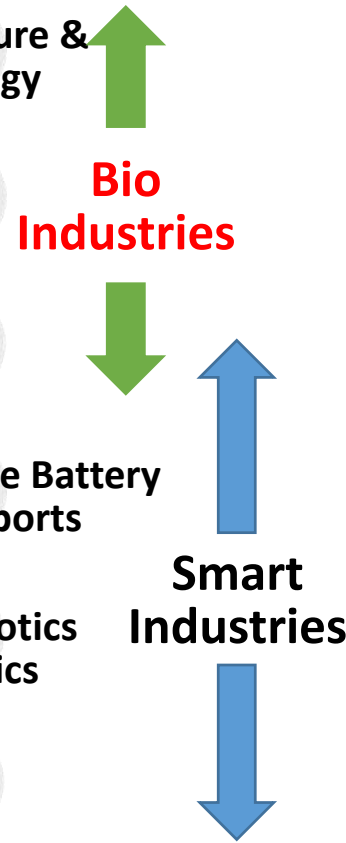
An Innovation Hub
Linking **Research**
and **Investment**



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



**Laboratory
Development**

**Scale-up, Localization,
Demonstration, Pilot**

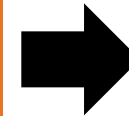
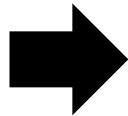
**Industrial
Applications**

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



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

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

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

Herbs and Agro Wastes

EECi Biorefinery Ecosystem Development

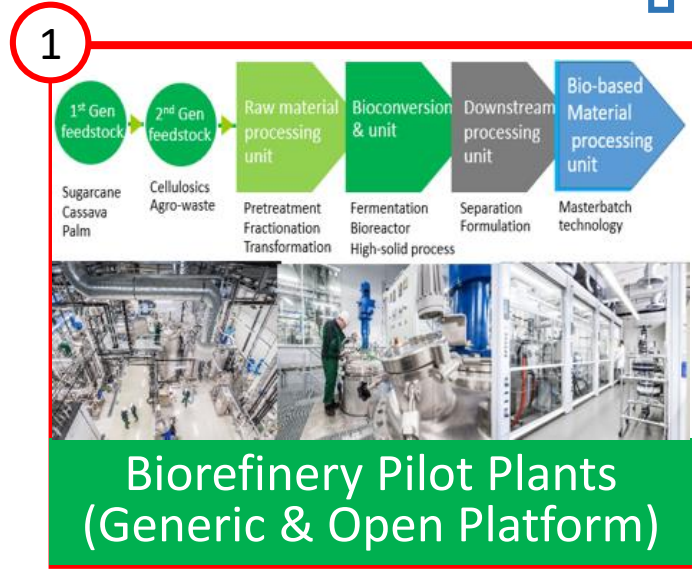
4 Joint Labs & Centers of Excellence
(Research Work & Engineering Capability)



5 Human Resource Development



3 International Research Projects & Partnership



6 Demand-Led Consortium



2 Professional Management



7 Domestic & International Use

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