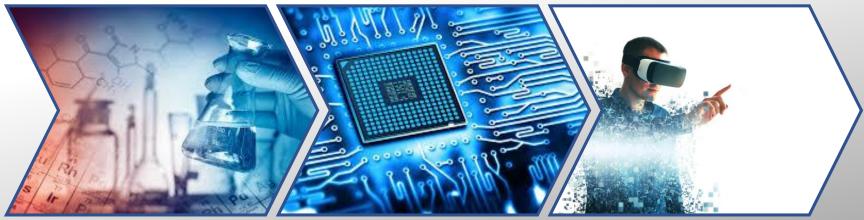
Thailand's Transformation through



Science Technology Innovation

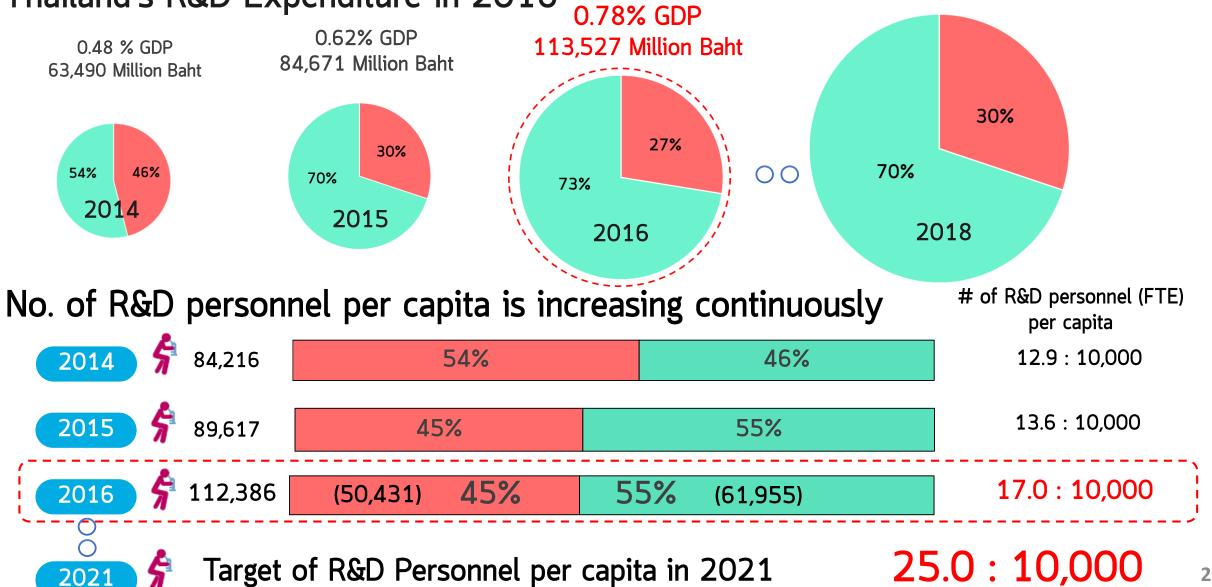


Suvit Maesincee Minister of Science and Technology

19 March 2018

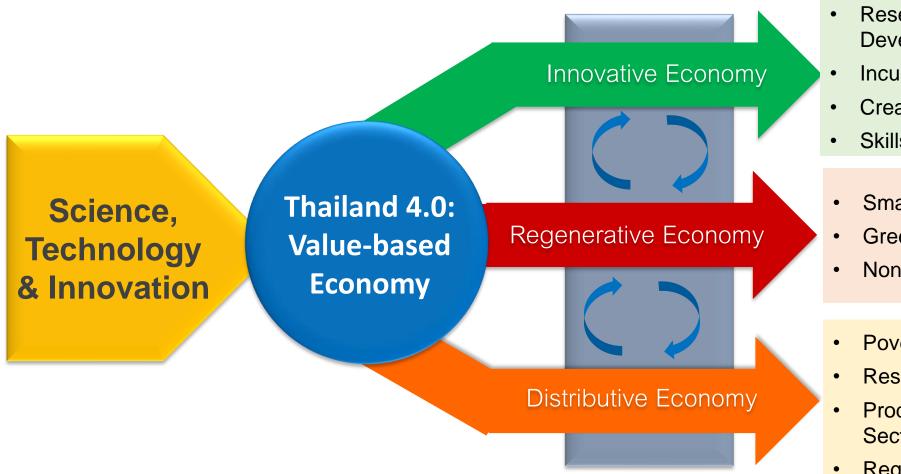


Public Sector Private Sector

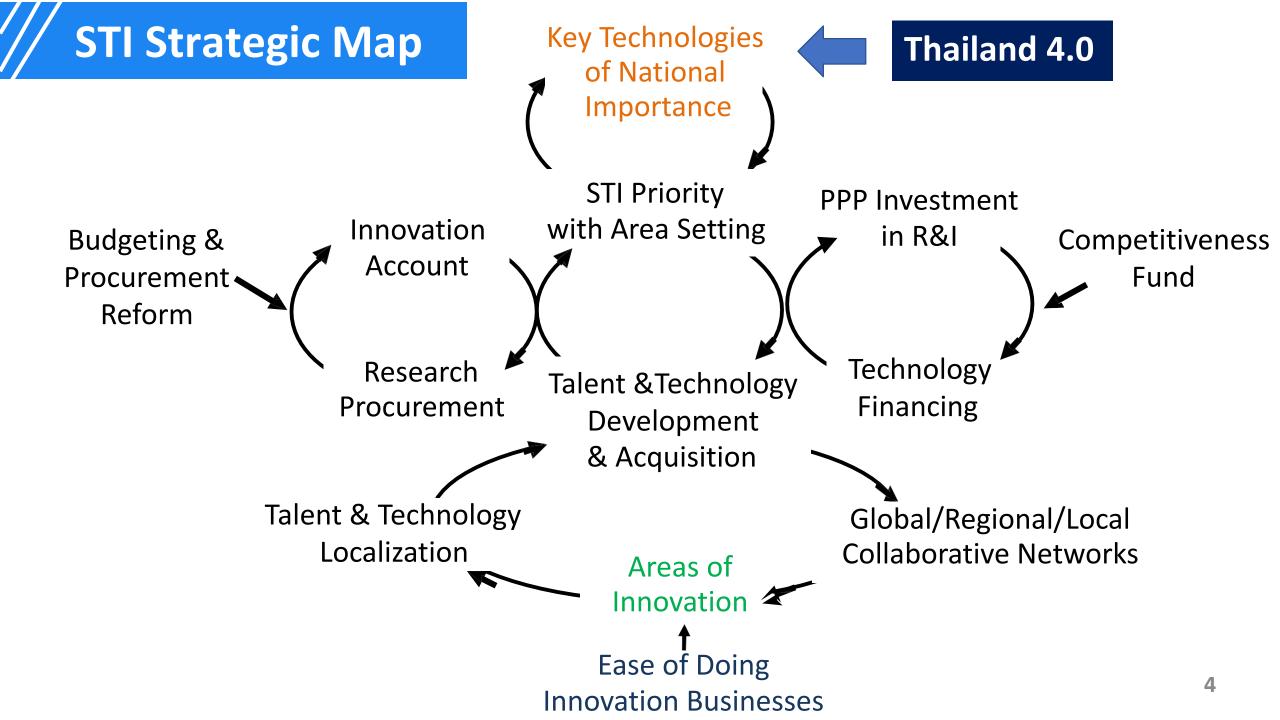


Source: STI (2017)

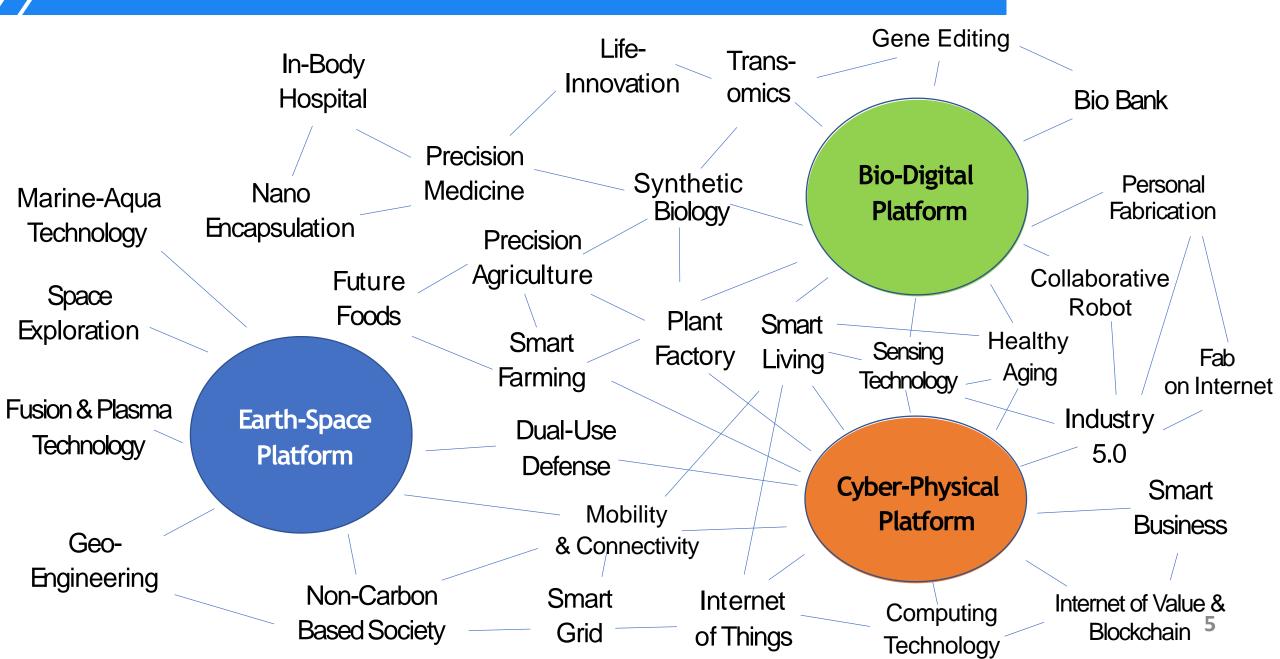
STI as a Key Driver for Thailand 4.0



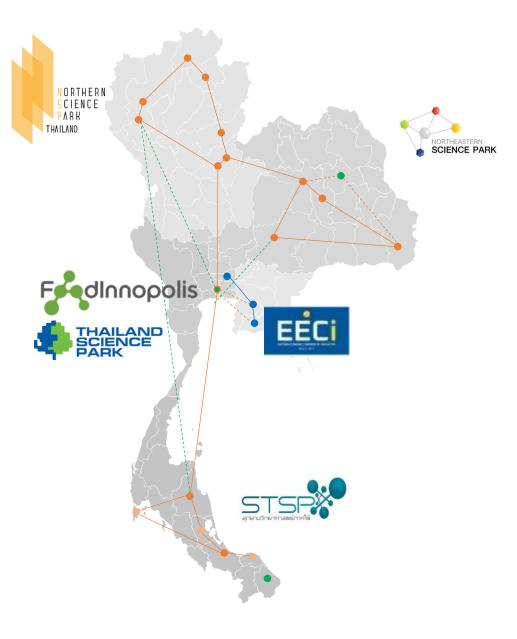
- Ease of Doing Innovation Businesses
- Research & Innovation Cluster Development
- Incubation of Technology, Design, and
- Creativity Entrepreneurs
- Skills Development for the Future
- Smart City and Livable City
- Green Growth Industries
- Non-Carbon Based Society
- Poverty Eradication
- Reskilling, Upskilling & Multiskilling
- Productivity Enhancement of Agricultural Sector and SMEs
- Regional & Provincial Development



Key Technologies of National Importance



Areas of Innovation



Internationalization: EECi



Specialization: Food Innopolis



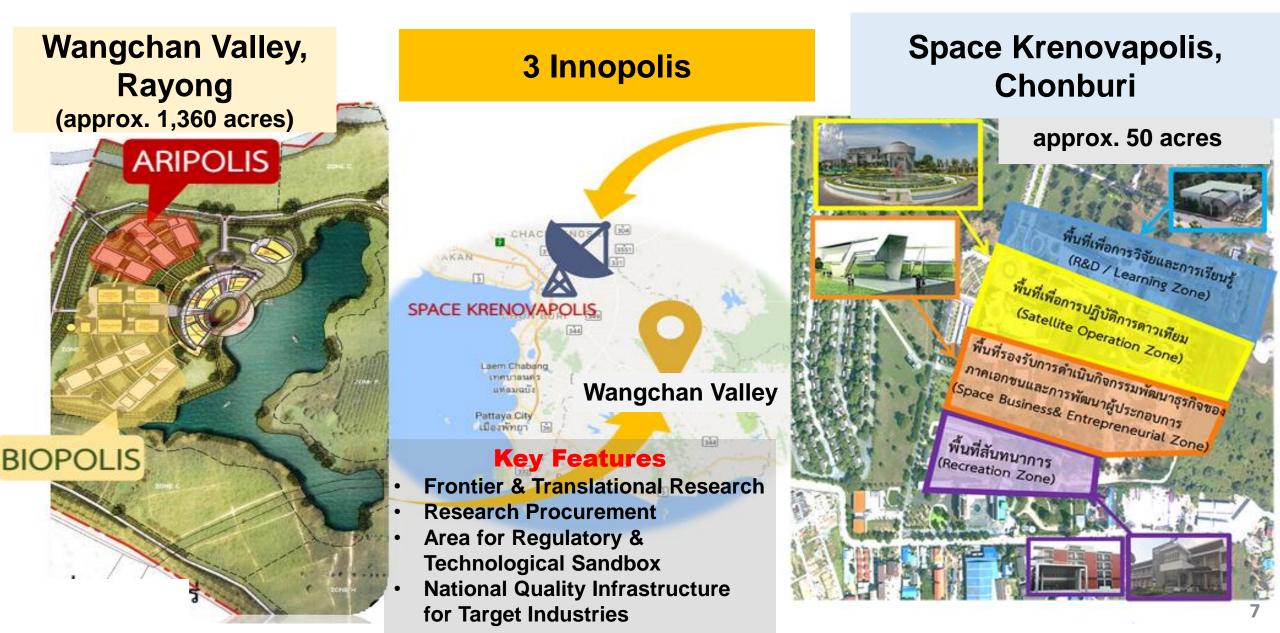
Regionalization: Regional Science Park







Eastern Economic Corridor of Innovation (EECi)



6 Focused Industries in 3 Innopolis



Modern Agriculture & Biotechnology



Biofuels & Biochemicals



& Modern Transports



Intelligent Systems



Medical Devices



Construction Start: Oct 2018 Ready to Operate: Oct 2020

Triple Helix / Quadruple Helix Innovation Ecosystem Open Innovation

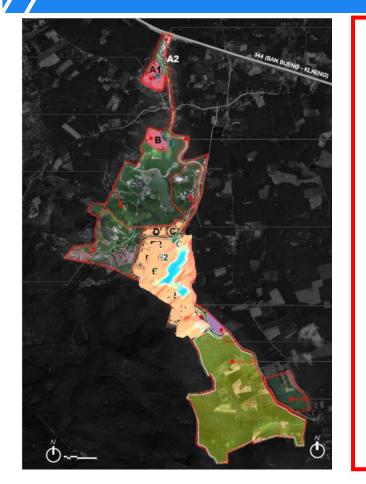


Innovation Clusters



Ready to Operate

EECi at Wangchan Valley



9,000 MB Initial Investment (2013-2016)



Further Investment (2017-2022)

Total Investment in 10 years

3,000 MB⁺⁺ 12,000 MB⁺⁺

KASIKORNTHAI

Remark: Not include investment in basic infrastructures

Bangchak

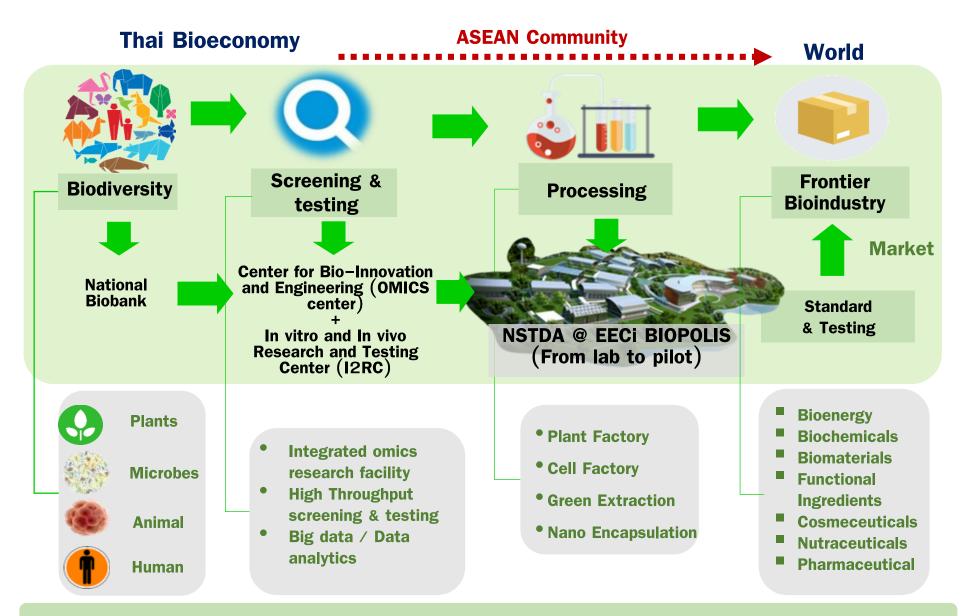
EECi at Wangchan Valley: BIOPOLIS & ARIPOLIS

BIOPOLIS & ARIPOLIS in EECi



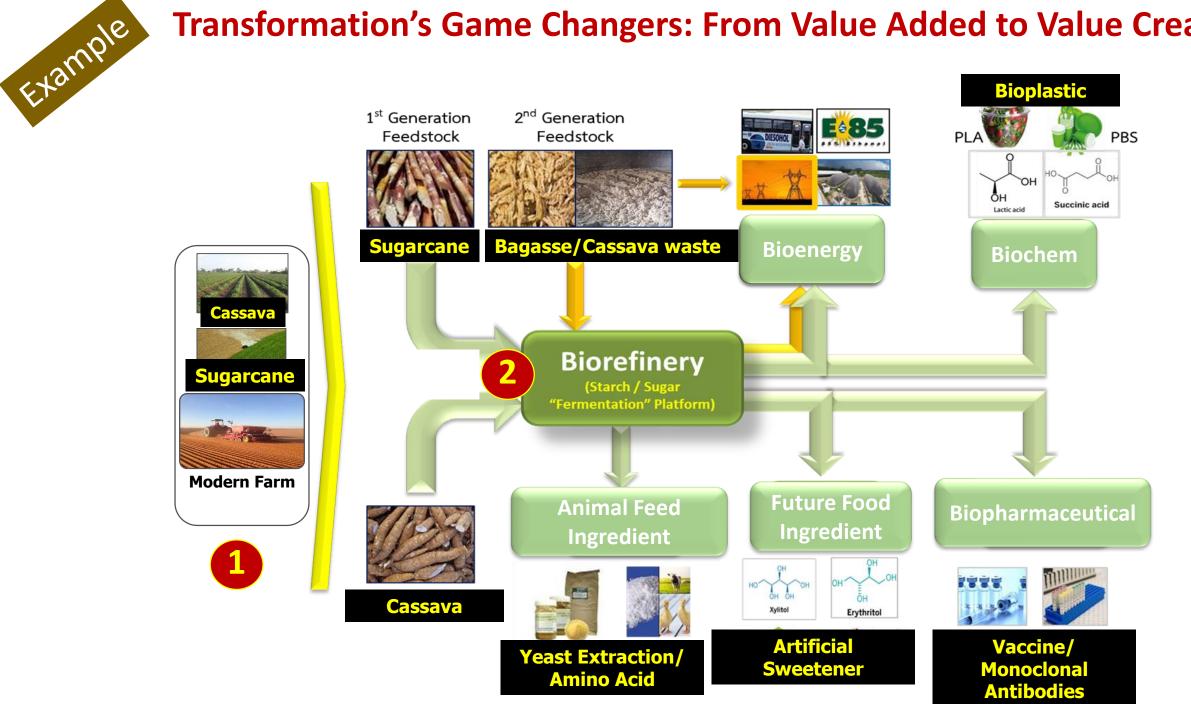


BIOPOLIS: Enabling Platform for Thailand Frontier Bioindustry

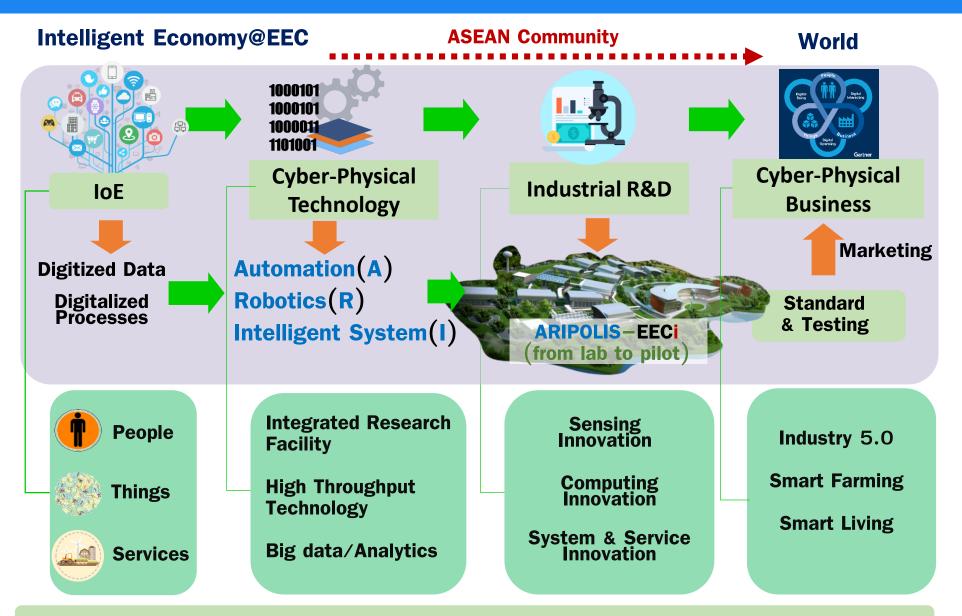


Center for Computational Science + Research and Development Center for Cyber-Physical System

Transformation's Game Changers: From Value Added to Value Creation

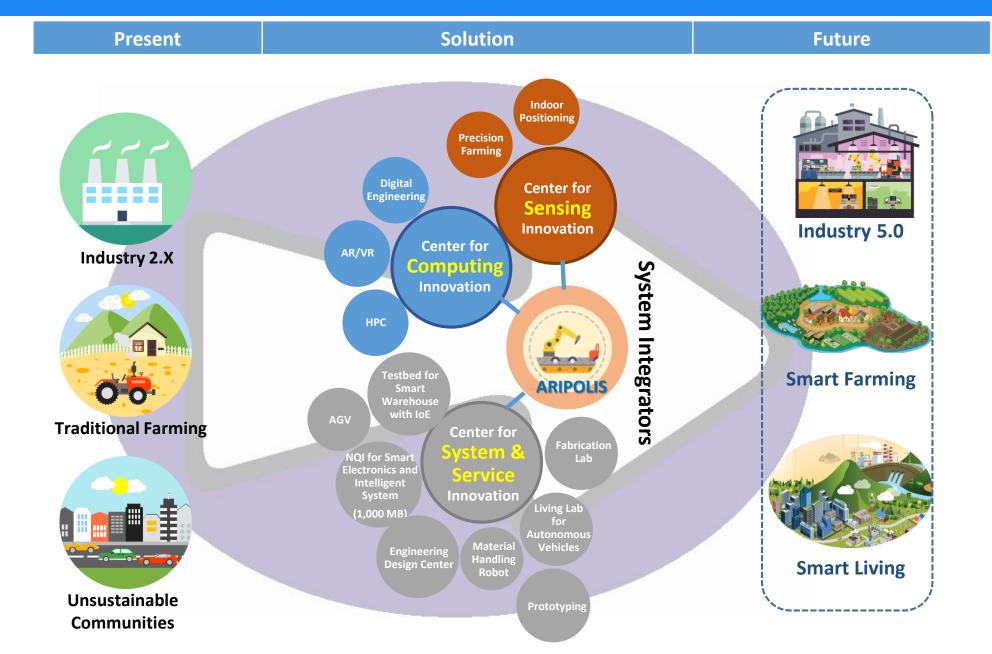


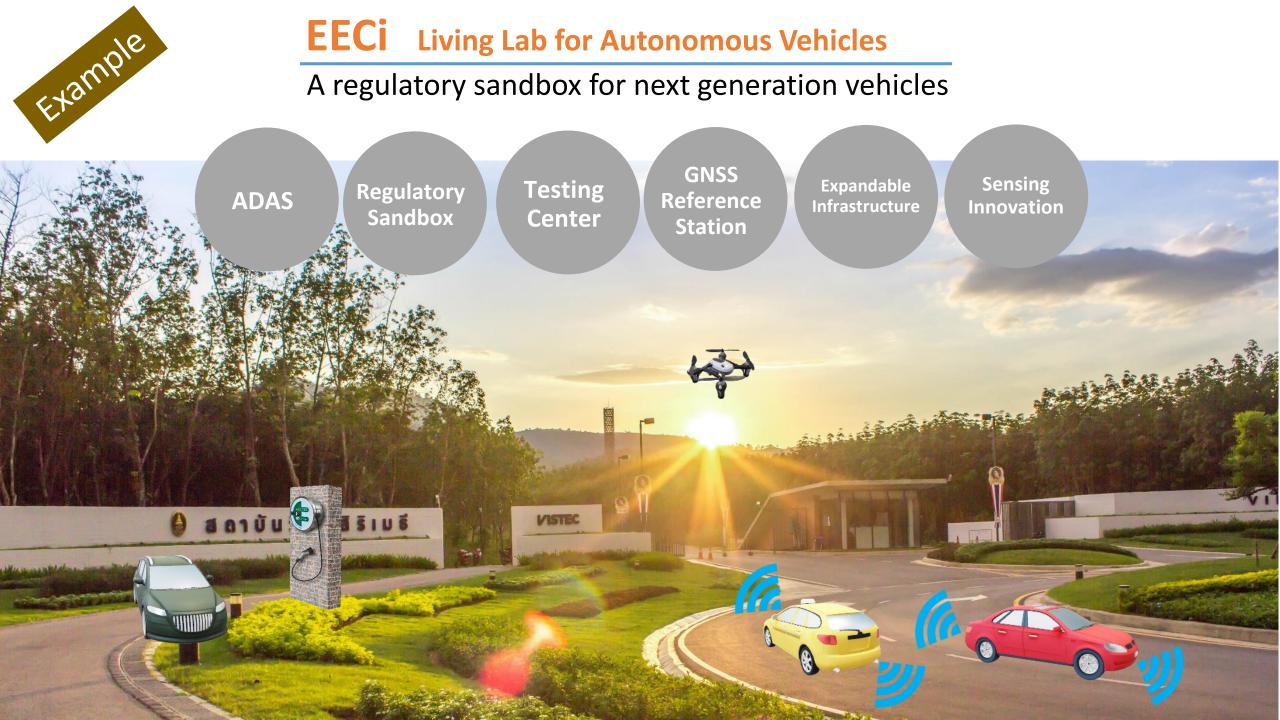
ARIPOLIS: Completing Thailand Intelligent Economy Roadmap



Center for Computational Science + Center for Cyber–Physical System

ARIPOLIS: Enabling Platform for Smart Thailand





EECi at Space Krenovapolis

Infrastructure







: Geo-informatics center



: Air-Space Management and Mission Planning



Space Innovation Projects : In-house Ground - Satellite Innovation

Examples of Partner

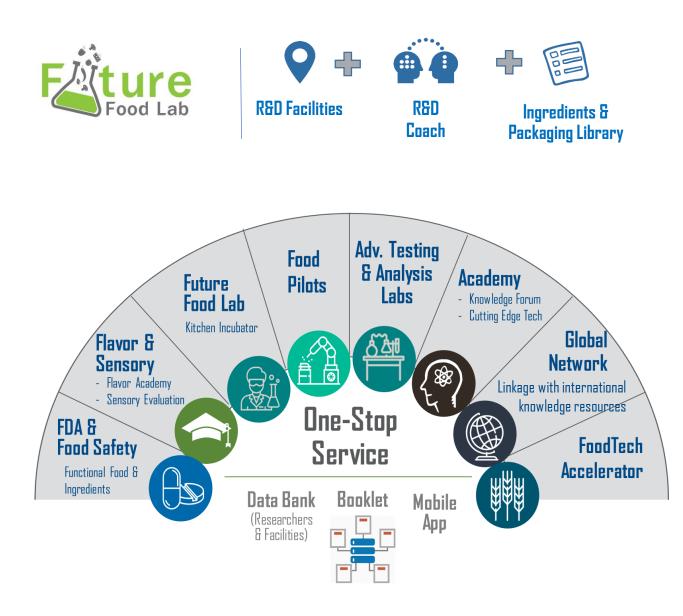








Food Innopolis



Collaborative Network & Partners

- 36 Private Companies
- 23 Universities
- 12 Government Agencies

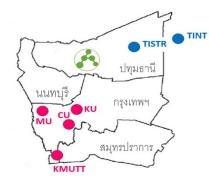


Innovative Instinct

Food Innopolis Development Roadmap

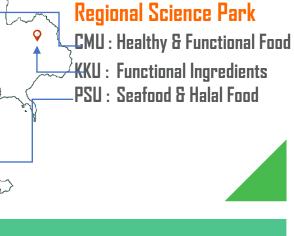
Headquarter





FI Phase I **@** Thailand Science Park

Invite World-Class Food Contract Research Organization (CRO) to establish in Food Innopolis



FI Phase II

@ RSP, Universities, and **Government Agencies**



FI Phase III **@** Private RDI Center

Regional Science Park



Northern Science Park (Chiang Mai)

- Rice Innovation
- Agriculture and Food Processing
- Software & Digital Content
- Energy & Material Innovation

Northeastern	Science	Park
(Khon	Kaen)	

- Smart Devices
- Livestock
- Area-Specific Disease
- Energy Storage

- Southern Science Park (Songkla)
- Rubber-based Research
- Food and Processing
- Healthcare
- Smart Farming

Ease of Doing Innovation Business

- National Quality Infrastructure
- Innovation Lists
- Research Procurement
- Bayh-Dole Act
- Regulatory & Technical Sandboxes
- IP Management System
- Start-Up Business Act
- Etc.