

Opportunities in the Bio-Circular-Green (BCG) Economy and BOI Support Measures

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OUTLINE

1. Why Thailand?
2. Investment Opportunities in BCG Industries
3. BOI Investment Measures and Incentives to Support BCG Industries

AGENDA

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Why Thailand?

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Investment Opportunities in BCG Industries

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BOI Investment Measures and Incentives
to Support BCG Industries

Invest Thailand, Opportunity Beyond the Border of ASEAN



2019 data*

GDP: 540.73 billion USD
GDP Growth: 2.4%
GDP per capita:
8,008 USD
Population: 69.6 million

* Exchange Rate: 31 THB to USD

Source: ¹NESDC (2019)

Strategic location at the center of ASEAN and close proximity to China and India

Robust market due to economic growth and rising middle income class

Well-developed infrastructure

Competitive cost

Liberal investment policy

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Overview of Thailand's Bio-Economy
and Green Industry

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Investment Opportunities in BCG Industries

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BOI Investment Measures and Incentives
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Shaping Traditional Sectors with BCG Model

Food and Agriculture

- Smart Farming
- Smart Greenhouse
- Precision Agriculture
- New Economic Crop and Livestock
- Satellite Imaging



Medical and Wellness

- Gene Therapy
- Vaccine and Biosimilar
- Medical Equipment
- Genomic Data for Personalized Treatment
- Clinical Research
- Tele-Medicine
- Herb Extraction for Cosmetic Products



Energy, Material and Biochemical

- Biomass Power Plant
- Biorefinery Power Plant
- Hydrogen Power Plant



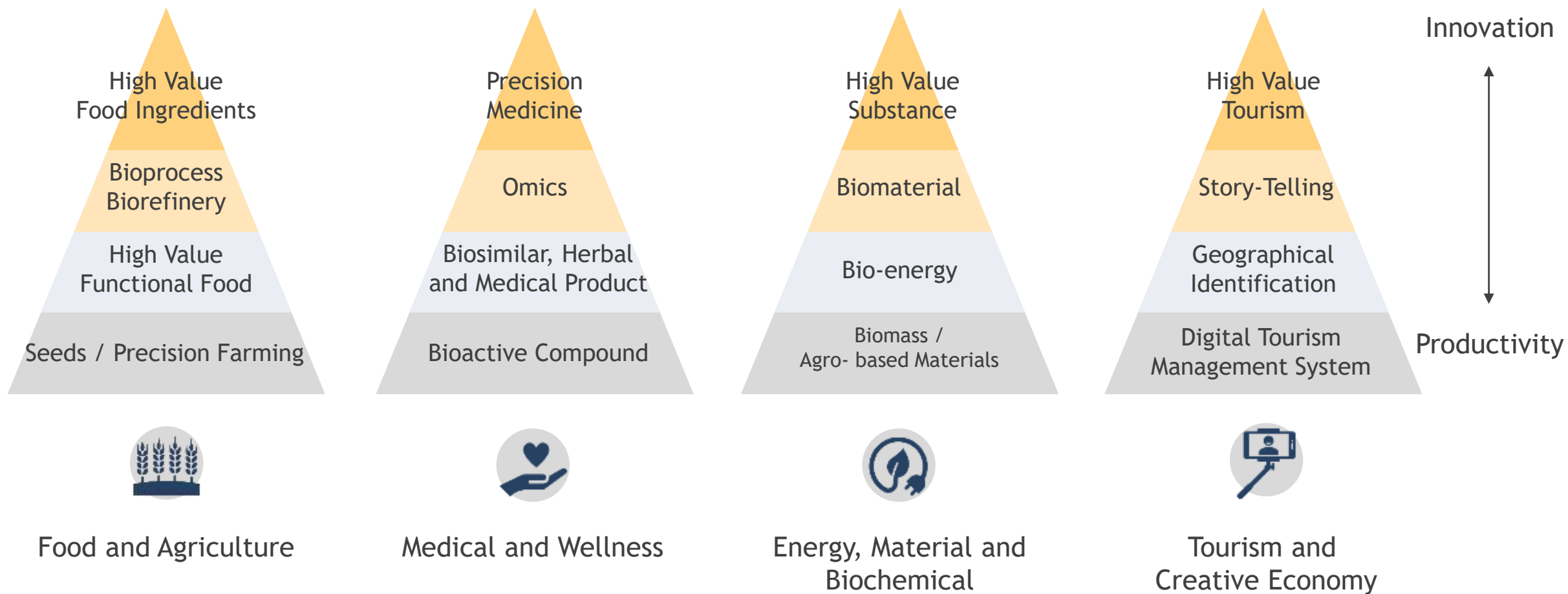
Tourism and Creative Economy

- Wellness Tourism
- Sustainable Tourism
- Creative Cities and Products





Value Creation in Sectors of Opportunities



Food and Agriculture

Medical and Wellness

Energy, Material and Biochemical

Tourism and Creative Economy

BCG Digital Platform

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**BOI Investment Measures and Incentives
to Support BCG Industries**



BOI Incentives



Tax Incentives

- Exemptions of Corporate Income Tax 3-10 years
- Exemptions / Reductions of Import Duties on Machinery
- Reduction of Import Duties on Raw Materials
- Exemption of Import Duties on R&D Materials
- Double Deduction on Cost of Transportation, Electricity and Water
- 25% Deduction on Installation or Construction of Facilities
- Exemption of Import Duty on Raw Materials Used in Production for Export



Non-Tax Incentives

- Permit for Foreign National to Enter Kingdom to Study Investment Opportunities
- Permit to bring in Skilled Workers and Experts to Work in Investment Promoted Activities
- Permission to Own Land
- Permit to Remit Money Abroad in Foreign Currency
- No Local Content Requirement
- No Export Requirements
- No Restriction on Foreign Currency
- Visa Facilitation

Standard Product-Based incentive Packages

		Exemption CIT	Exemption Import duties on machinery	Exemption Import duties on raw materials	Non-tax incentives
<div>8 years</div> <div>CIT exemption</div> <div>0 year</div>	A1	Knowledge-based activities focusing on R&D and design to enhance the country's competitiveness	8 + Merit years no cap	✓	✓
	A2	Infrastructure activities for the country's development, activities using technology to create value-added, with no or very existing investments in Thailand	8 + Merit years	✓	✓
	A3	High technology activities which are important to the development of the country, with a few investments already existing in Thailand	5 + Merit years	✓	✓
	A4	Activities with lower technology than A1-A3 but which add value to domestic resources and strengthen the supply chain	3 + Merit years	✓	✓
	B1	Supporting industry that does not use high technology, but is still important to the value chain	- + Merit years	✓	✓
	B2	Supporting industry that does not use high technology, but is still important to the value chain	- years	✓	✓

BOI Investment Incentive Scheme

Standard Incentives

Activity-Based



≤ 8 years CIT exemption

Technology-Based

- Targeted Core Technologies -



Bio-Technology Digital Technology Nano-Technology Advanced Material Technology

10 years CIT exemption



Additional Incentives

Merit-Based

- Research & Development (R&D)
- Support academic / research institutes, or technology and human resource development fund
- IP licensing fee
- Advanced technology training
- Development of local suppliers
- Product and packaging design

Area-Based


- EEC 3 provinces
- SEZ 10 provinces
- Southern border provinces
- 20 provinces with lowest income
- Industrial Estates/Zones
- Science and Technology Parks (TSP, Food Innopolis, Space Krenovation Park)



Investment Incentives for BCG Industry

	Bioenergy and Biofuels	Biotechnology R&D	Waste and Recycling	Eco-friendly Chemicals/Polymers
A1 8 years CIT exemption (with no cap)	<ul style="list-style-type: none">Electricity or electricity and steam from garbage or refuse derived fuel	<ul style="list-style-type: none">R&D activity of manufacturing using biotechnologyRaw materials and/or essential materials for molecular biological R&DBiological substance analysis and/or relevant activities	-	-
A2 8 years CIT exemption	<ul style="list-style-type: none">Electricity or electricity and steam from renewable energyFuel from agricultural productsFuel from agricultural scrap or garbage or waste	-	<ul style="list-style-type: none">Waste treatment or disposal	<ul style="list-style-type: none">eco-friendly chemicals or polymers or manufacture of products from eco-friendly chemicals or polymers
A3 5 years CIT exemption	<ul style="list-style-type: none">Biomass briquettes and pellets	-	<ul style="list-style-type: none">Recycling and reuse of unwanted materials	<ul style="list-style-type: none">Products from eco-friendly polymers




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