

การสัมมนาเผยแพร่รายงานคาดการณ์และการวิเคราะห์มาตรการด้านการค้าและการลงทุนในอนาคตสำหรับ MSMEs

การเสวนาหัวข้อ “อนาคตอุตสาหกรรมพลังงานของไทย”  
ประเด็นนำเสนอ **“มุมมองผู้ประกอบการภาคการผลิตเพื่อการส่งออก”**

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23 กันยายน 2567

• Logistics • Trade Facilitation • Innovation • Sustainability

THAI 2 GLOBAL VALUE CREATION

# TRADING NATION

## Thailand Vision 2032: To Be Developed Country

(in term of Income per capita, GDP per capita, and Human Development Index : HDI)

Baseline data 2023: Income per capita = \$7,180 USD | GDP per Capita = \$7,349.6 USD | HDI = Ranking 66/193, Score 0.803

**Target:** Export Growth more than 5% per year and SMEs contribute more than 50% of GDP

Baseline data 2023: Proportion SMEs per GDP = 35.3% | Average Export Growth (last 10 years) = 2.5% annual

## Ignite Innovation, Strengthen Competitiveness and Embrace Sustainability

Domestic Trade + Border Trade + International Trade + Services : Based on Smart Agriculture and Industries with Global Standards and Global Value Chains

Global Supply Chain / Global Sourcing

Regional Center/Hub

on Trading, Investment, Finance, IT, Logistics

Global Market / Global Demand Chain

Global Business + Global Investment + Global Value Chain of 30 Products and Services

R&D, Branding, and Design

Upstream Industry

Midstream Industry

Downstream Industry

Service Industry

Distribution, Marketing

Trader, Merchandiser

### Ignite Innovations

- Innovation and R&D Reformation
- Regional Design Center
- Global Patent & Branding

### Trade Environment

- Monetary & Fiscal Policy
- Supply Chain Financing
- Investment Policy
- FTA & Mini FTAs
- Political Security
- Socio-Cultural Link
- Fair Competition
- Good Governance

### Logistics Connectivity & Network Integration

- Multimodal Transport (Land-Sea-Air)
- Cross Border Trade Facilitation
- Logistics Service Reform (Public & Private)

### Embrace Sustainability

- Green Logistics & Supply Chain
- Carbon Footprint, Calculation & Solution
- Renewable Energy
- Circular Economy
- BCG, ESG

### Standardization & Productivity

- Regional & Global Standardization
- Inspect & Certified National Center
- Lean & Automation
- Liberization & Privatization

### Digital Economy

- National & ASEAN Single Window
- Fully Integration of Digital Infrastructure for Global Trading
- E-Government
- Cybersecurity

### Capacity Building & Labor Supply

- Education Reform
- Global Merchandiser Roadmap for all sectors
- AEC Labor Supply & Development

Community & Society

Government

Academy

### Production

- Ministry of Industry
- Ministry of Agriculture and Cooperatives
- Ministry of Science and Technology
- Board of Investment etc.

### Trade / Services

- Ministry of Commerce
- Ministry of Tourism and Sports
- Ministry of Culture
- Ministry of Foreign Affair
- Ministry of Transport etc.

### Finance

- Ministry of Finance
- Bank of Thailand
- Board of Investment
- The Stock Exchange of Thailand
- EXIM Bank etc.

### Infrastructure

- Ministry of Transport/EEC
- Ministry of Energy
- Ministry of Natural Resource and Environment
- Ministry of Finance etc.

### Education/Labor

- Ministry of Education
- Ministry of Labor
- Ministry of Digital, Economic and Society
- Ministry of Industry
- Ministry of Finance etc.

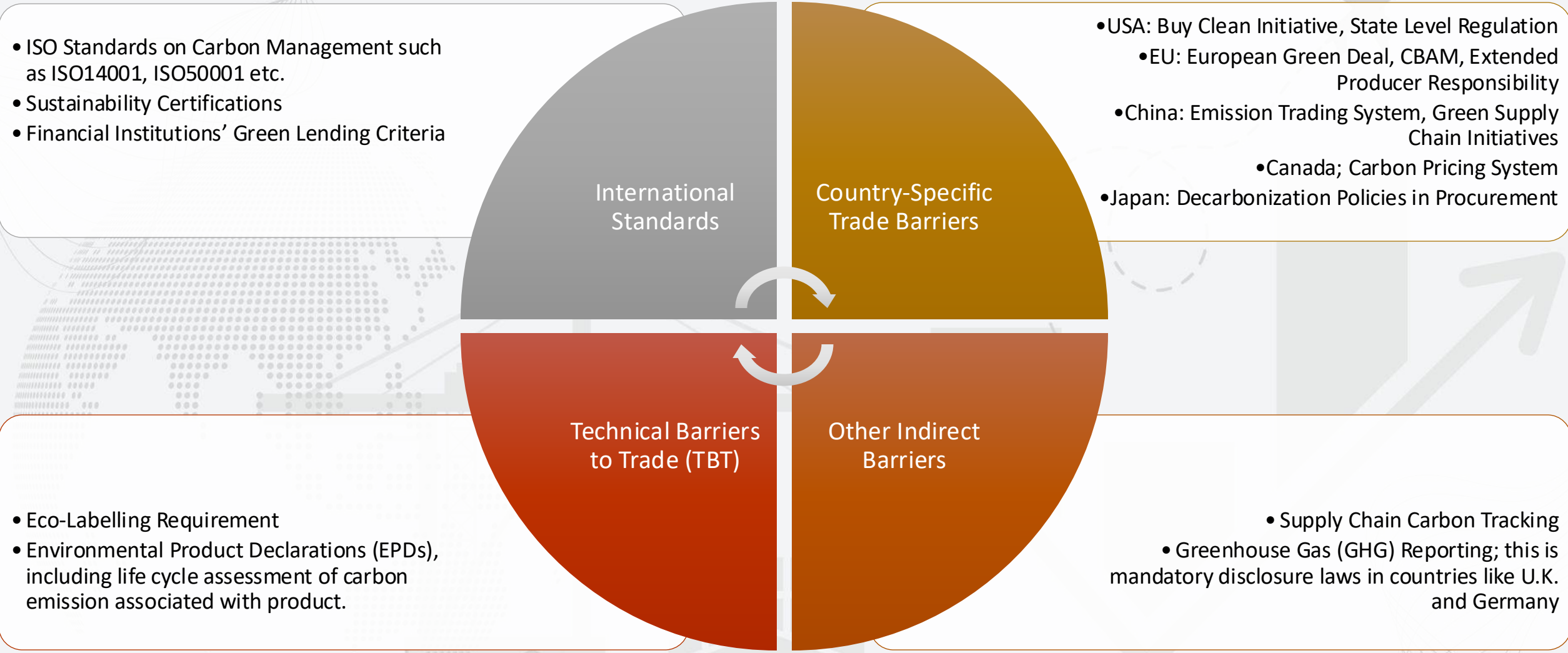
### Technology

- Ministry of Digital, Economic and Society
- Ministry of Science and Technology
- Ministry of Industry
- Ministry of Finance etc.

### Environment

- Ministry of Natural Resources and Environment
- Ministry of Energy
- Ministry of Transport
- Ministry of Industry etc.

National Integrated Strategy + Long-term Budget + Laws & Regulation + Driving Mechanism + Strong & Smart Leadership



<h3>1. Financial Support and Incentives</h3> <ul style="list-style-type: none"> <li>Subsidies and grants to invest in energy-efficient technologies, renewable energy installations, other efforts.</li> <li>Tax incentives</li> <li>Green financing</li> </ul>	<h3>2. Technical Assistance and Capacity Building</h3> <ul style="list-style-type: none"> <li>Training programs</li> <li>Consultancy services to help companies perform carbon footprint assessments, implement energy-saving technologies, and navigate international certification processes.</li> </ul>	<h3>3. Public-Private Partnerships (PPPs)</h3> <ul style="list-style-type: none"> <li>Collaborating with industry association to create sector-specific decarbonization roadmaps and provide tailored support to exporters.</li> <li>Supporting R&amp;D projects</li> </ul>
<h3>4. Strengthening Domestic Carbon Markets</h3> <ul style="list-style-type: none"> <li>Establishing or expanding a carbon trading system</li> <li>Promoting carbon offset programs will help exporters meet their decarbonization commitments.</li> </ul>	<h3>5. Enhancing Policy and Regulatory Frameworks</h3> <ul style="list-style-type: none"> <li><b>Stricter domestic environmental regulations***</b></li> <li>Harmonizing standards with global trade partners</li> </ul>	<h3>6. Promote Green Supply Chains</h3> <ul style="list-style-type: none"> <li>Encouraging green logistics and infrastructure such as electrified transport, efficient ports, and smart logistics solutions, which can help exporters lower their carbon footprints.</li> <li>Encouraging renewable energy adoption</li> </ul>
<h3>7. Digital Transformation Support</h3> <ul style="list-style-type: none"> <li>Invest in carbon management platforms to track, monitor, and report carbon emissions, which will be critical for exporters as they aim to comply with international carbon reporting requirements.</li> <li>Encouraging digitalization of supply chains</li> </ul>	<h3>8. Trade and Export Promotion Initiatives</h3> <ul style="list-style-type: none"> <li>Green export incentives such as introduce preferential treatment or trade incentives for companies that export low-carbon products, including streamlined customs procedures or reduced fees for certified green exporters.</li> <li>Showcasing green Thai products</li> </ul>	<h3>9. Regional and International Collaboration</h3> <ul style="list-style-type: none"> <li>Leveraging trade agreements by include provisions related to climate change and decarbonization in future trade agreements, ensuring that Thai exporters have access to key international markets with reduced trade barriers related to carbon.</li> <li>Partnering with international agencies can help Thai exporters navigate international standards more effectively.</li> </ul>

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Option	1. Electric Trucks (Battery Electric Vehicles – BEVs)	2. Hydrogen Fuel Cell Trucks	3. Liquefied Natural Gas (LNG) Trucks	4. Compressed Natural Gas (CNG) Trucks	5. Biofuels (Biodiesel and Renewable Diesel)	6. Hybrid Trucks (Diesel-Electric or Gas-Electric)
Advantage	<ul style="list-style-type: none"> <li>• Zero Tailpipe Emissions</li> <li>• Energy Efficiency</li> <li>• Maintenance Costs</li> <li>• Potential for Renewable Energy</li> </ul>	<ul style="list-style-type: none"> <li>• Longer Range</li> <li>• Fast Refueling</li> <li>• Zero Emissions</li> </ul>	<ul style="list-style-type: none"> <li>• Lower Emissions</li> <li>• Existing Infrastructure</li> <li>• Lower Fuel Costs</li> </ul>	<ul style="list-style-type: none"> <li>• Lower Emissions</li> <li>• Established Technology</li> <li>• Lower Fuel Costs</li> </ul>	<ul style="list-style-type: none"> <li>• Compatibility with Existing Trucks</li> <li>• Lower Emissions</li> <li>• Domestic Production</li> </ul>	<ul style="list-style-type: none"> <li>• Improved Fuel Efficiency</li> <li>• Flexibility</li> <li>• Reduced Fuel Costs</li> </ul>
Challenge	<ul style="list-style-type: none"> <li>• Range Limitations</li> <li>• Charging Infrastructure</li> <li>• Higher Upfront Costs</li> </ul>	<ul style="list-style-type: none"> <li>• High Costs</li> <li>• Limited Infrastructure</li> <li>• Energy Efficiency</li> </ul>	<ul style="list-style-type: none"> <li>• Methane Emissions</li> <li>• Refueling Infrastructure</li> <li>• Range</li> </ul>	<ul style="list-style-type: none"> <li>• Lower Energy Density</li> <li>• Infrastructure Constraints</li> </ul>	<ul style="list-style-type: none"> <li>• Feedstock Limitations</li> <li>• Mixed Environmental Impact</li> <li>• Blending Limits</li> </ul>	<ul style="list-style-type: none"> <li>• Moderate Emission Reduction</li> <li>• Cost</li> </ul>
Suitability	short- to medium-distance delivery routes	long-haul transportation	medium- to long-distance routes	short- to medium-haul operations	immediate solution for reducing emissions in existing fleets	good option for urban and regional delivery routes

## How can Government support to facilitate the transition?

**1) Infrastructure Development**

**2) Incentive for Fleet Transition**

**3) Public-Private Partnerships**

**4) Regulation and Standards**

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# THANK YOU



**TNSC**  
30<sup>th</sup> Anniversary

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