Why Thailand: Investment opportunities in Thailand's Automotive Industry



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Why Thailand

Overview of the Thai Automotive Industry

Investment Opportunities



- 1. Provide comprehensive information and advice on establishing operations in Thailand
- 2. Coordinate between the foreign business community and other public agencies
 - 3. Grant "Tax-based incentives" and "Non-Tax incentives
 - 4. Provide Business Support Services for Investors: Sourcing Services and SMEs Competitiveness Development





BOI Investment Promotion Measures

Policy

Tax Incentives

Non-tax Incentives

100% foreign ownership

Exemption of import duties on machinery

Land ownership

No local content requirements

Exemption of import duties on raw or essential materials imported for export

Work permit & visa facilitation

No export requirements

Exemption of import duties on goods imported for R&D

No restriction on foreign currency

Corporate income tax exemption up to 13 years

50% CIT reduction 5 years







Why Thailand

Overview of the Thai Automotive Industry

Investment Opportunities

Location & Market Access





8th Largest Economy Globally (USD 2.7 Trillion)



The Thai Market

- Population: 69 Million¹
- Middle Class Consumers:
 52 Million²

CLMVT

- 242 Million Consumers³
- Within 1,000 KM

ASEAN Economic Community

- 645 Million Consumers⁴
- 5th Largest Economy Globally (USD 3.0 Trillion)
- ASEAN FTA / ASEAN Connectivity

Greater Asia Region

- 4.6 Billion Consumers⁵
- Within 5,000 KM



Memberships & Free Trade Agreements



13 Free Trade Agreements (FTAs)

Near tariff-free trade with 18 nations FTA partner Trade Volumes increased 4 times in 5 years

Highest Volume FTA (2018)



ASEAN USD 90.74 Billion



China USD 65.15 Billion



Japan USD 48.73 Billion

1

The Reach of Thailand's Current and Potential FTA Network

FTAs/RTAs Already Entered Into Force

ASEAN Free Trade Area

Thailand-<u>India</u> Free Trade Area

Thailand-<u>Australia</u> Free Trade Agreement (TAFTA)

ASEAN-China Free Trade Area

Thailand-New Zealand Closer Economic Partnership

<u>Japan</u>-Thailand Economic Partnership Agreement

ASEAN-<u>Japan</u> Comprehensive Economic Partnership

ASEAN-Korea Free Trade Area

ASEAN-<u>India</u> Free Trade Area

ASEAN-<u>Australia-New Zealand</u> Free Trade Area

Thailand-<u>Peru</u> Closer Economic Partnership

Thailand-**Chile** Free Trade Agreement

The ASEAN - Hong Kong, China Free Trade Agreement



Under Negotiation

RCEP

- Signed in November of 2020

Thailand-Pakistan / Thailand-Turkey / Thailand-Sri Lanka

- Under negotiation

Thailand-EU / Thailand-EFTA

Under preparation for restarting FTA negotiation



Transport Infrastructure Connecting Thailand with the Rest of ASEAN

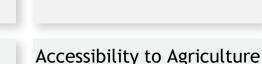


Tracking & Facilities Improvement

Dual Track Development



Public Transport Network & Services



Implementation of 10 Metro Lines

Construction of Roads & Bridges

Procurement of 3,183 NGV Buses and Depots



International Connectivity Hub



Inland Port Development

Coastal Port Development



Airport Capacity Expansion

Enhancement in Air Traffic Management Capability

Increased Fleet Utilization

Air Transport Industrial Park

Human Resource Development

Connectivity Between Hub

& Tourist Areas

& Key Production Bases

Connectivity between Gateways

Promoting Seamless Multi-Modal Transport

*Plan initially outlined in 2018

110 Projects: Investment Cost THB 1.91 Trillion (USD 6.02 Billion)

Note: Exchange Rate 1 USD = 31.7 THB (As of 28 September 2020, Bank of Thailand) Source: Ministry of Transport (2019), Thai Journal (2016)



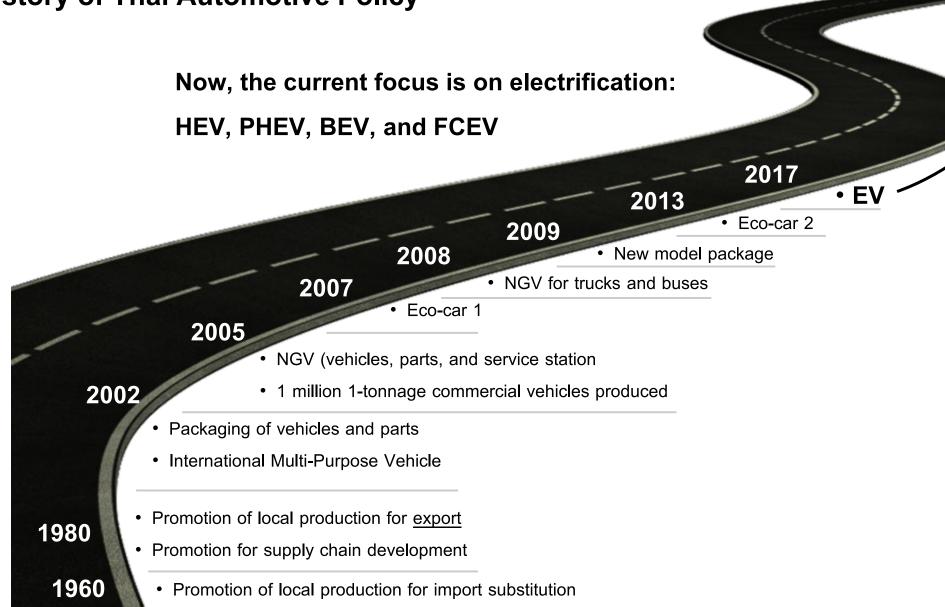


Why Thailand

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Investment Opportunities

History of Thai Automotive Policy

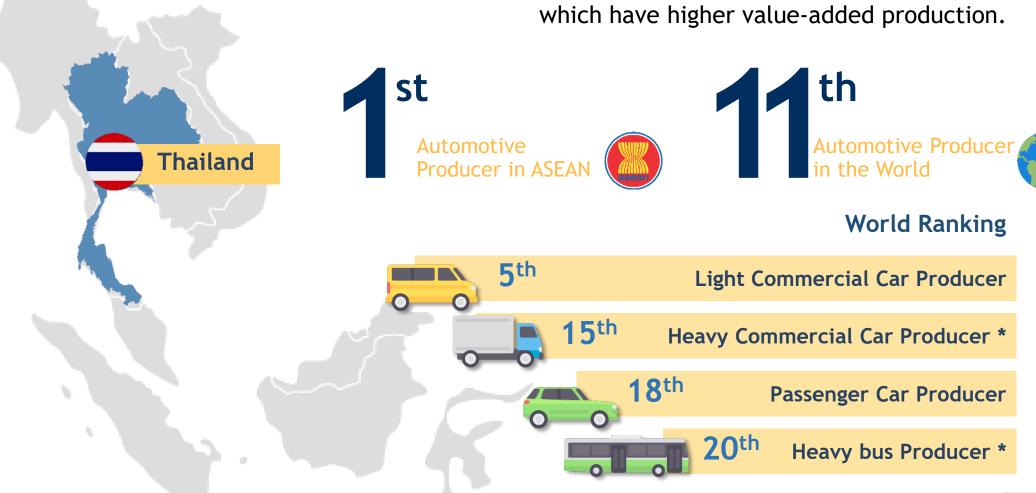






Thailand as an Automotive Hub in ASEAN

Thailand continuously accelerates its next-generation automotive industry in line with the government's promotion of new S-curve industry which have higher value-added production.



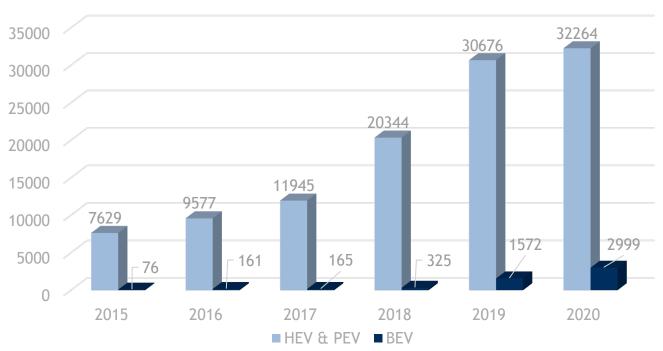




Current Status of Thailand's EV Markets

Number of New EV Registration (Units)





New BEV Registration by Vehicle Types in 2020

Vehicle Types	Units
Motorcycle	3125
Passenger Car	2,202
Motor-Tricycle	235
Truck and Bus	120



THAILAND BOARD OF INVESTMENT



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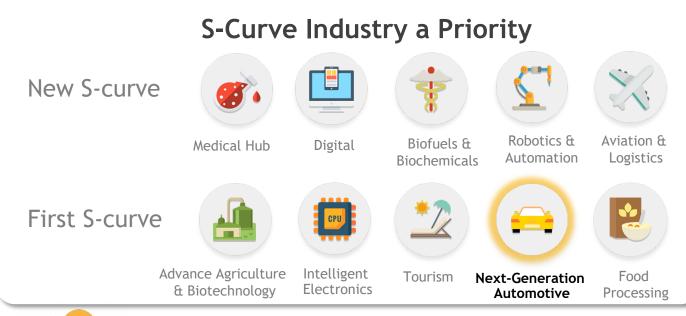
Investment Opportunities

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Next Generation Automotive as One of Strategic Sectors

THAILAND 4.0

New Economic Policy for Creativity + Innovation Smart Thailand







With a goal to become a leader in **next-generation automotive** and **green automotive production base**, Thailand embrace the new breakthrough technology of electric vehicle (EV).



Investment xEV Project in Thailand

78,000 MB

27 Projects

Status

HEV

(50,366 MB)

PHEV

(11,443 MB)

(15,625 MB)

Battery **Electric Bus**











Production













Production



(665 MB)









TOYOTA









Production





Investment





Forecasted Number of Electric Vehicles 2017-2036



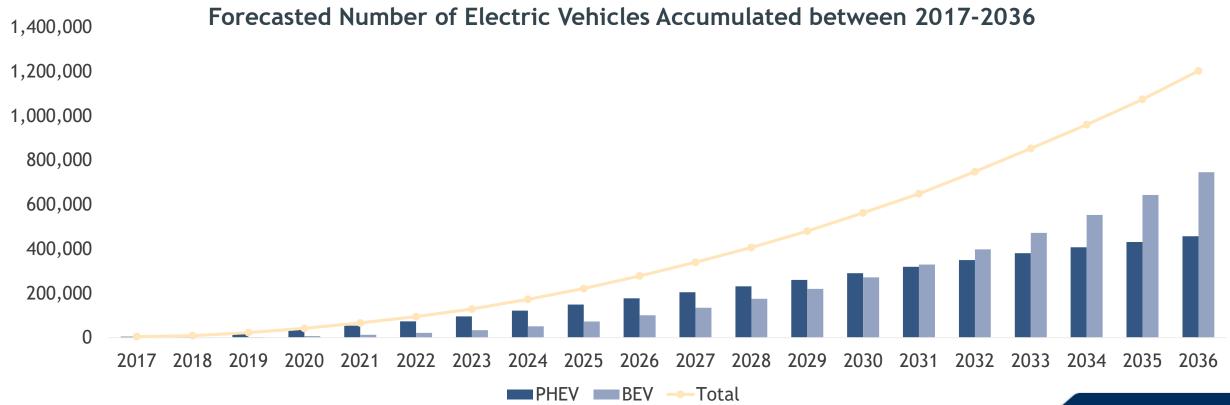
Thailand set standards to reduce greenhouse gas emissions such as exhaust standards.



Tax measures include the reduction of public fuel taxes and the exemption of fuel taxes that reduce greenhouse gas emissions



Promoting financial support regarding the measures that promote environmentally friendly vehicles and transportation measures







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Investment Opportunities

Investment Promotion Campaign Outlines for the EV Industry

Electric Vehicle



- HEV, PHEV, BEV
- Incentives varied by the electric driving technology

EV Parts



- Core technology:

 Battery, Traction
 Motor, BMS, DCU, etc.
- Build a strong supply chain of EV parts in the country

Battery Charging Station



- Support the infrastructure development to encourage EV use
- Increase customer's confidence



Incentives for the Electric Vehicle







Conditions

1. Must submit the whole investment "Package" with at least a BEV production project.

- 2. Within 3 years from the date of issuance of promotion certificate: Must produce all types of electric vehicles under the project, as well as a battery (with module production)
- 3. Within 3 years from the date of production:
 - Must produce at least 1 additional key part (Traction Motor, DCU, BMS)
 - For HEV and PHEV must produce at least 2 additional xEV parts (from activities 4.8.3)
- 4. For domestic sale, the products must be certified with standard such as UN R100 R13H R94/95 and Euro5 (For HEV/PHEV).

Incentives

Invest Package Including:

BEV Production And Manufacture of Battery, Traction Motor, BMS and DCU.

HEV, PHEV and BEV production can be counted as production unit of Eco-car project.

Invest Totaling at least 5,000

million baht

Invest Totaling under 5,000 million baht

HEV: NO CIT

PHEV: CIT 3 Years

BEV : CIT 8 Years + CIT 1-3 For R&D

HEV: NO CIT

PHEV: CIT 3 Years BEV : CIT 3 Years

+ CIT 2 years, If start production by 2022

+ CIT 1 year/1 part (additional from basic conditions)

+ CIT 1 year If produce BEV >10,000 cars/year (any of the first 3 years)

+ CIT 1-3 years for R&D

Incentives for the Electric Vehicle



Electric Bike

- Exemption of import duties on machinery.
- CIT Exemption for 3-11 years



3-Wheel Electric Car

- Exemption of import duties on machinery.
- CIT Exemption for 3-10 years



Battery Electric Bus/Truck

- Exemption of import duties on machinery.
- CIT Exemption for 3-10 years

Incentives for EV Parts

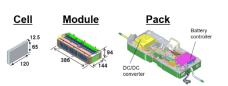
17 Key Parts for EVs

- Air Conditioning System
- DC-DC converter
- Front / Rear Axle for EV bus
- Electrical Circuit Breaker
- Portable EV Charger
- Smart Charging System
- On-board Charger
- Traction Motor

- BMS
- Battery*
- DCU
- Inverter
- High Voltage Harness
- Reduction Gear
- Battery Cooling System
- Regenerative Braking System
- EV Connector

- A2 8 years exemption of corporate income tax
- Exemption of import duties on machinery and raw/essential material (Only for export)

Incentives for EV Battery



- Pack Assembly CIT 5 Years
- Module Production CIT 8 Years
- <u>Cell Production</u> CIT 8 Years (No cap)
- 5-8 Years of Corporate Income Tax Exemption
- 90% Reduction of import duties on raw/essential materials for 2 years



Incentives for Battery Charging Station

Battery Charging Station

Propose EV Smart Charging System Development plan

Receive ISO 180000 as _ the standard within 3 years after certified for promotion

Propose procurement plan for parts and equipment

Build at least 40 chargers (with at least 25% are quick type)

Applicants must not get privileges from other government sectors

- 5 Years of Corporate Income Tax Exemption
- Import Duties on Machinery Exemption





Thank You for Your Attention

