

1.3 Shareholding Structure of PTT Group

1.3.1 Shareholding Structure of PTT Group

PTT is a fully integrated national petroleum and petrochemical company with the mission to ensure national energy security, economic prosperity, and organization sustainability in parallel with socio-environmental stewardship.

Our operations cover the energy industry's entire business value chain from upstream to downstream activities with an emphasis on value added to its businesses as well as creating energy innovation. PTT has its own business operations and operates through subsidiaries. The following structure illustrates the integration of our operations.



Business Structure of PTT Group Companies

Upstream Petroleum and Gas Business Group

Gas Business

- Supply and Distribution
- Gas Separation Plant
- Distribution Pipeline
- NGV
- Commercial and Marketing Management

Gas Transmission Business

PTT LNG Co., Ltd. (PTTLNG)	100.00%
PTT Energy Resources Co., Ltd. (PTTER)	100.00%
PTT Green Energy Pte. Ltd. (PTTGE)	100.00%
PTT Exploration and Production Plc. (PTTEP) ^{1/}	63.79%
PTT Natural Gas Distribution Co., Ltd. (PTTNGD) ^{3/}	58.00%
Trans Thai-Malaysia (Thailand) Co., Ltd. (TTM(T)) ^{3/}	50.00%
Trans Thai-Malaysia (Malaysia) Sdn. Bhd. (TTM(M)) ^{3/}	50.00%
Map Ta Phut Air Products Co., Ltd. (MAP) ^{3/}	49.00%

Downstream Petroleum Business Group

International Trading Business

- Crude oil and condensate
- Refined oil product and LPG
- LNG and alternative products
- Petrochemical product, chemical, and solvent
- Derivatives
- International Chartering

PTT International Trading Pte. Ltd. (PTTT)	100.00%
PTT International Trading London Ltd. (PTTT LDN)	100.00%
PTT International Trading USA Inc. (PTTT USA)	100.00%

Petrochemical and Refining Business

PTT Tank Terminal Co., Ltd. (PTT TANK)	100.00%
PTT Global Chemical Plc. (GC) ^{1/}	45.18%
IRPC Plc. (IRPC) ^{1/}	45.05%
Thai Oil Plc. (TOP) ^{1/}	45.03%

Oil and Retail Business

PTT Oil and Retail Business Plc. (OR) ^{1/}	75.00%
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New Business and Infrastructure Group

- Innovation and New Business
- Engineering and Infrastructure
- Innovation Institute

Energy Complex Co., Ltd. (EnCo)	50.00%
Global Power Synergy Plc. (GPSC) ^{1/}	47.27%
CHCJ EQ LLC (CHCJ)	43.73%
PTT Energy Solutions Co., Ltd. (PTTES)	40.00%
District Cooling System and Power Plant Co., Ltd. (DCAP)	35.00%
VISUP Co., Ltd. (VISUP)	22.22%
PTT Digital Solutions Co., Ltd. (PTT DIGITAL)	20.00%
NTG Holdings Pte. Ltd. (NT)	14.22%
InnoSpace (Thailand) Co., Ltd. (InnoSpace)	13.61%
HG Robotics Co., Ltd. (HG ROBOTICS)	9.47%
Sunfolding, Inc. (Sunfolding)	5.81%
Shenzhen Immotor Technology Co., Ltd. (Immotor)	3.05%
Baania (Thailand) Co., Ltd. (Baania)	2.63%
6K, Inc. (6K)	1.30%
Ample, Inc. (Ample)	1.13%
Luminar Technologies, Inc. (Luminar)	0.08%

Other Businesses

PTT Treasury Center Co., Ltd. (PTT TCC)	100.00%
PTT Global Management Co., Ltd. (PTTGM)	100.00%
Veolia Sustainable Solution (Thailand) Co., Ltd. (VSS)	40.00%
Business Services Alliance Co., Ltd. (BSA) ^{2/}	25.00%
Sarn Palung Social Enterprise Co., Ltd. (SPSE)	20.00%
Dhipaya Group Holdings Plc. (TIPH) ^{1/}	13.46%

Own Operations

Investment in PTT Group

Remarks:

Information as of December 31, 2023. (All figures are presented by PTT's portion.)

1/ These 7 listed companies are registered in The Stock Exchange of Thailand.

2/ BSA is a wholly owned subsidiary as PTT holds all common shares of BSA.

3/ Shareholding in these subsidiaries is a joint investment in other businesses.

Details are in Supplementary of 56-1 One Report for the year 2023.