

## PTT and Its Affiliates

Exploration & Production and Gas Business Group	
	Percentage
PTT Exploration and Production Public Co., Ltd. (PTTEP)	65.73
PTT Natural Gas Distribution Co., Ltd. (PTTNGD)	58.00
PTT LNG Co., Ltd. (PTTLNG)	100.00
Combined Heat and Power Producing Co., Ltd. (CHPP)	100.00
PTT International Co., Ltd. (PTT INTER)	100.00
Independent Power (Thailand) Co., Ltd. (IPT)	20.00
Thai Oil Power Co., Ltd. (TP)	26.00
PTT Utility Co., Ltd. (PTTUT)	40.00
Trans Thai - Malaysia (Thailand) Co., Ltd. (TTM (T))	50.00
Trans Thai - Malaysia (Malaysia) Sdn. Bhd. (TTM (M))	50.00
District Cooling System and Power Plant Co., Ltd. (DCAP)	35.00
Ratchaburi Power Co., Ltd. (RPCL)	15.00

Petrochemicals and Refining Business Group	
	Percentage
PTT Polymer Marketing Co., Ltd. (PTTPM)	75.00
PTT Polymer Logistics Co., Ltd. (PTTPL)	100.00
Thai Oil Public Co., Ltd. (TOP)	49.10
Star Petroleum Refining Co., Ltd. (SPRC)	36.00
Bangchak Petroleum Public Co., Ltd. (BCP)	29.75
IRPC Public Co., Ltd. (IRPC)	31.50
PTT Phenol Co., Ltd. (PPCL)	40.00
PTT Chemical Public Co., Ltd. (PTTCH)	49.31
PTT Aromatics and Refining Public Co., Ltd. (PTTAR)	48.66
NPTC Maintenance & Engineering Services Co., Ltd. (NPTC)	40.00
PTT Asahi Chemicals Co., Ltd. (PTTAC)	47.50
HMC Polymers Co., Ltd. (HMC)	41.44

Oil Business Group	
	Percentage
PTT (Cambodia) Co., Ltd. (PTTCL)	100.00
Subic Bay Energy Co., Ltd. (SBECL)	100.00
Retail Business Alliance Co., Ltd. (RBA)	49.00
PTT International Trading Pte. Ltd. (PTTT)	100.00
PTT Retail Business Co., Ltd. (PTTRB)	100.00
PTT Green Energy Pte. Ltd. (PTTGE)	100.00
Thai Lube Blending Co., Ltd. (TLBC)	48.95
Thai Petroleum Pipeline Co., Ltd. (THAPPLINE)	33.19
Petro Asia (Thailand) Co., Ltd. (PA (Thailand))	35.00
Vietnam LPG Co., Ltd. (VLPG)	45.00
KELOIL - PTT LPG Sdn. Bhd. (KPL)	40.00
Petro Asia (Huizhou) Co., Ltd. (Huizhou)	25.00
Petro Asia (Shantou) Co., Ltd. (PA (Shantou))	15.00
Petro Asia (Maoming) Co., Ltd. (PA (Maoming))	20.00
PTT Mart Co., Ltd. (PTT Mart)	49.00
Fuel Pipeline Transportation Co., Ltd. (FPT)	2.76
Intoplane Services Co., Ltd. (IPS)	16.67
Bangkok Aviation Fuel Services Public Co., Ltd. (BAFS)	7.06

Others Business Group	
	Percentage
Energy Complex Co., Ltd. (EnCo)	50.00
PTT ICT Solutions Co., Ltd. (PTTICT)	20.00
Dhipaya Insurance Public Co., Ltd. (TIP)	13.33