

7 August 2020

Energy & Petrochemicals | Integrated Oil & Gas

## PTT Exploration & Production (PTTEP TB)

**Buy** (Maintained)

### 2030 Targets: Cleaner Energy, AI And Robotics

Target Price (Return): THB108.00 (+16%)  
 Price: THB93.00  
 Market Cap: USD12,068m  
 Avg Daily Turnover (THB/USD): 1,508m/47.9m

- **Maintain BUY, TP of THB108.00, 16% upside with c.3% FY20F yield.** PTT Exploration & Production's analyst meeting highlighted its 2030 Aspiration Targets, where it seeks to remain resilient in its core business, while preparing for the energy transition. This would involve investments into cleaner energy, artificial intelligence (AI), and robotics.

- **Global new normal and energy transition.** PTTEP has been adapting to the new normal since the 2014-2016 crude oil price crash. Since then, it has been adjusting to oil prices being much lower, in order to survive. However, the new normal (post-COVID-19) will impact not only the oil industry, but all other economic sectors around the world. To deal with this and its energy transition, PTTEP will need to: be more resilient (rethink its business model beyond cost-cutting), look for investment opportunities, and accelerate workplace digitalisation (more employees working remotely). It must also be mindful of changing consumer behaviour (environmental consciousness, increased need for health and hygienic standards). The Paris Agreement, signed in 2015, set out a global framework to avoid the dangerous impact of climate change, by limiting global warming by 2° Celcius. PTTEP is looking towards achieving compliance on this aspect .

- **PTTEP's 2030 Aspiration Targets:**

- Strengthen its core business by reaching the top-quartile unit cost of USD25.00/bbl, through cost optimisation and synergy value creation;
- Grow its exploration and production portfolio via exploration and M&As;
- Drive the LNG value chain through joint ventures, marketing capability (through synergy with PTT (PTT TB, BUY, TP:THB44.90);
- Adapt to new normal by improving the efficiency of its human resources;
- Diversify to new businesses (to account for 20% of net income by scaling up and investing in AI and Robotics Ventures Company (ARV), expanding into the power generation business).

- **Diversifying to new business is part of PTTEP's energy transition.** With regards to expanding into power generation, it aims to better understand the solar/wind and renewable energy businesses to better prepare for the future. There are many opportunities around the region in this regard. On investment in new technologies, it is looking more towards AI and robotics. ARV began as a support for its exploration & production business, but now can be used to enhance business efficiency across multiple industries.

- **ARV has four main businesses:** sub-sea, drone, agritech, and medical technology. ARV now has six commercial products and >10 clients. In 2019, it generated THB138m in revenue. PTTEP has informed us that, when the time is right, this arm can be spun off to raise capital for expansion.

#### Analyst

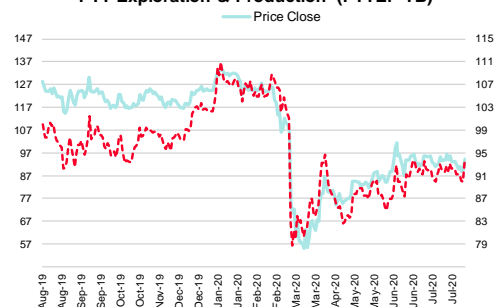
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#### Share Performance (%)

	YTD	1m	3m	6m	12m
Absolute	(24.3)	(1.1)	12.2	(24.3)	(28.1)
Relative	(8.9)	1.5	7.6	(11.5)	(8.4)
52-wk Price low/high (THB)	55.0 – 134				

PTT Exploration & Production (PTTEP TB)



Source: Bloomberg

Forecasts and Valuation	Dec-18	Dec-19	Dec-20F	Dec-21F	Dec-22F
Total turnover (THBm)	171,809	191,053	169,927	198,468	222,497
Recurring net profit (THBm)	36,206	48,803	26,876	35,720	39,211
Recurring net profit growth (%)	3.7	34.8	(44.9)	32.9	9.8
Recurring P/E (x)	10.33	7.67	13.92	10.48	9.54
P/B (x)	1.0	1.0	1.0	0.9	0.9
P/CF (x)	3.33	3.31	5.30	3.49	3.10
Dividend Yield (%)	5.3	6.4	2.9	3.8	4.2
EV/EBITDA (x)	2.35	2.69	3.31	2.55	2.27
Return on average equity (%)	9.5	13.1	7.4	9.3	9.6
Net debt to equity (%)	net cash	1.7	5.9	net cash	net cash

Source: Company data, RHB

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## Financial Exhibits

Asia	Financial summary (THB)	Dec-18	Dec-19	Dec-20F	Dec-21F	Dec-22F
Thailand	Recurring EPS	9.12	12.29	6.77	9.00	9.88
Energy & Petrochemicals	DPS	5.00	6.00	2.71	3.60	3.95
<b>PTT Exploration &amp; Production</b>	BV/PS	98.13	89.94	94.00	99.40	105.33
PTTEP TB	Return on average equity (%)	9.5	13.1	7.4	9.3	9.6
Buy						
	<b>Valuation metrics</b>	<b>Dec-18</b>	<b>Dec-19</b>	<b>Dec-20F</b>	<b>Dec-21F</b>	<b>Dec-22F</b>
<b>Valuation basis</b>	Recurring P/E (x)	10.33	7.67	13.92	10.48	9.54
DCF	P/B (x)	1.0	1.0	1.0	0.9	0.9
	FCF Yield (%)	18.2	(2.1)	(1.9)	11.9	3.9
<b>Key drivers</b>	Dividend Yield (%)	5.3	6.4	2.9	3.8	4.2
Our TP is mostly sensitive to:	EV/EBITDA (x)	2.35	2.69	3.31	2.55	2.27
i. Long-term crude oil price assumptions;	EV/EBIT (x)	4.52	5.04	8.25	5.77	5.11
ii. The USD/THB exchange rate.						
	<b>Income statement (THBm)</b>	<b>Dec-18</b>	<b>Dec-19</b>	<b>Dec-20F</b>	<b>Dec-21F</b>	<b>Dec-22F</b>
<b>Key risks</b>	Total turnover	171,809	191,053	169,927	198,468	222,497
Crude oil price volatility.	Gross profit	74,459	84,172	57,035	72,790	82,162
	EBITDA	124,863	135,112	115,087	137,417	154,327
<b>Company Profile</b>	Depreciation and amortisation	(59,809)	(62,811)	(68,919)	(76,725)	(85,673)
PTT Exploration & Production is the Thai Government's arm for oil & gas exploration. Major assets are predominantly in Thailand. The company also has exposure to Myanmar, Malaysia, Indonesia, the United Arab Emirates, and Oman.	Operating profit	65,054	72,301	46,168	60,693	68,654
	Net interest	(5,016)	(4,599)	(8,234)	(9,102)	(10,698)
	Pre-tax profit	59,971	69,754	39,060	51,971	58,336
	Taxation	(23,764)	(20,952)	(12,184)	(16,251)	(19,125)
	Reported net profit	36,206	48,803	26,876	35,720	39,211
	Recurring net profit	36,206	48,803	26,876	35,720	39,211
	<b>Cash flow (THBm)</b>	<b>Dec-18</b>	<b>Dec-19</b>	<b>Dec-20F</b>	<b>Dec-21F</b>	<b>Dec-22F</b>
	Change in working capital	16,245	3,641	(24,022)	(4,720)	(3,974)
	Cash flow from operations	112,328	113,203	70,647	107,344	120,529
	Capex	(44,289)	(121,113)	(77,791)	(62,851)	(106,060)
	Cash flow from investing activities	(77,069)	(140,399)	(62,125)	(66,507)	(107,496)
	Dividends paid	(16,872)	(19,850)	(23,820)	(10,750)	(14,288)
	Cash flow from financing activities	(48,194)	(11,019)	(24,734)	(25,131)	(55,160)
	Cash at beginning of period	146,008	132,448	97,596	81,385	97,090
	Net change in cash	(12,935)	(38,216)	(16,212)	15,706	(42,127)
	Ending balance cash	132,448	97,597	81,384	97,090	54,963
	<b>Balance sheet (THBm)</b>	<b>Dec-18</b>	<b>Dec-19</b>	<b>Dec-20F</b>	<b>Dec-21F</b>	<b>Dec-22F</b>
	Total cash and equivalents	132,448	97,596	81,385	97,090	54,963
	Tangible fixed assets	408,913	467,215	476,087	462,213	482,600
	Total investments	10,822	16,281	15,173	15,422	15,633
	Total assets	632,256	669,464	667,918	674,918	657,531
	Short-term debt	13,208	551	0	0	0
	Total long-term debt	49,932	103,230	103,230	88,599	47,517
	Total liabilities	242,683	312,405	294,733	280,302	239,388
	Total equity	389,573	357,059	373,184	394,616	418,143
	Total liabilities & equity	632,256	669,464	667,918	674,918	657,531
	<b>Key metrics</b>	<b>Dec-18</b>	<b>Dec-19</b>	<b>Dec-20F</b>	<b>Dec-21F</b>	<b>Dec-22F</b>
	Revenue growth (%)	16.3	11.2	(11.1)	16.8	12.1
	Recurrent EPS growth (%)	3.7	34.8	(44.9)	32.9	9.8
	Gross margin (%)	43.3	44.1	33.6	36.7	36.9
	Operating EBITDA margin (%)	72.7	70.7	67.7	69.2	69.4
	Net profit margin (%)	21.1	25.5	15.8	18.0	17.6
	Dividend payout ratio (%)	54.8	48.8	40.0	40.0	40.0
	Capex/sales (%)	25.8	63.4	45.8	31.7	47.7
	Interest cover (x)	8.44	9.92	5.10	6.03	6.10

Source: Company data, RHB

## Recommendation Chart



Source: RHB, Bloomberg

Date	Recommendation	Target Price	Price
2020-07-31	Buy	108	91
2020-03-18	Buy	91	57
2020-03-09	Buy	120	75
2020-02-12	Buy	147	128
2019-12-17	Buy	144	123
2019-11-07	Buy	150	125
2019-09-30	Buy	156	121

Source: RHB, Bloomberg

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Analyst	Company
-	-

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ช่วงคะแนน Score	สัญลักษณ์ Rang Number of Logo	ความหมาย	Description
90 - 100		ดีเลิศ	Excellent
80 - 89		ดีมาก	Very Good
70 - 79		ดี	Good
60 - 69		พอใช้	Satisfactory
50 - 59		ผ่าน	Pass
ต่ำกว่า 50	No logo give	N/A	N/A

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### IOD (IOD Disclaimer)

ผลสำรวจการกำกับดูแลกิจการบริษัทจดทะเบียนที่แสดงไว้นี้ เป็นผลที่ได้จากการสำรวจและประเมินข้อมูลของบริษัทจดทะเบียนในตลาดหลักทรัพย์แห่งประเทศไทย และตลาดหลักทรัพย์ เอ็ม เอ ไอ (“บริษัทจดทะเบียน”) เปิดเผยต่อสาธารณะและเป็นข้อมูลให้ผู้ลงทุนทั่วไปสามารถเข้าถึงได้ ผลสำรวจดังกล่าวจึงเป็นการนำเสนอข้อมูลในมุมมองของบุคคลภายนอกต่อมาตรฐานการกำกับดูแลกิจการของบริษัทจดทะเบียน โดยไม่ได้เป็นการประเมินผลการปฏิบัติงานหรือการดำเนินการของบริษัทจดทะเบียนอื่นทั้งมิได้ใช้ข้อมูลภายในของบริษัทจดทะเบียนในการประเมิน ดังนั้นผลสำรวจที่แสดงนี้จึงไม่ได้เป็นการรับรองถึงผลการปฏิบัติงานหรือการดำเนินการของบริษัทจดทะเบียนและไม่ถือเป็นการให้คำแนะนำในการลงทุนในหลักทรัพย์ของบริษัทจดทะเบียนหรือคำแนะนำใดๆ ผู้ใช้ข้อมูลจึงควรใช้วิจารณญาณของตนเองในการวิเคราะห์และตัดสินใจในการใช้ข้อมูลใดๆ ที่เกี่ยวกับบริษัทจดทะเบียนที่แสดงในผลสำรวจนี้

ทั้งนี้บริษัทหลักทรัพย์ อาร์เอชบี (ประเทศไทย) จำกัด (มหาชน) มิได้ยืนยันหรือรับรองถึงความครบถ้วนและถูกต้องของผลสำรวจดังกล่าวแต่อย่างใด



ข้อมูล Anti-Corruption Progress Indicator 2560

ประกาศเจตนารมณ์ CAC

A	ASK	CHG	FC	GREEN	JUTHA	MATCH	NINE	PIMO	RWI	SPPT	TFI	TU	VNT
AI	AU	CHOTI	FER	GSTEL	KASET	MATI	NMG	PK	SANKO	SPRC	THE	TVD	WAVE
AIE	BCH	CHOW	FPI	GUNKUL	KBS	MBAX	NNCL	PL	SAUCE	SR	TICON	TVO	WHA
AIRA	BJC	CIG	FSMART	HARN	KCAR	MC	NTV	PLANB	SC	SRICHA	TIP	TVT	WICE
AJ	BJCHI	COL	GEL	IFS	KTECH	MFEC	NUSA	POST	SCCC	SST	TKN	TWPC	WIJK
ALUCON	BLAND	COM7	GFPT	ILINK	KWC	MIDA	NWR	PRINC	SCN	STA	TLUXE	U	TRUE
AMATAV	BR	CPALL	GGC	INET	KYE	MILL	OGC	PRO	SEAOIL	SUPER	TMILL	UPA	
AOT	BROCK	CPF	GIFT	IRC	L&E	ML	PACE	PSTC	SE-ED	SUSCO	TMT	UREKA	
APCO	BRR	CPR	GJS	J	LEE	MTLS	PAF	PYLON	SENA	SWC	TNP	UWC	
AQUA	CEN	CSC	GLOBAL	JMART	LIT	NBC	PAP	QTC	SIRI	SYMC	TPA	VGI	
ARROW	CGH	EKH	GOLD	JMT	LVT	NCL	PATO	ROH	SMART	TAKUNI	TSE	VIBHA	
ASIA	CHEWA	EPCO	GPSC	JUBILE	MAKRO	NEP	PCSGH	ROJNA	SPACK	TBSP	TTI	VIH	

ได้รับการรับรอง CAC

ADVANC	BKI	CPN	FE	INTUCH	LANNA	MSC	PLAT	PTT	SAT	SNP	TCMC	TMD	UOBKH
AKP	BLA	CSL	FNS	IRPC	LHBANK	MTI	PM	PTTEP	SCB	SORKON	TFG	TNITY	WACOAL
AMANAH	BROOK	DCC	FSS	IVL	LHK	NKI	PPP	PTTGC	SCC	SPC	TGCI	TNL	
AP	BTS	DEMCO	GBX	K	LPN	NSI	PPS	Q-CON	SCG	SPI	THANI	TOG	
ASP	BWG	DIMET	GCAP	KBANK	MBK	OCC	PRANDA	QH	SGP	SSF	THCOM	TOP	
AYUD	CENTEL	DRT	GLOW	KCE	MBKET	OCEAN	PREB	QLT	SINGER	SSI	THRE	TPCORP	
BAFS	CFRESH	DTAC	HANA	KGI	MCOT	PB	PRG	RATCH	SIS	SSSC	THREL	TRU	
BANPU	CIMBT	DTC	HMPRO	KKP	MFC	PDI	PSH	RML	SITHAI	SVI	TIPCO	TSC	
BAY	CM	EASTW	HTC	KSL	MINT	PE	PSL	ROBINS	SMIT	SYNTEC	TISCO	TSSTH	
BBL	CNS	ECL	ICC	KTB	MONO	PG	PT	S & J	SMPC	TAE	TKT	TTCL	
BCP	CPI	EGCO	IFEC	KTC	MOONG	PHOL	PTG	SABINA	SNC	TCAP	TMB	TVI	

N/A

2S	ARIP	BSM	CSS	FMT	INOX	LTX	NPK	RCL	SFP	SUC	TITLE	TSR	VPO
AAV	AS	BTC	CTW	FN	INSURE	M	NPP	RICH	SGF	SUN	TIW	TSTE	VTE
ABICO	ASAP	BTNC	CWT	FOCUS	IRCP	MACO	NVD	RICHY	SHANG	SUTHA	TK	TTA	WG
ACAP	ASEFA	BTW	D	FORTH	IT	MAJOR	NYT	RJH	SIAM	SVH	TKS	TTL	WHAUP
ACC	ASIAN	BUI	DCON	FTE	ITD	MALEE	OHTL	ROCK	SIMAT	SVOA	TM	TTTM	WIN
ADAM	ASIMAR	CBG	DCORP	FVC	ITEL	MANRIN	OISHI	RP	SKE	SYNEX	TMC	TTW	WINNER
ADB	ASN	CCET	DDD	GC	JAS	MAX	ORI	RPC	SKN	T	TMI	TUCC	WORK
AEC	ATP30	CCP	DELTA	GENCO	JCT	M-CHAI	OTO	RPH	SKR	TACC	TMW	TWP	WORLD
AEONTS	AUCT	CGD	DIGI	GL	JKN	MCS	PAE	RS	SKY	TAPAC	TNDT	TWZ	WP
AF	BA	CHARAN	DNA	GLAND	JSP	MDX	PDG	RSP	SLP	TASCO	TNH	TYCN	WPH
AFC	BAT-3K	CHO	DTCI	GPI	JTS	MEGA	PERM	S	SMK	TC	TNPC	UAC	WR
AGE	BCPG	CHUO	EA	GRAMMY	JWD	METCO	PF	S11	SMM	TCB	TNR	UBIS	XO
AH	BDMS	CI	EARTH	GRAND	KAMART	MGT	PICO	SAFARI	SMT	TCC	TOA	UEC	YCI
AHC	BEAUTY	CITY	EASON	GTB	KC	MJD	PJW	SALEE	SOLAR	TCCC	TOPP	UKEM	YNP
AIT	BEC	CK	ECF	GULF	KCM	MK	PLANET	SAM	SPA	TCJ	TPAC	UMI	YUASA
AJA	BEM	CKP	EE	GYT	KDH	MM	PLE	SAMART	SPALI	TCOAT	TPBI	UMS	ZIGA
AKR	BFIT	CMO	EFORL	HFT	KIAT	MODERN	PMTA	SAMCO	SPCG	TEAM	TPCH	UNIQU	ZMICO
ALLA	BGRIM	CMR	EIC	HOTPOT	KKC	MPG	POLAR	SAMTEL	SPG	TFD	TIPL	UP	
ALT	BGT	CNT	EMC	HPT	KOOL	MPIC	POMPUI	SAPPE	SPORT	TFMAMA	TIPIP	UPF	
AMA	BH	COLOR	EPG	HTECH	KTIS	NC	PORT	SAWAD	SPVI	TGPRO	TPOLY	UPOIC	
AMARIN	BIG	COMAN	ERW	HUMAN	KWG	NCH	PPM	SAWANG	SQ	TH	TPP	UT	
AMATA	BIZ	CPH	ESSO	HYDRO	LALIN	NDR	PRAKIT	SCI	SSC	THAI	TR	UTP	
AMC	BKD	CPL	ESTAR	ICHI	LDC	NETBAY	PRECHA	SCP	SSP	THANA	TRC	UV	
ANAN	BLISS	CPT	ETE	ICN	LH	NEW	PRIN	SDC	STANLY	THG	TRITN	UVAN	
APCS	BM	CRANE	EVER	IEC	LOXLEY	NEWS	PRM	SE	STAR	THIP	TRT	VARO	
APEX	BOL	CRD	F&D	IHL	LPH	NFC	PTL	SEAFCO	STEC	THL	TRUBB	VCOM	
APURE	BPP	CSP	FANCY	III	LRH	NOBLE	RAM	SELIC	STHAI	THMUI	TSF	VI	
AQ	BSBM	CSR	FLOYD	INGRS	LST	NOK	RCI	SF	STPI	TIC	TSI	VNG	

Source: Thai Institute of Directors

ข้อมูลบริษัทที่เข้าร่วมโครงการแนวร่วมปฏิบัติของภาคเอกชนไทยในการต่อต้านทุจริต (Thai CAC) ของสมาคมส่งเสริมสถาบันกรรมการบริษัทไทย (ข้อมูล ณ วันที่ 17 ต.ค.)

- ได้ประกาศเจตนารมณ์เข้าร่วม CAC
- ได้รับการรับรอง CAC

การเปิดเผยการประเมินดัชนีชี้วัดความคืบหน้าการป้องกันกรมีส่วนเกี่ยวข้องกับการทุจริตคอร์รัปชัน (Anti-Corruption Progress Indicators) ของบริษัทจดทะเบียนในตลาดหลักทรัพย์แห่งประเทศไทยที่จัดทำโดยสถาบันที่เกี่ยวข้องซึ่งมีการเปิดเผยโดยสำนักงานคณะกรรมการกำกับหลักทรัพย์และตลาดหลักทรัพย์นี้เป็นการดำเนินการตามนโยบายและตามแผนพัฒนาความยั่งยืนสำหรับบริษัทจดทะเบียนโดยผลการประเมินดังกล่าว สถาบันที่เกี่ยวข้องอาศัยข้อมูลที่ได้รับจากบริษัทจดทะเบียนตามที่บริษัทจดทะเบียนได้ระบุในแบบแสดงข้อมูลเพื่อการประเมิน Anti-Corruption ซึ่งอ้างอิงข้อมูลมาจากแบบแสดงรายงานข้อมูลประจำปี แบบ (56-1) รายงานประจำปีแบบ (56-2) หรือในเอกสารหรือรายงานอื่นที่เกี่ยวข้องซึ่งเป็นบุคคลภายนอก โดยมีได้เป็นการประเมินการปฏิบัติของบริษัทจดทะเบียนในตลาดหลักทรัพย์แห่งประเทศไทยและมิได้ใช้ข้อมูลภายในเพื่อการประเมิน เนื่องจากผลการประเมินดังกล่าวเป็นเพียงผลการประเมิน ณ วันที่ ปรากฏในผลการประเมินเท่านั้น ดังนั้นผลการประเมินจึงอาจเปลี่ยนแปลงได้ภายหลังวันดังกล่าว หรือรับรองความถูกต้องครบถ้วนของผลประเมินดังกล่าวได้อย่างใด