

2 FEBRUARY 2021

THAILAND / UTILITIES - RENEWABLES

TPI POLENE POWER TPIPP TB

BUY

UNCHANGED

TARGET PRICE	THB5.70
CLOSE	THB4.40
UP/DOWNSIDE	+29.5%
TP vs CONSENSUS	+14.5%

ชัยชนะเล็ก ๆ ในการก้าวครั้งใหญ่

ชัยชนะเล็ก ๆ ในการก้าวครั้งใหญ่

เมื่อวานนี้ (1 ก.พ. 2021) TPIPP ประกาศว่าบริษัทฯ ได้ชนะประมูลสิทธิในการพัฒนาและดำเนินการโรงผลิตไฟฟ้าจากขยะ (WTE) ขนาด 8MW ที่บ้านเกาะแก้ว (BKS) จังหวัดสงขลาในภาคใต้ของประเทศไทย โรงไฟฟ้างัดกล่าวเป็นโครงการ WTE แรกที่ TPIPP ประมูลชนะในรอบ 3 ปีและเป็นไปตามข้อมูลที่บริษัทฯ ได้ให้ไว้ว่าบริษัทฯ อยู่ระหว่างการประมูลโรงไฟฟ้า WTE 11 โครงการในปี 2021-22 BKS เป็นผู้ผลิตไฟฟ้าขนาดเล็ก บริษัทฯ จะดำเนินการก่อสร้างโรงไฟฟ้า WTE กำลังการผลิต 8MW บริหารจัดการและเป็นเจ้าของกรรมสิทธิ์ในสินทรัพย์ดังกล่าวโดยมีสัญญาซื้อขายไฟฟ้าเป็นระยะเวลา 20 ปี บริษัทฯ จะขายกระแสไฟฟ้าที่ผลิตได้ให้แก่การไฟฟ้าส่วนภูมิภาค (กฟภ) โดยมีค่าไฟฟ้าอยู่ที่ 5.78 บาท/kWh ในระยะเวลา 8 ปีแรกและ 5.07 บาท/kWh ในอีก 12 ปีที่เหลือ

ก้าวแรกแห่งความสำเร็จในกลยุทธ์การเติบโตของบริษัทฯ

หลังไม่ประสบความสำเร็จในการประมูลโครงการ WTE ใด ๆ เลยในช่วง 3 ปีที่ผ่านมา TPIPP ประมูลชนะโครงการ WTE ใหม่โรงแรกของบริษัทฯ ในที่สุด เรามอง BKS เป็นบวกด้วยเหตุผล 3 ประการ ประการแรก กำลังการผลิต 8MW จะทำให้กำลังการผลิตที่ติดตั้งแล้วของ TPIPP เพิ่มขึ้นเป็น 448MW ประกอบด้วย 188MW จากโรงไฟฟ้า WTE (รวม BKS) 40MW จากโรงผลิตไฟฟ้าจากความร้อนเหลือทิ้งและอีก 220MW จากโรงผลิตไฟฟ้าจากถ่านหิน ประการที่สอง เราคาดว่าบริษัทฯ จะได้อัตรากำไรขั้นต้นทางเศรษฐศาสตร์ของโครงการ (EIRR) ที่ 15% โดยมีสมมติฐานจากเงินลงทุน 2 พัน ลบ. ค่าไฟฟ้า 5.07-5.78 บาท/kWh เป็นระยะเวลา 20 ปี ค่ากำจัดขยะมูลฝอย 400 บาท/ตันพร้อมสัญญาในการปรับค่าบริการขึ้น 10% ในทุก ๆ 3 ปี และกำหนดเริ่มดำเนินงานในปี 2023 ประการที่สาม เราคาดว่า BKS จะให้ส่วนแบ่งกำไรสุทธิ 0.4 พัน ลบ. ต่อปี หักยที่สุด BKS มีวัตถุประสงค์ขยแข่งที่เพียงพอจากเทศบาล เนื่องจากโครงการตั้งอยู่ใกล้สถานที่ฝังกลบพร้อมปริมาณขยะใหม่ 450-500 ตันต่อวัน

มีโอกาสดูได้อีก

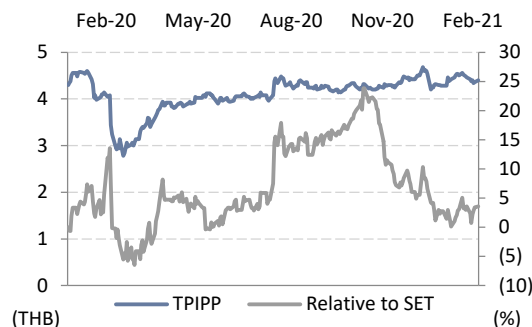
TPIPP อยู่ระหว่างการประมูลโรงไฟฟ้า WTE เพิ่มอีก 10 โครงการ (กำลังการผลิตรวม 127MW) ที่นครราชสีมา ฉะเชิงเทรา ชลบุรี และสมุทรปราการ จากแผนการประมูลดังกล่าวรัฐบาลมีกำหนดประกาศผู้ชนะในโครงการ WTE ใหม่ขนาด 9.9MW ในนครราชสีมาภายใน 1Q21 และเราเชื่อว่า TPIPP อาจชนะในโครงการดังกล่าวซึ่งจะเพิ่มการเติบโตของกำลังการผลิตให้แก่พอร์ตของบริษัทฯ

คงคำแนะนำซื้อที่ราคาเป้าหมาย 5.7 บาท

เราคงคำแนะนำซื้อที่ราคาเป้าหมาย 5.7 บาท (SOTP) เรามองว่า TPIPP ยังมีศักยภาพในการเพิ่มกำลังการผลิตจากการประมูลโครงการ WTE ใหม่ ซึ่งจะประกาศผลและเป็นที่น่าพอใจได้ภายในปี 2021-22 เราเห็นว่า TPIPP เป็นหุ้นโรงไฟฟ้าประเภทที่มีมูลค่าเพิ่มพูนและให้ผลตอบแทนสูงที่จะมาจับกำลังการผลิต WTE ใหม่ภายใต้แผนพัฒนากำลังการผลิตไฟฟ้าของประเทศไทย พ.ศ. 2561 ฉบับปรับปรุงครั้งที่ 1

KEY STOCK DATA

YE Dec (THB m)	2019	2020E	2021E	2022E
Revenue	10,650	10,720	10,930	10,730
Net profit	4,607	4,769	4,736	4,539
EPS (THB)	0.55	0.57	0.56	0.54
vs Consensus (%)	-	2.9	(4.1)	6.9
EBITDA	5,419	6,112	6,021	5,828
Core net profit	4,607	4,769	4,736	4,539
Core EPS (THB)	0.55	0.57	0.56	0.54
EPS growth (%)	24.5	3.5	(0.7)	(4.2)
Core P/E (x)	8.0	7.8	7.8	8.1
Dividend yield (%)	9.1	9.1	9.1	9.1
EV/EBITDA (x)	7.7	6.6	6.5	6.5
Price/book (x)	1.4	1.3	1.2	1.2
Net debt/Equity (%)	17.2	11.9	6.7	2.6
ROE (%)	17.7	17.1	16.2	14.9



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	2.8	4.8	2.3
Relative to country (%)	0.8	(15.3)	4.8
Mkt cap (USD m)	1,233		
3m avg. daily turnover (USD m)	2.2		
Free float (%)	29		
Major shareholder	TIPI Plc (70%)		
12m high/low (THB)	4.68/2.76		
Issued shares (m)	8,400.00		

Sources: Bloomberg consensus; FSSIA estimates



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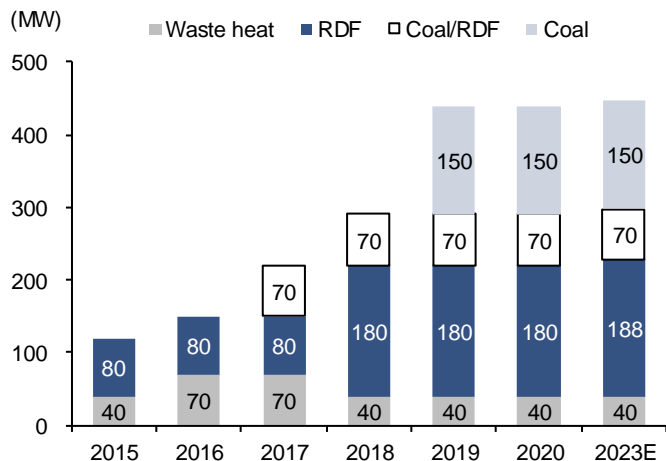
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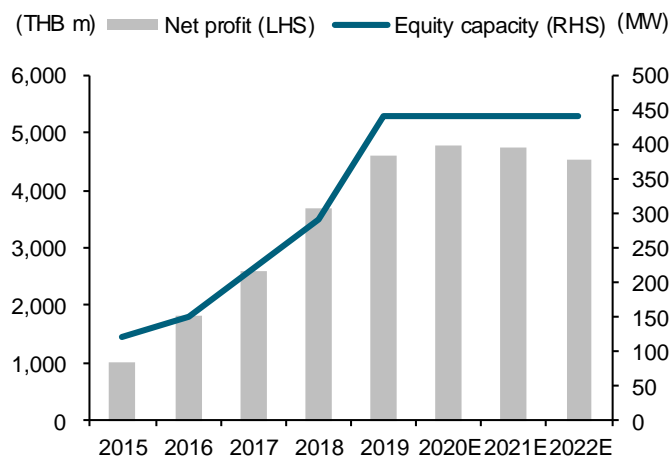
บทวิเคราะห์ฉบับนี้แปลมาจากบทวิเคราะห์ของ FSSIA ฉบับวันที่ 2 กุมภาพันธ์ 2021

Exhibit 1: Capacity breakdown by type



Sources: TPIPP; FSSIA estimates

Exhibit 2: Net profit and equity capacity



Sources: TPIPP; FSSIA estimates

Exhibit 3: SOTP valuation

Cost of equity assumptions		Cost of debt assumptions	
	(%)		(%)
Risk-free rate	2.3	Pretax cost of debt	5.0
Market risk premium	8.5	Marginal tax rate	20.0
Stock beta	1.0		
Cost of equity, Ke	10.8	Net cost of debt, Kd	3.8
Weight applied	30.0	Weight applied	70.0
WACC (%)	5.9		
DCF valuation estimate	(THB m)	(THB/share)	Comments
TG1 - Waste heat 20MW	2,695	0.3	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
TG2 - Waste heat 20MW	2,680	0.3	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
TG3 - WTE 20MW	5,271	0.6	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
TG4 - Waste heat/RDF 30MW	8,461	1.0	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
TG5 - WTE 60MW	11,953	1.4	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
TG6 - WTE/waste heat 70MW	12,677	1.5	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
TG7 - WTE/coal 70MW	4,468	0.5	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
TG8 - Coal 150MW	1,642	0.2	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
Petro and Gas stations	970	0.1	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
Agriculture & Others	297	0.0	WACC 5.9%, Risk-free rate 2.3%, Risk premium 8.5%
Net cash (debt)	(3,398)	(0.4)	Net debt as at end-2020E
Minorities	0	0.0	
Residual ordinary equity	47,716	5.7	

Sources: TPIPP; FSSIA estimates

Financial Statements

TPI Polene Power

Profit and Loss (THB m) Year Ending Dec	2018	2019	2020E	2021E	2022E
Revenue	7,669	10,650	10,720	10,930	10,730
Cost of goods sold	(3,170)	(4,723)	(3,964)	(4,034)	(4,082)
Gross profit	4,499	5,927	6,755	6,896	6,648
Other operating income	-	-	-	-	-
Operating costs	(385)	(508)	(643)	(874)	(820)
Operating EBITDA	4,113	5,419	6,112	6,021	5,828
Depreciation	(481)	(807)	(1,008)	(1,008)	(1,008)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	3,632	4,612	5,105	5,014	4,821
Net financing costs	28	(68)	(159)	(106)	(106)
Associates	0	0	0	0	0
Recurring non operating income	200	164	232	236	232
Non recurring items	0	0	0	0	0
Profit before tax	3,860	4,709	5,177	5,144	4,946
Tax	(161)	(102)	(408)	(408)	(407)
Profit after tax	3,699	4,607	4,769	4,736	4,539
Minority interests	0	0	0	0	0
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	3,699	4,607	4,769	4,736	4,539
Non recurring items & goodwill (net)	0	0	0	0	0
Recurring net profit	3,699	4,607	4,769	4,736	4,539
Per share (THB)					
Recurring EPS *	0.44	0.55	0.57	0.56	0.54
Reported EPS	0.44	0.55	0.57	0.56	0.54
DPS	0.40	0.40	0.40	0.40	0.40
Diluted shares (used to calculate per share data)	8,400	8,400	8,400	8,400	8,400
Growth					
Revenue (%)	55.3	38.9	0.7	2.0	(1.8)
Operating EBITDA (%)	45.8	31.7	12.8	(1.5)	(3.2)
Operating EBIT (%)	47.8	27.0	10.7	(1.8)	(3.9)
Recurring EPS (%)	42.7	24.5	3.5	(0.7)	(4.2)
Reported EPS (%)	42.7	24.5	3.5	(0.7)	(4.2)
Operating performance					
Gross margin inc depreciation (%)	52.4	48.1	53.6	53.9	52.6
Gross margin of key business (%)	-	-	-	-	-
Operating EBITDA margin (%)	53.6	50.9	57.0	55.1	54.3
Operating EBIT margin (%)	47.4	43.3	47.6	45.9	44.9
Net margin (%)	48.2	43.3	44.5	43.3	42.3
Effective tax rate (%)	4.2	2.2	7.9	7.9	8.2
Dividend payout on recurring profit (%)	90.8	72.9	70.5	71.0	74.0
Interest cover (X)	(138.6)	70.4	33.5	49.4	47.5
Inventory days	59.7	63.4	89.1	80.6	80.9
Debtor days	61.0	65.4	73.1	71.7	73.1
Creditor days	300.9	160.1	171.4	155.1	155.5
Operating ROIC (%)	13.0	13.1	12.8	(3.1)	(3.0)
ROIC (%)	13.6	13.4	13.2	(3.2)	(3.1)
ROE (%)	15.0	17.7	17.1	16.2	14.9
ROA (%)	12.4	13.4	13.5	13.2	12.2
* Pre exceptional, pre-goodwill and fully diluted					
Revenue By Division (THB m)					
Energy&Utilities	6,912	9,851	9,700	9,909	9,709
Petrol and gas stations	708	720	800	800	800
Agriculture and other	49	79	220	221	221

Sources: TPI Polene Power; FSSIA estimates

Financial Statements

TPI Polene Power

Cash Flow (THB m) Year Ending Dec	2018	2019	2020E	2021E	2022E
Recurring net profit	3,699	4,607	4,769	4,736	4,539
Depreciation	481	807	1,008	1,008	1,008
Associates & minorities	-	-	-	-	-
Other non-cash items	-	-	-	-	-
Change in working capital	(2,189)	(1,823)	15	6	(8)
Cash flow from operations	1,991	3,591	5,792	5,749	5,539
Capex - maintenance	(481)	(807)	(807)	(807)	(807)
Capex - new investment	(2,506)	(2,181)	(193)	(193)	(193)
Net acquisitions & disposals	(634)	(4,128)	0	0	0
Other investments (net)	(1,960)	(976)	0	0	0
Cash flow from investing	(5,581)	(8,092)	(1,000)	(1,000)	(1,000)
Dividends paid	(4,704)	(3,360)	(3,360)	(3,360)	(3,360)
Equity finance	0	0	0	0	0
Debt finance	4,000	4,000	(4,000)	0	0
Other financing cash flows	4,474	2,790	(170)	12	14
Cash flow from Financing	3,770	3,430	(7,530)	(3,348)	(3,346)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	180	(1,071)	(2,738)	1,401	1,193
Free cash flow to firm (FCFF)	(3,570.35)	(4,341.38)	4,951.57	4,855.54	4,645.16
Free cash flow to equity (FCFE)	4,884.19	2,289.43	621.98	4,761.49	4,553.11

Per share (THB)

FCFF per share	(0.43)	(0.52)	0.59	0.58	0.55
FCFE per share	0.58	0.27	0.07	0.57	0.54
Recurring cash flow per share	0.50	0.64	0.69	0.68	0.66

Balance Sheet (THB m) Year Ending Dec	2018	2019	2020E	2021E	2022E
Tangible fixed asset (gross)	27,039	34,210	35,210	36,210	37,210
Less: Accumulated depreciation	(2,396)	(3,440)	(4,447)	(5,455)	(6,462)
Tangible fixed assets (Net)	24,643	30,770	30,763	30,755	30,748
Intangible fixed assets (Net)	0	0	0	0	0
Long-term financial assets	-	-	-	-	-
Invest. In associates & subsidiaries	5	187	187	187	187
Cash & equivalents	4,411	3,340	602	2,003	3,196
A/C receivable	1,671	2,148	2,148	2,148	2,148
Inventories	588	1,053	883	899	910
Other current assets	12	126	127	129	127
Current assets	6,682	6,667	3,761	5,180	6,381
Other assets	211	229	229	229	229
Total assets	31,541	37,852	34,939	36,350	37,544
Common equity	25,048	27,110	28,519	29,895	31,074
Minorities etc.	0	0	0	0	0
Total Shareholders' equity	25,048	27,110	28,519	29,895	31,074
Long term debt	4,000	8,000	4,000	4,000	4,000
Other long-term liabilities	256	408	408	408	408
Long-term liabilities	4,256	8,408	4,408	4,408	4,408
A/C payable	2,118	2,024	1,699	1,729	1,749
Short term debt	0	0	0	0	0
Other current liabilities	119	310	313	319	313
Current liabilities	2,237	2,334	2,011	2,047	2,062
Total liabilities and shareholders' equity	31,541	37,853	34,939	36,350	37,544
Net working capital	34	993	1,147	1,129	1,123
Invested capital	24,893	32,178	32,325	32,300	32,286

* Includes convertibles and preferred stock which is being treated as debt

Per share (THB)

Book value per share	2.98	3.23	3.40	3.56	3.70
Tangible book value per share	2.98	3.23	3.40	3.56	3.70

Financial strength

Net debt/Equity (%)	(1.6)	17.2	11.9	6.7	2.6
Net debt/total assets (%)	(1.3)	12.3	9.7	5.5	2.1
Current ratio (x)	3.0	2.9	1.9	2.5	3.1
CF interest cover (x)	(266.3)	66.9	6.1	47.6	45.6

Valuation	2018	2019	2020E	2021E	2022E
Recurring P/E (x) *	10.0	8.0	7.8	7.8	8.1
Recurring P/E @ target price (x) *	12.9	10.4	10.0	10.1	10.5
Reported P/E (x)	10.0	8.0	7.8	7.8	8.1
Dividend yield (%)	9.1	9.1	9.1	9.1	9.1
Price/book (x)	1.5	1.4	1.3	1.2	1.2
Price/tangible book (x)	1.5	1.4	1.3	1.2	1.2
EV/EBITDA (x) **	8.9	7.7	6.6	6.5	6.5
EV/EBITDA @ target price (x) **	11.5	9.7	8.4	8.3	8.4
EV/invested capital (x)	1.5	1.3	1.2	1.2	1.2

* Pre-exceptional & pre-goodwill are fully diluted ** EBITDA includes associate income and recurring non operating income

Sources: TPI Polene Power; FSSIA estimates

Corporate Governance report of Thai listed companies 2020

EXCELLENT LEVEL										
AAV	ADVANC	AF	AIRA	AKP	AKR	ALT	AMA	AMATA	AMATAV	ANAN
AOT	AP	ARIP	ARROW	ASP	BAFS	BANPU	BAY	BCP	BCPG	BDMS
BEC	BEM	BGRIM	BIZ	BKI	BLA	BOL	BPP	BRR	BTS	BWG
CENTEL	CFRESH	CHEWA	CHO	CIMBT	CK	CKP	CM	CNT	COL	COMAN
COTTO	CPALL	CPF	CPI	CPN	CSS	DELTA	DEMCO	DRT	DTAC	DTC
DV8	EA	EASTW	ECF	ECL	EGCO	EPG	ETE	FNS	FPI	FPT
FSMART	GBX	GC	GCAP	GEL	GFPT	GGC	GPSC	GRAMMY	GUNKUL	HANA
HARN	HMPRO	ICC	ICI	III	ILINK	INTUCH	IRPC	IVL	JKN	JSP
JWD	K	KBANK	KCE	KKP	KSL	KTB	KTC	LANNA	LH	LHFG
LIT	LPN	MAKRO	MALEE	MBK	MBKET	MC	MCOT	METCO	MFEC	MINT
MONO	MOONG	MSC	MTC	NCH	NCL	NEP	NKI	NOBLE	NSI	NVD
NYT	OISHI	ORI	OTO	PAP	PAP	PCSGH	PDJ	PG	PHOL	PLANB
PLAT	PORT	PPS	PR9	PREB	PRG	PRM	PSH	PSL	PTG	PTT
PTTEP	PTTGC	PYLON	Q-CON	QH	QTC	RATCH	RS	S	S & J	SAAM
SABINA	SAMART	SAMTEL	SAT	SC	SCB	SCC	SCCC	SCG	SCN	SDC
SEAFCO	SEOIL	SE-ED	SELIC	SENA	SIRI	SIS	SITHAI	SMK	SMPC	SNC
SONIC	SORKON	SPALI	SPI	SPRC	SPVI	SSSC	SST	STA	SUSCO	SUTHA
SVI	SYMC	SYNTEC	TACC	TASCO	TCAP	TFMAMA	THANA	THANI	THCOM	THG
THIP	THRE	THREL	TIP	TIPCO	TISCO	TK	TKT	TMB	TMILL	TNDT
TNL	TOA	TOP	TPBI	TQM	TRC	TSC	TSR	TSTE	TSTH	TTA
TTCL	TTW	TU	TVD	TVI	TVO	TWPC	U	UAC	UBIS	UV
VGI	VIH	WACOAL	WAVE	WHA	WHAUP	WICE	WINNER	TRUE		

VERY GOOD LEVEL										
2S	ABM	ACE	ACG	ADB	AEC	AEONTS	AGE	AH	AHC	AIT
ALLA	AMANAHA	AMARIN	APCO	APCS	APURE	AQUA	ASAP	ASEFA	ASIA	ASIAN
ASIMAR	ASK	ASN	ATP30	AUCT	AWC	AYUD	B	BA	BAM	BBL
BFIT	BGC	BJC	BJCHI	BROOK	BTW	CBG	CEN	CGH	CHARAN	CHAYO
CHG	CHOTI	CHOW	CI	CIG	CMC	COLOR	COM7	CPL	CRC	CRD
CSC	CSP	CWT	DCC	DCON	DDD	DOD	DOHOME	EASON	EE	ERW
ESTAR	FE	FLOYD	FN	FORTH	FSS	FTE	FVC	GENCO	GJS	GL
GLAND	GLOBAL	GLOCON	GPI	GULF	GYT	HPT	HTC	ICN	IFS	ILM
IMH	INET	INSURE	IRC	IRCP	IT	ITD	ITEL	J	JAS	JCK
JCKH	JMART	JMT	KBS	KCAR	KGI	KIAT	KOOL	KTIS	KWC	KWM
L&E	LALIN	LDC	LHK	LOXLEY	LPH	LRH	LST	M	MACO	MAJOR
MBAX	MEGA	META	MFC	MGT	MILL	MITSIB	MK	MODERN	MTI	MVP
NETBAY	NEX	NINE	NTV	NWR	OCC	OGC	OSP	PATO	PB	PDG
PDI	PICO	PIMO	PJW	PL	PM	PPP	PRIN	PRINC	PSTC	PT
QLT	RCL	RICHY	RML	RPC	RWI	S11	SALEE	SAMCO	SANKO	SAPPE
SAWAD	SCI	SCP	SE	SEG	SFP	SGF	SHR	SIAM	SINGER	SKE
SKR	SKY	SMIT	SMT	SNP	SPA	SPC	SPCG	SR	SRICHA	SSC
SSF	STANLY	STI	STPI	SUC	SUN	SYNEX	T	TAE	TAKUNI	TBSP
TCC	TCMC	TEAM	TEAMG	TFG	TIGER	TITLE	TKN	TKS	TM	TMC
TMD	TMI	TMT	TNITY	TNP	TNR	TOG	TPA	TPAC	TPCORP	TPOLY
TPS	TRITN	TRT	TRU	TSE	TVT	TWP	UEC	UMI	UOBKH	UP
UPF	UPOIC	UT	UTP	UWC	VL	VNT	VPO	WIJK	WP	XO
YUASA	ZEN	ZIGA	ZMICO							

GOOD LEVEL										
7UP	A	ABICO	AJ	ALL	ALUCON	AMC	APP	ARIN	AS	AU
B52	BC	BCH	BEAUTY	BGT	BH	BIG	BKD	BLAND	BM	BR
BROCK	BSBM	BSM	BTNC	CAZ	CCP	CGD	CITY	CMAN	CMO	CMR
CPT	CPW	CRANE	CSR	D	EKH	EP	ESSO	FMT	GIFT	GREEN
GSC	GTB	HTECH	HUMAN	IHL	INOX	INSET	IP	JTS	JUBILE	KASET
KCM	KKC	KUMWEL	KUN	KWG	KYE	LEE	MATCH	MATI	M-CHAI	MCS
MDX	MJD	MM	MORE	NC	NDR	NER	NFC	NNCL	NPK	NUSA
OCEAN	PAF	PF	PK	PLE	PMTA	POST	PPM	PRAKIT	PRECHA	PRIME
PROUD	PTL	RBF	RCI	RJH	ROJNA	RP	RPH	RSP	SF	SFLEX
SGP	SISB	SKN	SLP	SMART	SOLAR	SPG	SQ	SSP	STARK	STC
SUPER	SVOA	TC	TCCC	THMUI	TIW	TNH	TOPP	TPCH	TPIPP	TPLAS
TTI	TYCN	UKEM	UMS	VCOM	VRANDA	WIN	WORK	WPH		

Description

Score Range

Excellent

90-100

Very Good

80-89

Good

70-79

Disclaimer:

The disclosure of the survey results of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey results may be changed after that date. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such survey results.

* CGR scoring should be considered with news regarding wrong doing of the company or director or executive of the company such unfair practice on securities trading, fraud, and corruption SEC imposed a civil sanction against insider trading of director and executive; ** delisted

Source: Thai Institute of Directors Association (IOD); FSSIA's compilation

Anti-corruption Progress Indicator 2020

CERTIFIED										
2S	ADVANC	AI	AIE	AIRA	AKP	AMA	AMANAHA	AP	AQUA	ARROW
ASK	ASP	AYUD	B	BAFS	BANPU	BAY	BBL	BCH	BCP	BCPG
BGC	BGRIM	BJCHI	BKI	BLA	BPP	BROOK	BRR	BSBM	BTS	BWG
CEN	CENTEL	CFRESH	CGH	CHEWA	CHOTI	CHOW	CIG	CIMBT	CM	CMC
COL	COM7	CPALL	CPF	CPI	CPN	CSC	DCC	DELTA	DEMCO	DIMET
DRT	DTAC	DTC	EASTW	ECL	EGCO	FE	FNS	FPI	FPT	FSS
FTE	GBX	GC	GCAP	GEL	GFPT	GGC	GJS	GPSC	GSTEEL	GUNKUL
HANA	HARN	HMPRO	HTC	ICC	ICHI	IFS	INET	INSURE	INTUCH	IRPC
ITEL	IVL	K	KASET	KBANK	KBS	KCAR	KCE	KGI	KKP	KSL
KTB	KTC	KWC	L&E	LANNA	LHFG	LHK	LPN	LRH	M	MAKRO
MALEE	MBAX	MBK	MBKET	MC	MCOT	MFC	MFEC	MINT	MONO	MOONG
MPG	MSC	MTC	MTI	NBC	NEP	NINE	NKI	NMG	NNCL	NSI
NWR	OCC	OCEAN	OGC	ORI	PAP	PATO	PB	PCSGH	PDG	PDI
PDJ	PE	PG	PHOL	PL	PLANB	PLANET	PLAT	PM	PPP	PPPM
PPS	PREB	PRG	PRINC	PRM	PSH	PSL	PSTC	PT	PTG	PTT
PTTEP	PTTGC	PYLON	Q-CON	QH	QLT	QTC	RATCH	RML	RWI	S & J
SABINA	SAT	SC	SCB	SCC	SCCC	SCG	SCN	SEAOIL	SE-ED	SELIC
SENA	SGP	SIRI	SITHAI	SMIT	SMK	SMPC	SNC	SNP	SORKON	SPACK
SPC	SPI	SPRC	SRICHA	SSF	SSSC	SST	STA	SUSCO	SVI	SYNTEC
TAE	TAKUNI	TASCO	TBSP	TCAP	TCMC	TFG	TFI	TFMAMA	THANI	THCOM
THIP	THRE	THREL	TIP	TIPCO	TISCO	TKT	TMB	TMD	TMILL	TMT
TNITY	TNL	TNP	TNR	TOG	TOP	TPA	TPCORP	TPP	TRU	TSC
TSTH	TTCL	TU	TVD	TVI	TVO	TWPC	U	UBIS	UEC	UKEM
UOBKH	UWC	VGI	VIH	VNT	WACOAL	WHA	WHAUP	WICE	WIJK	XO
ZEN	TRUE									

DECLARED										
7UP	ABICO	AF	ALT	AMARIN	AMATA	AMATAV	ANAN	APURE	B52	BKD
BM	BROCK	BUI	CHO	CI	COTTO	DDD	EA	EFORL	EP	ERW
ESTAR	ETE	EVER	FSMART	GPI	ILINK	IRC	J	JKN	JMART	JMT
JSP	JTS	KWG	LDC	MAJOR	META	NCL	NOBLE	NOK	PK	PLE
ROJNA	SAAM	SAPPE	SCI	SE	SHANG	SINGER	SKR	SPALI	SSP	STANLY
SUPER	SYNEX	THAI	TKS	TOPP	TRITN	TTA	UPF	UV	WIN	ZIGA

Level	
Certified	This level indicates practical participation with thoroughly examination in relation to the recommended procedures from the audit committee or the SEC's certified auditor, being a certified member of Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) or already passed examination to ensure independence from external parties.
Declared	This level indicates determination to participate in the Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC)

Disclaimer:

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of Thaipat Institute that is a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, FSS International Investment Advisory Company Limited does not confirm, verify, or certify the accuracy and completeness of the assessment results.

Note: Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of June 24, 2019) are categorised into: 1) companies that have declared their intention to join CAC, and; 2) companies certified by CAC.

Source: The Securities and Exchange Commission, Thailand; * FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Suwat Sinsadok FSS International Investment Advisory Securities Co., Ltd

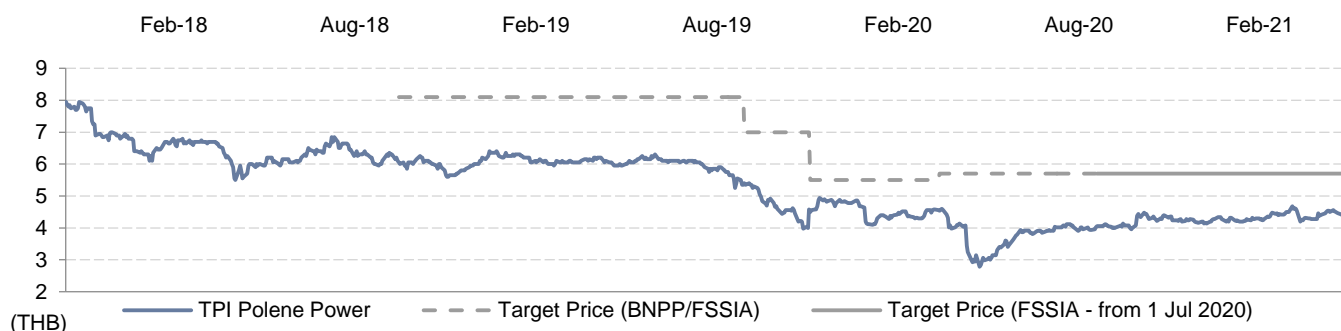
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed herein.

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History of change in investment rating and/or target price

TPI Polene Power (TPIPP TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
15-Nov-2018	BUY	8.10	31-Oct-2019	BUY	5.50	-	-	-
05-Sep-2019	BUY	7.00	18-Feb-2020	BUY	5.70			

Suwat Sinsadok started covering this stock from 15-Nov-2018

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
TPI Polene Power	TPIPP TB	THB 4.40	BUY	Downside risks to our SOTP-based TP include 1) lower-than-expected demand for electricity in Thailand; 2) lower crude prices; and 3) unplanned shutdowns of the company's power plants.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited

FSSIA may incorporate the recommendations and target prices of companies currently covered by FSS Research into equity research reports, denoted by an 'FSS' before the recommendation. FSS Research is part of Finansia Syrus Securities Public Company Limited, which is the parent company of FSSIA.

All share prices are as at market close on 01-Feb-2021 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as (target price* - current price) / current price.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

Neutral. The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

Underweight. The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.