

GULF ENERGY DEVELOPMENT

THAILAND / UTILITIES - CONVENTIONAL

GULF TB

BUY

UNCHANGED

4 กิจการร่วมค้าสำหรับแผนการเติบโตที่เร็วขึ้น

- GULF ประกาศ 4 กิจการร่วมค้ากับบริษัทชั้นนำหลายแห่งที่จะช่วยเสริมสร้างแนวโน้มนำการเติบโตของบริษัท ให้ดียิ่งขึ้น
- เราคาดว่า GULF จะได้กำลังการผลิตไฟฟ้าเพิ่มเติมจาก 2 แผนพัฒนาโรงไฟฟ้าในไทย และเวียดนาม
- คงแนะนำซื้อที่ราคาเป้าหมาย 60 บาท (SoTP)

TARGET PRICE	THB60.00
CLOSE	THB47.25
UP/DOWNSIDE	+27.0%
TP vs CONSENSUS	+14.3%

KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	47,467	76,192	76,374	77,844
Net profit	7,670	13,752	14,799	15,669
EPS (THB)	0.65	1.17	1.26	1.34
vs Consensus (%)	-	16.3	(1.9)	(15.5)
EBITDA	16,913	22,667	24,078	22,635
Core net profit	8,812	13,752	14,799	15,669
Core EPS (THB)	0.75	1.17	1.26	1.34
EPS growth (%)	96.8	56.1	7.6	5.9
Core P/E (x)	62.9	40.3	37.5	35.4
Dividend yield (%)	0.9	1.5	1.5	1.5
EV/EBITDA (x)	41.2	30.6	28.5	29.9
Price/book (x)	5.7	5.3	5.0	4.6
Net debt/Equity (%)	122.6	103.2	86.5	66.1
ROE (%)	11.0	13.6	13.6	13.6

4 กิจการร่วมค้าเพื่อขยายธุรกิจไฟฟ้าหมุนเวียนและตลาดสินทรัพย์ดิจิทัล

ในช่วงเดือนที่ผ่านมา GULF ได้ประกาศ 4 กิจการร่วมค้ากับบริษัทชั้นนำหลายแห่งเพื่อเสริมสร้างแนวโน้มนำการเติบโตของบริษัท ให้ดียิ่งขึ้นประกอบด้วย 1) กิจการร่วมค้ากับ Central Retail Group (CRC TB, BUY) ผ่าน Greengreen Energy Company (GGE ซึ่ง GULF ถือหุ้น 50%) เพื่อพัฒนา Solar rooftops และขายไฟฟ้าให้แก่ลูกค้าของ CRC ผ่าน Thai Watsadu ซึ่งเป็นบริษัทย่อยของ CRC (ประกาศเมื่อวันที่ 26 พ.ค. 22); 2) กิจการร่วมค้ากับ Gunkul Engineering (GUNKUL TB, BUY) (50%) เพื่อพัฒนาโครงการไฟฟ้าหมุนเวียนจากลมและ Solar rooftops (25 พ.ค. 22); 3) การจัดตั้งกิจการร่วมค้า SG Solar Company (SG Solar, 50%) เพื่อพัฒนาโครงการ Solar rooftops สำหรับกลุ่มบริษัท Siam Cement (SCC TB, BUY) (20 พ.ค. 22); และ 4) การจัดตั้งตลาดสินทรัพย์ดิจิทัล (51%) กับ Binance ในประเทศไทย (17 พ.ค. 22)

แผนเพิ่มกำลังการผลิตไฟฟ้าหมุนเวียนกำลังเริ่มเป็นรูปเป็นร่างในปัจจุบัน

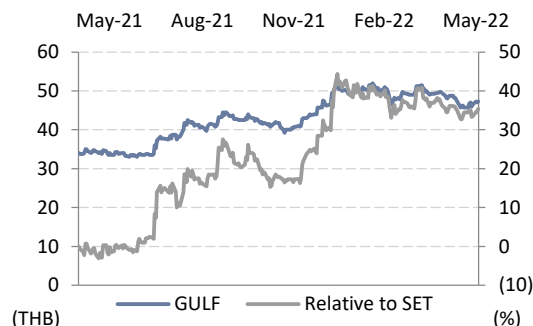
จาก 4 กิจการร่วมค้าที่ประกาศในเดือน พ.ค. 22 บริษัทฯ วางแผนใช้กิจการร่วมค้า 3 แห่งเพื่อเพิ่มกำลังการผลิตไฟฟ้าหมุนเวียนไม่เกิน 1,000MW ภายในปี 2022-25 กำลังการผลิตไฟฟ้าพลังแสงอาทิตย์จะประกอบด้วยโครงการ Solar rooftops (GGE, GUNKUL JV, SG Solar) และโรงไฟฟ้าพลังลม รวมถึงโครงการไฟฟ้าหมุนเวียนอื่นเกี่ยวกับนวัตกรรมในด้านพลังงาน เช่น Microgrid และ Smart metre เราเชื่อว่า GULF จะประกาศกิจการร่วมค้าเพิ่มกับบริษัทชั้นนำอื่นเพื่อทำธุรกิจโรงผลิตไฟฟ้าจากขยะเทศบาลและขยะอุตสาหกรรมภายในสิ้นปี 2022

แผนพัฒนากำลังผลิตไฟฟ้า 2 ฉบับเป็นปัจจัยหนุนการเติบโตสำคัญในปี 2022-23

ในปี 2022 เราคาดว่า GULF จะหา กำลังการผลิตไฟฟ้าเพิ่มได้จาก 2 แผนพัฒนากำลังการผลิตไฟฟ้าของประเทศไทยและเวียดนาม ภายใต้แผนฯ ปี 2018 ฉบับปรับปรุงครั้งที่ 1 ในปัจจุบัน ประเทศไทยตั้งเป้ากำลังการผลิตไฟฟ้าหมุนเวียนไว้ที่ 18.7GW หรือ 21% ของกำลังการผลิตรวมภายในปี 2037 ส่วนมากจะมาจากโรงไฟฟ้าพลังแสงอาทิตย์และโครงการ Rooftops (8.7GW), แผลผลิตไฟฟ้าลอยน้ำ (2.7GW), ลม (1.5GW), ขยะเทศบาลและขยะอุตสาหกรรม (44MW - 200MW), และอื่น ๆ (3.2GW) เราคาดว่าการประมูลกำลังการผลิตไฟฟ้าพลังแสงอาทิตย์ และขยะจะเกิดขึ้นภายในปี 2022 ในขณะที่แผนฯ ฉบับที่ 8 ของเวียดนาม (2021-30E) ที่มีแหล่งไฟฟ้าหมุนเวียน 43.9% มีกำหนดในปี 2030

หุ้นเติบโตในกลุ่มโรงไฟฟ้าของไทย

เราแนะนำซื้อที่ราคาเป้าหมาย 60 บาท (SoTP) เราคิดว่า GULF เป็นหนึ่งในหุ้นไฟฟ้าที่น่าสนใจที่สุดของไทยที่มีแนวโน้มการเติบโตอย่างชัดเจนในปี 2022-25



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(3.1)	(5.5)	43.2
Relative to country (%)	(0.1)	(2.3)	38.2
Mkt cap (USD m)	16,174		
3m avg. daily turnover (USD m)	32.4		
Free float (%)	27		
Major shareholder	Mr. Sarath Ratanavadi (35%)		
12m high/low (THB)	52.75/32.75		
Issued shares (m)	11,733.15		

Sources: Bloomberg consensus; FSSIA estimates

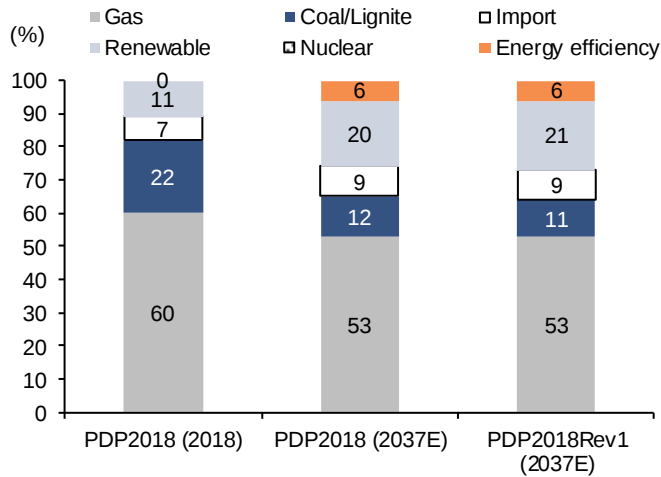


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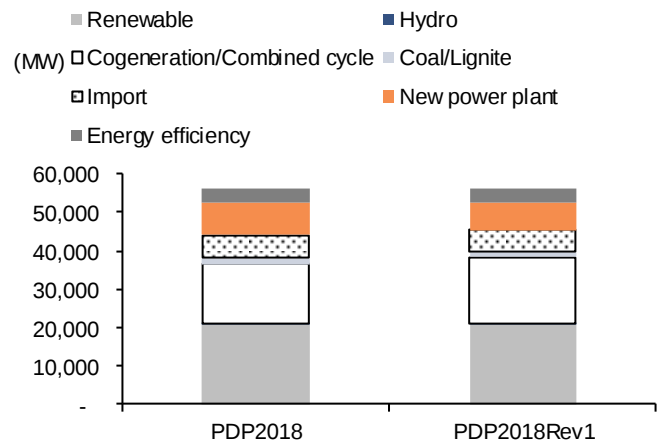
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Exhibit 1: Power capacity breakdown under PDP 2018 (%)

Sources: PDP 2018 and PDP 2018 Revision 1

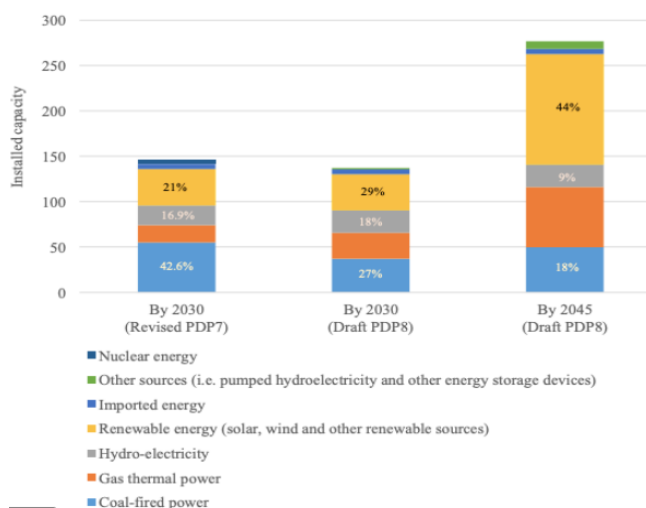
Exhibit 2: Power capacity breakdown under PDP 2018

Sources: PDP 2018 and PDP 2018 Revision 1

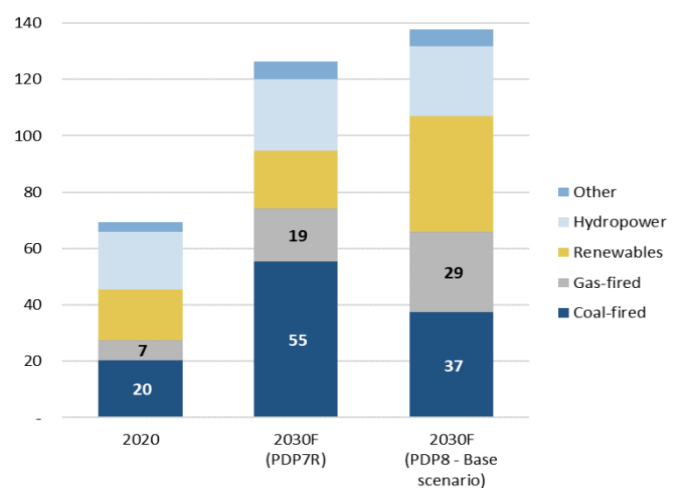
Exhibit 3: Renewable capacity breakdown under PDP 2018 Rev1

Projects	PDP 2018	PDP 2018 Rev1
	(MW)	(MW)
Projects under government-supportive policy		
- WTE-community waste	400	400
- Biomass (Pracharat) for four southernmost provinces	120	120
- Community power for grassroots economy	-	1,933
Subtotal	520	2,453
Projects under AEDP 2018		
Solar	10,000	8,740
Biomass	3,375	2,780
Biogas	546	400
Solar floating	2,725	2,725
Wind	1,485	1,485
WTE-industrial	44	44
Small hydro	-	69
Subtotal	18,175	16,243
Total	18,695	18,696

Source: Ministry of Energy

Exhibit 4: Vietnam's PDP 8 draft as of Oct-21

Source: Lexology

Exhibit 5: Vietnam's PDP 8 draft as of Feb-21Source: [Institute for Energy Economics and Financial Analysis](#)

Financial Statements

Gulf Energy Development

Profit and Loss (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Revenue	32,827	47,467	76,192	76,374	77,844
Cost of goods sold	(20,271)	(29,399)	(47,962)	(46,949)	(50,538)
Gross profit	12,556	18,068	28,229	29,424	27,306
Other operating income	-	-	-	-	-
Operating costs	(1,884)	(1,155)	(5,562)	(5,346)	(4,671)
Operating EBITDA	10,672	16,913	22,667	24,078	22,635
Depreciation	(3,431)	(4,989)	(5,180)	(5,503)	(5,503)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	7,241	11,924	17,487	18,575	17,132
Net financing costs	(3,715)	(6,587)	(4,085)	(4,376)	(1,277)
Associates	2,462	2,886	5,015	5,928	7,829
Recurring non-operating income	2,922	5,319	5,035	5,948	7,849
Non-recurring items	(196)	(1,142)	0	0	0
Profit before tax	6,252	9,514	18,437	20,147	23,704
Tax	(107)	(347)	(503)	(970)	(1,135)
Profit after tax	6,144	9,167	17,934	19,177	22,569
Minority interests	(1,862)	(1,497)	(4,182)	(4,378)	(6,900)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	4,282	7,670	13,752	14,799	15,669
Non-recurring items & goodwill (net)	196	1,142	0	0	0
Recurring net profit	4,478	8,812	13,752	14,799	15,669
Per share (THB)					
Recurring EPS *	0.38	0.75	1.17	1.26	1.34
Reported EPS	0.36	0.65	1.17	1.26	1.34
DPS	0.25	0.44	0.70	0.70	0.70
Diluted shares (used to calculate per share data)	11,733	11,733	11,733	11,733	11,733
Growth					
Revenue (%)	9.3	44.6	60.5	0.2	1.9
Operating EBITDA (%)	61.9	58.5	34.0	6.2	(6.0)
Operating EBIT (%)	74.1	64.7	46.7	6.2	(7.8)
Recurring EPS (%)	16.0	96.8	56.1	7.6	5.9
Reported EPS (%)	(20.3)	79.1	79.3	7.6	5.9
Operating performance					
Gross margin inc. depreciation (%)	27.8	27.6	30.3	31.3	28.0
Gross margin of key business (%)	27.8	27.6	30.3	31.3	28.0
Operating EBITDA margin (%)	32.5	35.6	29.8	31.5	29.1
Operating EBIT margin (%)	22.1	25.1	23.0	24.3	22.0
Net margin (%)	13.6	18.6	18.0	19.4	20.1
Effective tax rate (%)	2.8	5.2	3.7	6.8	7.1
Dividend payout on recurring profit (%)	65.5	58.6	59.7	55.5	52.4
Interest cover (X)	2.7	2.6	5.5	5.6	19.6
Inventory days	-	-	-	-	-
Debtor days	60.4	58.6	49.5	56.7	62.8
Creditor days	27.4	27.5	30.8	38.7	36.9
Operating ROIC (%)	5.5	(1.9)	(2.7)	(2.8)	(2.6)
ROIC (%)	5.0	(1.3)	(1.4)	(1.5)	(1.5)
ROE (%)	8.7	11.0	13.6	13.6	13.6
ROA (%)	4.9	3.0	4.6	4.8	5.6

* Pre exceptional, pre-goodwill and fully diluted

Revenue by Division (THB m)	2020	2021	2022E	2023E	2024E
Power business	31,772	42,324	70,940	71,122	72,593
Consulting business	1,154	5,772	5,772	5,772	5,772
Others	(99)	(629)	(521)	(521)	(521)

Sources: Gulf Energy Development; FSSIA estimates

Financial Statements

Gulf Energy Development

Cash Flow (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Recurring net profit	4,478	8,812	13,752	14,799	15,669
Depreciation	3,431	4,989	5,180	5,503	5,503
Associates & minorities	2,462	2,886	5,015	5,928	7,829
Other non-cash items	-	-	-	-	-
Change in working capital	2,798	1,823	6,236	(1,597)	(883)
Cash flow from operations	13,169	18,510	30,184	24,632	28,117
Capex - maintenance	(3,152)	(4,285)	(3,395)	(3,805)	(3,805)
Capex - new investment	(49,037)	(1,114)	(13,043)	(462)	(2,108)
Net acquisitions & disposals	(832)	(113,494)	0	0	0
Other investments (net)	436	55,878	5,015	5,928	7,829
Cash flow from investing	(52,585)	(63,015)	(11,423)	1,661	1,916
Dividends paid	(2,773)	(2,933)	(5,163)	(8,213)	(8,213)
Equity finance	0	0	0	0	0
Debt finance	27,702	54,256	(10,931)	0	0
Other financing cash flows	16,000	(2,874)	(5,848)	(7,477)	(4,542)
Cash flow from financing	40,929	48,449	(21,942)	(15,691)	(12,755)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	1,513	3,944	(3,181)	10,603	17,278
Free cash flow to firm (FCFF)	(35,750.90)	(38,909.14)	23,640.23	31,336.18	32,401.22
Free cash flow to equity (FCFE)	4,285.96	6,877.73	1,981.82	18,815.82	25,491.10

Per share (THB)

FCFF per share	(3.05)	(3.32)	2.01	2.67	2.76
FCFE per share	0.37	0.59	0.17	1.60	2.17
Recurring cash flow per share	0.88	1.42	2.04	2.24	2.47

Balance Sheet (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Tangible fixed assets (gross)	139,958	144,790	159,443	162,012	162,012
Less: Accumulated depreciation	(10,240)	(14,662)	(18,057)	(21,862)	(25,668)
Tangible fixed assets (net)	129,718	130,128	141,386	140,150	136,345
Intangible fixed assets (net)	17,354	18,964	18,964	18,964	18,964
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	22,079	135,573	135,573	135,573	135,573
Cash & equivalents	15,902	19,847	16,666	27,268	44,546
A/C receivable	5,660	9,569	11,093	12,620	14,177
Inventories	0	0	0	0	0
Other current assets	8,792	9,395	15,081	15,117	15,408
Current assets	30,354	38,811	42,839	55,005	74,131
Other assets	46,075	39,197	39,197	39,197	39,197
Total assets	245,580	362,674	377,960	388,890	404,211
Common equity	64,027	96,596	105,185	111,771	119,227
Minorities etc.	8,053	10,913	15,095	19,473	26,373
Total shareholders' equity	72,080	107,509	120,281	131,244	145,600
Long term debt	83,544	138,761	138,761	138,761	138,761
Other long-term liabilities	60,314	81,387	81,387	81,387	81,387
Long-term liabilities	143,858	220,148	220,148	220,148	220,148
A/C payable	1,353	3,080	5,025	4,919	5,295
Short term debt	13,892	12,931	2,000	2,000	2,000
Other current liabilities	14,397	19,005	30,505	30,578	31,167
Current liabilities	29,643	35,016	37,531	37,498	38,462
Total liabilities and shareholders' equity	245,581	362,674	377,960	388,890	404,211
Net working capital	(1,298)	(3,121)	(9,357)	(7,760)	(6,877)
Invested capital	213,928	320,742	325,764	326,124	323,202

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

Per share (THB)

Book value per share	5.46	8.23	8.96	9.53	10.16
Tangible book value per share	3.98	6.62	7.35	7.91	8.55

Financial strength

Net debt/equity (%)	113.1	122.6	103.2	86.5	66.1
Net debt/total assets (%)	33.2	36.4	32.8	29.2	23.8
Current ratio (x)	1.0	1.1	1.1	1.5	1.9
CF interest cover (x)	15.4	2.2	4.7	5.4	22.6

Valuation	2020	2021	2022E	2023E	2024E
Recurring P/E (x) *	123.8	62.9	40.3	37.5	35.4
Recurring P/E @ target price (x) *	157.2	79.9	51.2	47.6	44.9
Reported P/E (x)	129.5	72.3	40.3	37.5	35.4
Dividend yield (%)	0.5	0.9	1.5	1.5	1.5
Price/book (x)	8.7	5.7	5.3	5.0	4.6
Price/tangible book (x)	11.9	7.1	6.4	6.0	5.5
EV/EBITDA (x) **	60.3	41.2	30.6	28.5	29.9
EV/EBITDA @ target price (x) **	74.4	50.1	37.2	34.8	36.5
EV/invested capital (x)	3.0	2.2	2.1	2.1	2.1

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

Sources: Gulf Energy Development; 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	ICHI	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	PCSGH	PDJ	PG	PHOL	PLANB	PLANET
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	TTB	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	MITSI	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	TIPIP	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	SEAOL	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	TTB	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	WIIK	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, CFA, FRM, ERP FSS International Investment Advisory Securities Co., Ltd

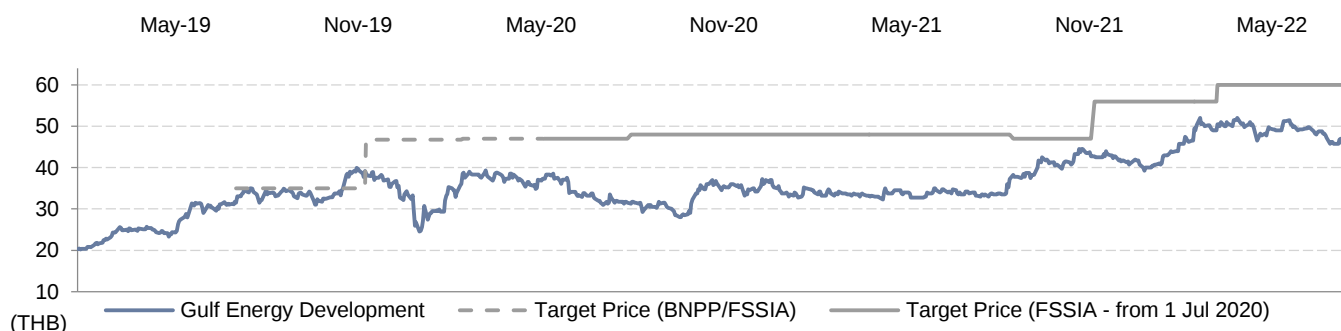
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) 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

Gulf Energy Development (GULF TB)



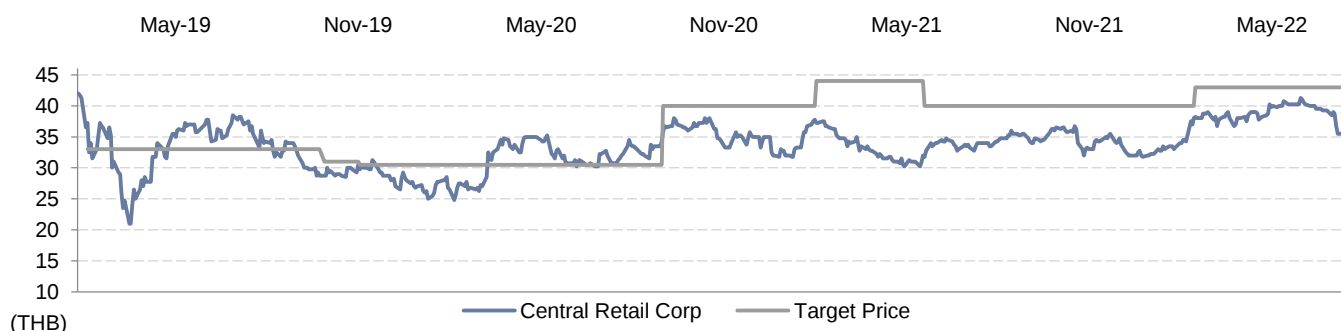
Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
10-Oct-2019	BUY	35.00	11-Sep-2020	BUY	48.00	31-Jan-2022	BUY	60.00
30-Jan-2020	BUY	46.80	06-Aug-2021	BUY	47.00			
22-Apr-2020	BUY	47.00	15-Oct-2021	BUY	56.00			

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 30-Jun-2020

Price and TP are in local currency

Source: FSSIA estimates

Central Retail Corp (CRC TB)



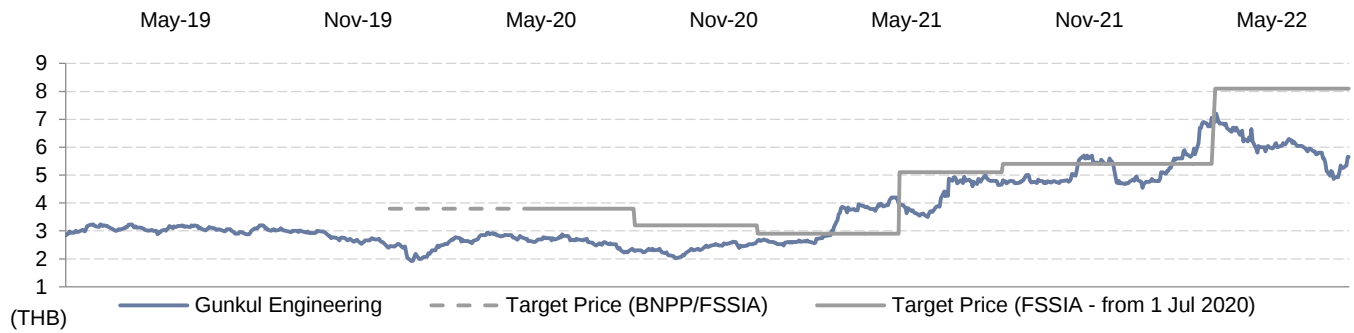
Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
25-Feb-2020	REDUCE	33.00	02-Mar-2021	BUY	40.00	09-Feb-2022	BUY	43.00
24-Jul-2020	HOLD	31.00	09-Jun-2021	BUY	44.00			
18-Aug-2020	HOLD	30.50	18-Aug-2021	BUY	40.00			

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 24-Jul-2020

Price and TP are in local currency

Source: FSSIA estimates

Gunkul Engineering (GUNKUL TB)



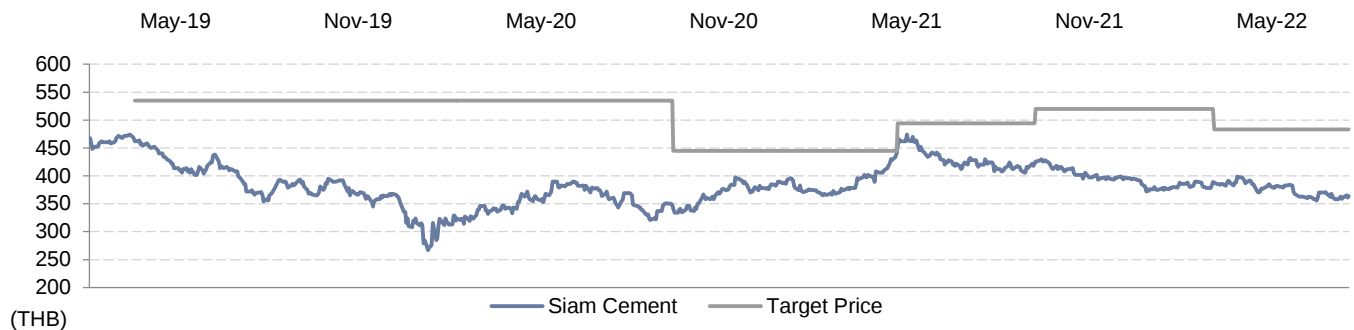
Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
27-Feb-2020	BUY	3.80	05-Jan-2021	BUY	2.90	02-Aug-2021	BUY	5.40
22-Sep-2020	BUY	3.20	06-May-2021	BUY	5.10	28-Jan-2022	BUY	8.10

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 14-May-2020

Price and TP are in local currency

Source: FSSIA estimates

Siam Cement (SCC TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
05-Jul-2019	BUY	535.00	27-Apr-2021	BUY	494.00	27-Jan-2022	BUY	483.00
14-Oct-2020	BUY	445.00	25-Aug-2021	BUY	520.00			

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 14-Oct-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Gulf Energy Development	GULF TB	THB 47.25	BUY	The downside risks to our SoTP-based TP on GULF include 1) lower-than-expected demand for electricity in Thailand; 2) a lower crude price; and 3) delays in project commercial operation dates.
Central Retail Corp	CRC TB	THB 36.75	BUY	The key downside risks to our DCF-based TP include 1) new waves of Covid-19; and 2) lower-than-expected sales from the high-margin fashion business.
Gunkul Engineering	GUNKUL TB	THB 5.65	BUY	The downside risks to our SoTP-based TP on GUNKUL include 1) lower-than-expected demand for electricity in Thailand, 2) declining EPC backlogs, and 3) lower-than-expected utilisation rates for solar and wind farms
Siam Cement	SCC TB	THB 364.00	BUY	Downside risks to our SOTP based TP include 1) a lower-than-expected demand for chemicals, CBM, and packaging; 2) rising coal costs for its cement and packaging units; and 3) weaker demand from the automobile industry that could erode the demand for SCC's chemical unit and its dividend contributions.

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 25-May-2022 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as $(\text{target price}^* - \text{current price}) / \text{current price}$.

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.