

BANGCHAK CORP

THAILAND / OIL & GAS

BCP TB

BUY

UNCHANGED

Solid all around in 1Q22

- 1Q22 net profit was THB4.4b, up 148% q-q and 91% y-y, mainly due to an after-tax non-recurring gain.
- 1Q22 core NP was THB2.4b, up 19% q-q due to a higher refinery utilisation rate of 102%, or 122kbpd, a record high level.
- Maintain BUY at our TP of THB40.

TARGET PRICE	THB40.00
CLOSE	THB34.25
UP/DOWNSIDE	+16.8%
TP vs CONSENSUS	+12.5%

KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	199,417	256,235	240,700	238,596
Net profit	7,624	6,830	6,887	7,022
EPS (THB)	5.54	4.96	5.00	5.10
vs Consensus (%)	-	22.0	35.6	24.4
EBITDA	17,928	20,978	21,538	22,386
Core net profit	3,401	6,830	6,887	7,022
Core EPS (THB)	2.47	4.96	5.00	5.10
EPS growth (%)	nm	100.8	0.8	2.0
Core P/E (x)	13.9	6.9	6.8	6.7
Dividend yield (%)	5.8	7.2	7.3	7.4
EV/EBITDA (x)	6.0	5.5	5.6	5.6
Price/book (x)	0.9	0.8	0.8	0.7
Net debt/Equity (%)	65.0	68.3	71.9	73.7
ROE (%)	6.8	12.3	11.7	11.2

Solid 1Q22 earnings led by refinery

1Q22 net profit (NP) was THB4.4b, up 148% q-q and 91% y-y, beating the BBG consensus forecast by 45% and our own by 15%, mainly due to an after-tax non-recurring gain. 1Q22 core NP was THB2.4b, up 19% q-q due to a higher refinery utilisation rate of 102%, or 122kbpd, a record high. In 1Q22, there were multiple before-tax non-operating items, including: 1) a THB2.8b oil inventory gain; 2) a hedging loss of THB1.3b; 3) an FX gain of THB60m; 4) a THB2b gain from its geothermal power plant divestment; 5) the reversal of an impairment loss of THB563m; and 6) an impairment loss of THB384m for a solar farm in Japan.

Strong GRM plus a record high utilisation rate at 102%

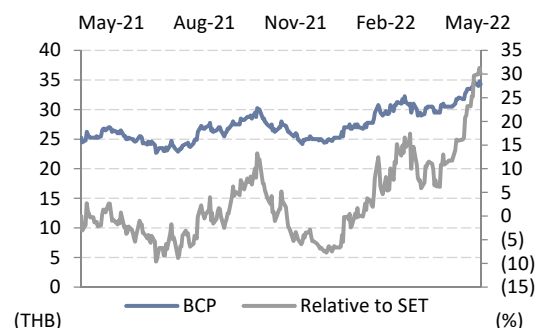
Total EBITDA was THB13.7b in 1Q22, up 48% q-q due to the higher GRM. Accounting GRM was USD13.3/bbl in 1Q22, up 33% q-q due to a higher inventory gain. Market GRM was at USD6.8/bbl, flat q-q, driven by q-q higher product margins, rising volumes, and higher sales of unconverted oil. Power EBITDA was THB3.1b in 1Q22, up 214% y-y and 196% q-q, due to the THB2b divestment gain which offset the THB0.6b impairment loss.

Oil station performance improved

Marketing EBITDA was THB1.1b in 1Q22 (+15% y-y, +338% q-q) due to a higher marketing margin at THB0.59/litre (+9% q-q) and 10 new oil service stations for a total of 1,292 in 1Q22. The marketing sales volume jumped in 1Q22, driven by a higher industrial sales volume to 286m litres (+54% y-y, +21% q-q) to offset the weaker retail service station sales volume of 1,122m litres (+7% y-y, -2% q-q). Biodiesel EBITDA rose to THB343m, (+35% q-q, -19% y-y) on the higher selling price of B100. The E&P unit saw 12% q-q lower EBITDA due to a 15% q-q lower sales volume on the planned shutdowns of Ivar Assen and Gjoa.

A unique refinery-oil station-power-E&P play

Maintain BUY at our TP of THB40. We think BCP is an attractive refinery play thanks to its multiple growth drivers in 2022, including the higher price of oil & gas, rising demand for domestic oil, improving margins and sales volumes of its non-oil business, and potential earnings upsides from its E&P unit.



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	12.3	18.1	31.7
Relative to country (%)	16.8	24.4	28.9
Mkt cap (USD m)	1,407		
3m avg. daily turnover (USD m)	8.5		
Free float (%)	62		
Major shareholder	Ministry of Finance (25%)		
12m high/low (THB)	35.25/22.60		
Issued shares (m)	1,376.92		

Sources: Bloomberg consensus; FSSIA estimates



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Exhibit 1: Summary of 1Q22 operations

	1Q21	4Q21	1Q22		2021	2022E	Chg.	
	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	(y-y %)
Revenue	41,230	66,762	69,055	3.4	67.5	199,417	256,235	28.5
Operating costs	(36,493)	(57,481)	(55,341)	(3.7)	51.6	(181,489)	(235,257)	29.6
EBITDA	4,737	9,281	13,714	47.8	189.5	17,928	20,978	17.0
<i>EBITDA margin (%)</i>	11.5	13.9	19.9	<i>nm</i>	<i>nm</i>	9.0	8.2	<i>nm</i>
Depreciation & amort	(1,671)	(2,285)	(2,267)	(0.8)	35.7	(8,075)	(9,158)	13.4
EBIT	3,066	6,996	11,447	63.6	273.3	9,853	11,820	20.0
Interest expense	(464)	(809)	(836)	3.3	80.2	(2,540)	(2,611)	2.8
Interest & invt inc	142	185	350	89.2	146.8	0	0	<i>nm</i>
Associates' contrib	194	159	148	(6.9)	(23.9)	2,321	1,373	(40.9)
Exceptionals	111	(2,207)	951	(143.1)	755.8	4,473	0	<i>nm</i>
Pretax profit	3,049	4,324	12,059	178.9	295.5	14,108	10,581	(25.0)
Tax	(408)	(1,756)	(5,347)	204.4	1,211.4	(4,263)	(3,051)	(28.4)
<i>Tax rate (%)</i>	13.4	40.6	44.3	<i>nm</i>	<i>nm</i>	30.2	28.8	<i>nm</i>
Minority interests	(358)	(811)	(1,147)	41.4	220.2	(2,221)	(700)	(68.5)
Net profit	2,284	1,756	4,356	148.1	90.8	7,624	6,830	(10.4)
Non-recurring	(2,203)	225	(2,002)	<i>nm</i>	(9.1)	(4,223)	0	<i>nm</i>
Core profit	81	1,981	2,354	18.8	2,806.2	3,401	6,830	100.8
EPS (THB)	1.59	1.20	3.12	160.0	96.2	5.54	4.96	(10.4)
Core EPS (THB)	0.06	1.44	1.71	18.8	2,806.2	2.47	4.96	100.8

Sources: BCP; FSSIA estimates

Exhibit 2: 1Q22 key quarterly performance

	Unit	1Q21	4Q21	1Q22	Change	
					(q-q %)	(y-y %)
Refinery business						
Average crude run	kbpd	64.9	112.2	122.1	8.8	88.1
Utilisation rate*	%	54.0	94.0	102.0	8.0	48.0
Average FX	THB/USD	30.4	33.6	33.2	(1.0)	9.2
Total GRM	USD/bbl	15.5	10.0	13.3	33.3	(14.0)
Market GRM	USD/bbl	3.2	6.8	6.8	0.7	111.1
Oil hedging	USD/bbl	(0.0)	(0.7)	(3.3)	361.1	8,200.0
Inventory gain/(loss)	kbd	12.3	3.9	9.8	149.9	(20.3)
EBITDA	THB m	2,411.0	3,084.0	5,021.0	62.8	108.3
Marketing business						
Retail (service station)	m litre	1,054	1,142	1,122	(1.8)	6.5
Industrial	m litre	186	237	286	20.7	53.8
Total marketing margin	THB/litre	0.75	0.54	0.59	9.3	(21.3)
EBITDA	THB m	970	255	1,118	338.4	15.3
Power plant business						
Solar power business - Thailand	m kWh	81.6	80.1	84.2	5.2	3.2
Solar power business - Japan	m kWh	4.0	8.6	14.9	72.7	270.6
Wind power business - Thailand	m kWh	3.7	3.3	3.2	(2.7)	(12.7)
Hydropower business - Laos	m kWh	68.1	142.2	76.9	(45.9)	12.9
Share of profit (loss) from associated companies	THB m	140	152	142	(6.6)	1.4
EBITDA	THB m	979	1,038	3,075	196.2	214.1
Biodiesel and Ethanol business						
EBITDA	THB m	422	255	343	34.5	(18.7)
Exploration and production business						
Production volume (Draugen Field)	kbd	16.6	16.0	14.9	(7.0)	(10.0)
Production volume (Gjoa Field)	kbd	15.2	18.1	15.4	(14.7)	1.6
Share of profits from OKEA	THB m	38	na	na	<i>nm</i>	<i>nm</i>

*Note: Change in margin % is represented in ppt change

Sources: BCP; FSSIA estimates

Financial Statements

Bangchak Corp

Profit and Loss (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Revenue	136,450	199,417	256,235	240,700	238,596
Cost of goods sold	(125,301)	(167,670)	(226,289)	(209,052)	(209,052)
Gross profit	11,150	31,747	29,946	31,648	29,544
Other operating income	-	-	-	-	-
Operating costs	(7,682)	(13,819)	(8,968)	(10,109)	(7,158)
Operating EBITDA	3,467	17,928	20,978	21,538	22,386
Depreciation	(6,821)	(8,075)	(9,158)	(9,886)	(10,614)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	(3,354)	9,853	11,820	11,652	11,771
Net financing costs	(1,237)	(2,289)	(2,611)	(2,388)	(2,388)
Associates	(592)	1,042	30	0	0
Recurring non-operating income	(59)	2,321	1,373	1,410	1,480
Non-recurring items	(2,708)	4,223	0	0	0
Profit before tax	(7,359)	14,108	10,581	10,674	10,864
Tax	1,589	(4,263)	(3,051)	(3,087)	(3,141)
Profit after tax	(5,770)	9,845	7,530	7,587	7,722
Minority interests	(1,197)	(2,221)	(700)	(700)	(700)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	(6,967)	7,624	6,830	6,887	7,022
Non-recurring items & goodwill (net)	2,708	(4,223)	0	0	0
Recurring net profit	(4,259)	3,401	6,830	6,887	7,022
Per share (THB)					
Recurring EPS *	(3.09)	2.47	4.96	5.00	5.10
Reported EPS	(5.06)	5.54	4.96	5.00	5.10
DPS	0.60	2.00	2.48	2.51	2.55
Diluted shares (used to calculate per share data)	1,377	1,377	1,377	1,377	1,377
Growth					
Revenue (%)	(28.4)	46.1	28.5	(6.1)	(0.9)
Operating EBITDA (%)	(54.7)	417.0	17.0	2.7	3.9
Operating EBIT (%)	nm	nm	20.0	(1.4)	1.0
Recurring EPS (%)	nm	nm	100.8	0.8	2.0
Reported EPS (%)	nm	nm	(10.4)	0.8	2.0
Operating performance					
Gross margin inc. depreciation (%)	3.2	11.9	8.1	9.0	7.9
Gross margin of key business (%)	3.2	11.9	8.1	9.0	7.9
Operating EBITDA margin (%)	2.5	9.0	8.2	8.9	9.4
Operating EBIT margin (%)	(2.5)	4.9	4.6	4.8	4.9
Net margin (%)	(3.1)	1.7	2.7	2.9	2.9
Effective tax rate (%)	37.4	28.9	28.9	28.9	28.9
Dividend payout on recurring profit (%)	(19.4)	81.0	50.0	50.2	50.0
Interest cover (X)	(2.8)	5.3	5.1	5.5	5.5
Inventory days	46.6	37.7	35.1	41.9	40.3
Debtor days	23.4	19.8	29.8	48.4	65.1
Creditor days	37.5	30.4	29.7	35.5	34.1
Operating ROIC (%)	(3.7)	9.7	9.8	8.6	7.9
ROIC (%)	(2.2)	6.8	6.2	5.8	5.6
ROE (%)	(8.7)	6.8	12.3	11.7	11.2
ROA (%)	(1.6)	4.1	4.5	4.3	4.3
* Pre exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Refinery and oil trading	114,820	177,268	233,536	217,420	214,698
Marketing	172,369	182,711	193,674	205,295	217,612
Electricity	4,790	4,790	4,790	4,790	4,790
Bio based product	8,212	8,212	8,212	8,212	8,212

Sources: Bangchak Corp; FSSIA estimates

Financial Statements

Bangchak Corp

Cash Flow (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Recurring net profit	(4,259)	3,401	6,830	6,887	7,022
Depreciation	6,821	8,075	9,158	9,886	10,614
Associates & minorities	533	1,279	1,343	1,410	1,480
Other non-cash items	-	-	-	-	-
Change in working capital	5,115	(2,578)	(10,237)	(10,943)	(10,645)
Cash flow from operations	8,210	10,177	7,094	7,240	8,472
Capex - maintenance	(6,758)	(7,014)	(8,453)	(9,126)	(9,798)
Capex - new investment	-	-	-	-	-
Net acquisitions & disposals	-	-	-	-	-
Other investments (net)	2,640	(14,045)	103	998	1,671
Cash flow from investing	(4,119)	(21,059)	(8,350)	(8,127)	(8,127)
Dividends paid	(1,377)	(1,790)	(3,084)	(3,437)	(3,485)
Equity finance	0	0	0	0	0
Debt finance	14,019	15,167	0	0	0
Other financing cash flows	(2,646)	7,876	(1,031)	(1,292)	(1,392)
Cash flow from financing	9,996	21,253	(4,115)	(4,729)	(4,877)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	14,087	10,371	(5,371)	(5,616)	(4,532)
Free cash flow to firm (FCFF)	6,060.50	(8,342.84)	1,355.26	1,500.72	2,732.86
Free cash flow to equity (FCFE)	15,463.81	12,161.08	(2,286.82)	(2,179.40)	(1,047.27)

Per share (THB)

FCFF per share	4.40	(6.06)	0.98	1.09	1.98
FCFE per share	11.23	8.83	(1.66)	(1.58)	(0.76)
Recurring cash flow per share	2.25	9.26	12.59	13.21	13.88

Balance Sheet (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Tangible fixed assets (gross)	96,466	111,132	119,871	128,610	137,349
Less: Accumulated depreciation	(41,899)	(41,899)	(51,057)	(60,943)	(71,557)
Tangible fixed assets (net)	54,567	69,233	68,814	67,667	65,792
Intangible fixed assets (net)	13,309	15,613	15,613	15,613	15,613
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	15,713	14,196	14,196	14,196	14,196
Cash & equivalents	21,651	32,022	26,650	21,034	16,502
A/C receivable	6,402	15,234	26,582	37,242	47,809
Inventories	16,162	18,497	24,964	23,062	23,062
Other current assets	3,080	3,620	4,651	4,369	4,331
Current assets	47,296	69,372	82,847	85,707	91,704
Other assets	17,438	33,370	33,370	33,370	33,370
Total assets	148,323	201,785	214,841	216,554	220,675
Common equity	46,366	53,467	57,213	60,693	64,231
Minorities etc.	11,950	16,092	16,792	17,492	18,192
Total shareholders' equity	58,316	69,559	74,005	78,186	82,423
Long term debt	54,095	69,787	69,787	69,787	69,787
Other long-term liabilities	10,409	28,334	28,334	28,334	28,334
Long-term liabilities	64,504	98,121	98,121	98,121	98,121
A/C payable	12,277	15,651	21,123	19,514	19,514
Short term debt	7,966	7,441	7,441	7,441	7,441
Other current liabilities	5,259	11,014	14,152	13,294	13,177
Current liabilities	25,502	34,105	42,715	40,248	40,132
Total liabilities and shareholders' equity	148,323	201,785	214,841	216,554	220,675
Net working capital	8,108	10,686	20,922	31,866	42,511
Invested capital	109,135	143,099	152,917	162,713	171,482

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

Per share (THB)

Book value per share	33.67	38.83	41.55	44.08	46.65
Tangible book value per share	24.01	27.49	30.21	32.74	35.31

Financial strength

Net debt/equity (%)	69.3	65.0	68.3	71.9	73.7
Net debt/total assets (%)	27.2	22.4	23.5	25.9	27.5
Current ratio (x)	1.9	2.0	1.9	2.1	2.3
CF interest cover (x)	13.5	6.3	0.1	0.1	0.6

Valuation	2020	2021	2022E	2023E	2024E
Recurring P/E (x) *	(11.1)	13.9	6.9	6.8	6.7
Recurring P/E @ target price (x) *	(12.9)	16.2	8.1	8.0	7.8
Reported P/E (x)	(6.8)	6.2	6.9	6.8	6.7
Dividend yield (%)	1.8	5.8	7.2	7.3	7.4
Price/book (x)	1.0	0.9	0.8	0.8	0.7
Price/tangible book (x)	1.4	1.2	1.1	1.0	1.0
EV/EBITDA (x) **	28.7	6.0	5.5	5.6	5.6
EV/EBITDA @ target price (x) **	31.0	6.5	5.8	6.0	6.0
EV/invested capital (x)	0.9	0.8	0.7	0.7	0.7

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

Sources: Bangchak Corp; 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	SCC	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	TRC	TSC	TSR	TSTE	TSTH
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	MITISB	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	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	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	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, CFA, FRM, ERP FSS International Investment Advisory Securities Co., Ltd

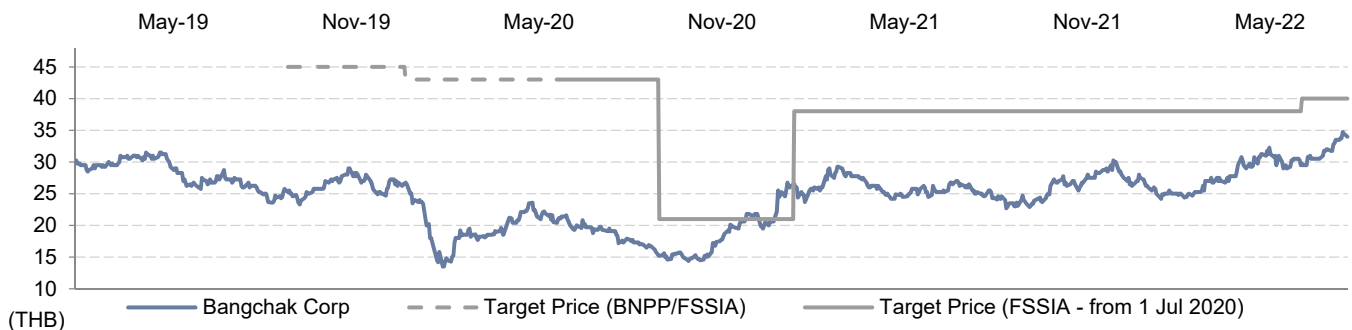
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s)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

Bangchak Corp (BCP TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
08-Nov-2019	BUY	45.00	24-Sep-2020	BUY	21.00	30-Mar-2022	BUY	40.00
20-Feb-2020	BUY	43.00	18-Jan-2021	BUY	38.00			

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 08-Nov-2019

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Bangchak Corp	BCP TB	THB 34.25	BUY	The downside risks to our SoTP-based TP include: 1) lower-than-expected demand for petroleum products; 2) higher crude premiums; and 3) unplanned shutdowns of the company's refinery 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 Finasia 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 Finasia Syrus Securities Public Company Limited, which is the parent company of FSSIA.

All share prices are as at market close on 11-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.