

BANGCHAK CORP

BCP TB

THAILAND / OIL & GAS

BUY

UNCHANGED

Refinery rebound continues in 2022

- 4Q21 net profit (NP) was THB1.8b, down 3.5% q-q but up 6x y-y, mainly due to an after-tax non-recurring gain of THB1.0b.
- Core NP was THB2b, up 182% q-q due to a higher refinery utilisation rate of 94%.
- Maintain BUY and our SoTP target price of THB38.

TARGET PRICE	THB38.00
CLOSE	THB29.50
UP/DOWNSIDE	+28.8%
TP vs CONSENSUS	+14.8%

KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	199,417	211,521	205,260	205,639
Net profit	7,624	3,861	3,835	4,072
EPS (THB)	5.54	2.80	2.79	2.96
vs Consensus (%)	-	(17.4)	(17.2)	-
EBITDA	17,928	19,392	19,825	20,806
Core net profit	3,401	5,789	5,762	5,999
Core EPS (THB)	2.47	4.20	4.18	4.36
Chg. In EPS est. (%)	nm	1.0	3.3	nm
EPS growth (%)	nm	70.2	(0.5)	4.1
Core P/E (x)	11.9	7.0	7.0	6.8
Dividend yield (%)	6.8	4.8	4.8	5.0
EV/EBITDA (x)	5.7	5.6	5.8	5.8
Price/book (x)	0.8	0.7	0.7	0.7
Net debt/Equity (%)	65.0	72.3	77.2	80.3
ROE (%)	6.8	10.7	10.3	10.3

Improving operations underscored strong 4Q21 results

BCP's 4Q21 net profit was THB1.8b, down 3.5% q-q but up 6x y-y, beating the BBG consensus forecast by 14% and our own by 9%, mainly due to an after-tax non-recurring gain of THB1.0b. 4Q21 core NP was THB2b, up 182% q-q due to a higher refinery utilisation rate of 94%, or 112kbpd, in 4Q21, up from 93% in 3Q21. In 4Q21, there were multiple before-tax non-operating items, including: 1) a THB1.3b oil inventory gain; 2) a hedging gain of THB133m; 3) an FX loss of THB75m; and 4) the reversal of an impairment loss of THB1.8b.

Solid GRM and power EBITDA

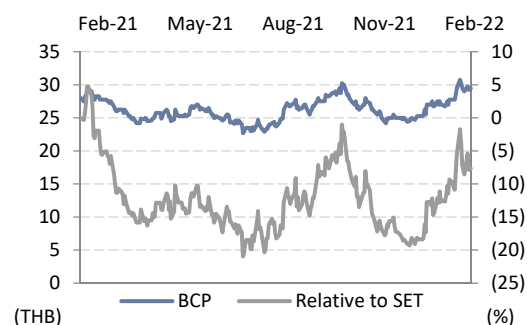
Total EBITDA was THB9.3b in 4Q21, up 23% q-q due to the investment method change for OKEA, which switched from being an associated company to a subsidiary on 1 Jul-21. Accounting GRM was USD10.0/bbl in 4Q21, up 80% q-q due to a higher inventory gain. Market GRM was at USD6.8/bbl (+121% y-y, +82% q-q), driven by q-q higher product margins and rising volumes. Power EBITDA was THB1b in 4Q21, up 20% y-y but down 12% q-q, due to the q-q lower utilisation rates for hydropower plants that was offset by the higher utilisation rates for geothermal power plants and rising earnings from wind farms and solar farms.

Rising volumes offset lower MM impact

Marketing EBITDA was THB255m in 4Q21, down 58% y-y and 55% q-q due to a weaker marketing margin (MM) to THB0.54/litre (-26% q-q) caused by the government's diesel price cap policy. BCP added 27 new oil service stations for a total of 1,277 in 4Q21. The marketing sales volume jumped in 4Q21, driven by a strong retail service station sales volume of 1,142m litres (+3.7% y-y, +27% q-q) and a higher industrial sales volume to 237m litres (+30% y-y, +55% q-q), with a q-q stable market share at 16.2%. Biodiesel gross profit (GP) rose to THB298m in 4Q21 (-38% y-y, +67% q-q) on a higher B100 margin, while the GP from ethanol plunged to a loss of THB67m due to the higher cost of molasses.

The best of both worlds – refinery and oil stations

We maintain BUY and our SoTP target price of THB38. Key catalysts would be a higher market GRM and rising sales volumes in 2022 as the economic reopening continues to drive up sales volumes and MM.



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	7.3	12.4	2.6
Relative to country (%)	4.8	7.9	(8.7)
Mkt cap (USD m)	1,305		
3m avg. daily turnover (USD m)	4.4		
Free float (%)	62		
Major shareholder	Ministry of Finance (25%)		
12m high/low (THB)	30.75/22.60		
Issued shares (m)	1,376.92		

Sources: Bloomberg consensus; FSSIA estimates



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Exhibit 1: Summary of 4Q21/2021 operations

	4Q20	3Q21	4Q21			2020	2021	Chg.
	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	(y-y %)
Revenue	33,134	47,649	66,762	40.1	101.5	136,450	199,417	46.1
Operating costs	(30,384)	(40,118)	(57,481)	43.3	89.2	(132,983)	(181,489)	36.5
EBITDA	2,750	7,531	9,281	23.2	237.5	3,467	17,928	417.0
<i>EBITDA margin (%)</i>	8.3	15.8	13.9	<i>nm</i>	<i>nm</i>	2.5	9.0	<i>nm</i>
Depreciation & amort	(1,942)	(2,400)	(2,285)	(4.8)	17.7	(6,821)	(8,075)	18.4
EBIT	808	5,131	6,996	36.3	765.4	(3,354)	9,853	<i>nm</i>
Interest expense	(484)	(748)	(809)	8.1	67.3	(1,969)	(2,540)	29.0
Interest & invt inc	120	777	185	(76.2)	54.0	0	0	<i>nm</i>
Associates' contrib	(716)	177	159	(10.7)	<i>nm</i>	(59)	2,321	<i>nm</i>
Exceptionals	827	(871)	(2,207)	153.3	<i>nm</i>	(1,976)	4,473	<i>nm</i>
Pretax profit	555	4,466	4,324	(3.2)	678.9	(7,359)	14,108	<i>nm</i>
Tax	46	(1,904)	(1,756)	(7.7)	<i>nm</i>	1,589	(4,263)	<i>nm</i>
<i>Tax rate (%)</i>	(8.2)	42.6	40.6	<i>nm</i>	<i>nm</i>	21.6	30.2	<i>nm</i>
Minority interests	(349)	(742)	(811)	9.3	132.1	(1,197)	(2,221)	85.5
Net profit	251	1,820	1,756	(3.5)	598.3	(6,967)	7,624	<i>nm</i>
Non-recurring	(1,099)	(1,117)	225	<i>nm</i>	<i>nm</i>	2,708	(4,223)	<i>nm</i>
Core profit	(847)	703	1,981	181.7	<i>nm</i>	(4,259)	3,401	<i>nm</i>
EPS (THB)	0.06	1.25	1.20	(4.0)	1,900.0	(5.06)	5.54	<i>nm</i>
Core EPS (THB)	(0.62)	0.51	1.44	181.7	<i>nm</i>	(3.09)	2.47	<i>nm</i>

Sources: BCP; FSSIA estimates

Exhibit 2: 4Q21/2021 key quarterly performance

	Unit	4Q20	3Q21	4Q21	Change		2020	2021	Change
					(q-q %)	(y-y %)			(y-y %)
Refinery business									
Average crude run	kbpd	100.0	111.4	112.2	0.7	12.2	97.2	99.0	1.9
Utilisation rate*	%	83.0	93.0	94.0	1.0	11.0	81.0	83.0	2.0
Average FX	THB/USD	30.8	33.1	33.6	1.4	9.0	31.5	32.2	2.2
Total GRM	USD/bbl	3.3	5.5	10.0	80.0	200.3	(0.7)	9.0	<i>nm</i>
Market GRM	USD/bbl	3.7	3.1	6.8	121.2	81.6	3.2	4.5	41.3
Oil hedging	USD/bbl	(0.4)	(1.2)	(0.7)	(41.9)	84.6	0.0	(0.7)	<i>nm</i>
Inventory gain/(loss)	kbd	(0.0)	3.7	3.9	5.1	<i>nm</i>	(3.9)	5.1	<i>nm</i>
EBITDA	THB m	600.0	1,891.0	3,084.0	63.1	414.0	(2,169.0)	9,363.0	<i>nm</i>
Marketing business									
Retail (service station)	m litre	1,101	900	1,142	26.9	3.7	4,197	4,091	(2.5)
Industrial	m litre	183	153	237	54.9	29.5	943	762	(19.2)
Total marketing margin	THB/litre	0.77	0.73	0.54	(26.0)	(29.9)	0.84	0.72	(14.3)
EBITDA	THB m	602	562	255	(54.6)	(57.6)	2,174	2,614	20.2
Power plant business									
Solar power business - Thailand	m kWh	73.5	75.3	80.1	6.4	9.0	290.5	317.0	9.1
Solar power business - Japan	m kWh	4.2	5.0	8.6	71.9	104.5	17.2	22.2	29.1
Wind power business - Thailand	m kWh	3.4	4.0	3.3	(16.2)	(2.9)	11.7	13.4	14.8
Hydropower business - Laos	m kWh	157.1	210.2	142.2	(32.4)	(9.5)	453.3	522.6	15.3
Share of profit (loss) from associated companies	THB m	(24)	151	152	0.7	<i>nm</i>	270	600	122.2
EBITDA	THB m	868	1,179	1,038	(12.0)	19.6	3,640	4,193	15.2
Biodiesel and Ethanol business									
B100 production volume	m litre	71.7	55.7	57.0	2.3	(20.6)	258.0	238.6	(7.5)
B100 sales volume	m litre	76.8	53.5	58.0	8.5	(24.4)	276.0	239.1	(13.4)
Gross profit from B100	THB m	484	178	298	67.4	(38.4)	1,089	910	(16.4)
Ethanol production volume	m litre	32	45	32	(27.8)	0.7	179	175	(2.4)
Ethanol sales volume	m litre	49.2	44.6	51.7	16.0	5.1	185.3	179.9	(2.9)
Gross profit from Ethanol	THB m	93	31	(67)	<i>nm</i>	<i>nm</i>	634	140	(77.9)
EBITDA	THB m	590	890	255	(71.3)	(56.8)	1,828	1,863	1.9
Exploration and production business									
Production volume (Draugen Field)	kbd	16.2	16.3	16.0	(1.7)	(0.8)	16.2	15.5	(3.8)
Production volume (Gjoa Field)	kbd	18.8	17.0	18.1	6.6	(3.7)	15.9	15.8	(0.2)
Share of profits from OKEA	THB m	275	na	na	<i>nm</i>	<i>nm</i>	(914)	371	<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	211,521	205,260	205,639
Cost of goods sold	(125,301)	(167,670)	(185,149)	(177,019)	(177,019)
Gross profit	11,150	31,747	26,372	28,241	28,621
Other operating income	-	-	-	-	-
Operating costs	(7,682)	(13,819)	(6,980)	(8,416)	(7,814)
Operating EBITDA	3,467	17,928	19,392	19,825	20,806
Depreciation	(6,821)	(8,075)	(9,037)	(9,756)	(10,474)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	(3,354)	9,853	10,354	10,070	10,332
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	(1,927)	(1,927)	(1,927)
Profit before tax	(7,359)	14,108	7,189	7,164	7,497
Tax	1,589	(4,263)	(2,627)	(2,629)	(2,725)
Profit after tax	(5,770)	9,845	4,561	4,535	4,772
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	3,861	3,835	4,072
Non-recurring items & goodwill (net)	2,708	(4,223)	1,927	1,927	1,927
Recurring net profit	(4,259)	3,401	5,789	5,762	5,999
Per share (THB)					
Recurring EPS *	(3.09)	2.47	4.20	4.18	4.36
Reported EPS	(5.06)	5.54	2.80	2.79	2.96
DPS	0.60	2.00	1.40	1.40	1.48
Diluted shares (used to calculate per share data)	1,377	1,377	1,377	1,377	1,377
Growth					
Revenue (%)	(28.4)	46.1	6.1	(3.0)	0.2
Operating EBITDA (%)	(54.7)	417.0	8.2	2.2	4.9
Operating EBIT (%)	nm	nm	5.1	(2.8)	2.6
Recurring EPS (%)	nm	nm	70.2	(0.5)	4.1
Reported EPS (%)	nm	nm	(49.4)	(0.7)	6.2
Operating performance					
Gross margin inc. depreciation (%)	3.2	11.9	8.2	9.0	8.8
Gross margin of key business (%)	3.2	11.9	8.2	9.0	8.8
Operating EBITDA margin (%)	2.5	9.0	9.2	9.7	10.1
Operating EBIT margin (%)	(2.5)	4.9	4.9	4.9	5.0
Net margin (%)	(3.1)	1.7	2.7	2.8	2.9
Effective tax rate (%)	37.4	28.9	28.9	28.9	28.9
Dividend payout on recurring profit (%)	(19.4)	81.0	33.4	33.5	33.9
Interest cover (X)	(2.8)	5.3	4.5	4.8	4.9
Inventory days	46.6	37.7	38.4	41.2	40.3
Debtor days	23.4	19.8	34.4	51.8	67.9
Creditor days	37.5	30.4	32.5	34.9	34.1
Operating ROIC (%)	(3.7)	9.7	8.6	7.6	7.2
ROIC (%)	(2.2)	6.8	5.6	5.1	5.0
ROE (%)	(8.7)	6.8	10.7	10.3	10.3
ROA (%)	(1.6)	4.1	4.1	3.9	4.0

* Pre-exceptional, pre-goodwill and fully diluted

Revenue by Division (THB m)	2020	2021	2022E	2023E	2024E
Refinery and oil trading	114,820	177,268	188,823	181,979	181,742
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	5,789	5,762	5,999
Depreciation	6,821	8,075	9,037	9,756	10,474
Associates & minorities	533	1,279	1,343	1,410	1,480
Other non-cash items	-	-	-	-	-
Change in working capital	5,115	(2,578)	(9,216)	(9,185)	(9,093)
Cash flow from operations	8,210	10,177	6,953	7,743	8,860
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)	(2,342)	(1,932)	(1,984)
Equity finance	0	0	0	0	0
Debt finance	14,019	15,167	0	0	0
Other financing cash flows	(2,646)	7,876	(2,958)	(3,219)	(3,319)
Cash flow from financing	9,996	21,253	(5,301)	(5,151)	(5,303)
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	(6,698)	(5,535)	(4,570)
Free cash flow to firm (FCFF)	6,060.50	(8,342.84)	1,213.70	2,004.35	3,121.44
Free cash flow to equity (FCFE)	15,463.81	12,161.08	(4,355.67)	(3,603.05)	(2,585.97)

Per share (THB)

FCFF per share	4.40	(6.06)	0.88	1.46	2.27
FCFE per share	11.23	8.83	(3.16)	(2.62)	(1.88)
Recurring cash flow per share	2.25	9.26	11.74	12.29	13.04

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)	(50,936)	(60,692)	(71,166)
Tangible fixed assets (net)	54,567	69,233	68,935	67,918	66,182
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	25,323	19,789	15,219
A/C receivable	6,402	15,234	24,601	33,692	42,799
Inventories	16,162	18,497	20,425	19,528	19,528
Other current assets	3,080	3,620	3,840	3,726	3,733
Current assets	47,296	69,372	74,190	76,735	81,279
Other assets	17,438	33,370	33,370	33,370	33,370
Total assets	148,323	201,785	206,304	207,833	210,642
Common equity	46,366	53,467	54,986	56,920	59,007
Minorities etc.	11,950	16,092	16,792	17,492	18,192
Total shareholders' equity	58,316	69,559	71,778	74,412	77,199
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	17,282	16,524	16,524
Short term debt	7,966	7,441	7,441	7,441	7,441
Other current liabilities	5,259	11,014	11,682	11,336	11,357
Current liabilities	25,502	34,105	36,405	35,301	35,322
Total liabilities and shareholders' equity	148,323	201,785	206,304	207,833	210,642
Net working capital	8,108	10,686	19,902	29,086	38,180
Invested capital	109,135	143,099	152,017	160,184	167,542

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

Per share (THB)

Book value per share	33.67	38.83	39.93	41.34	42.85
Tangible book value per share	24.01	27.49	28.59	30.00	31.52

Financial strength

Net debt/equity (%)	69.3	65.0	72.3	77.2	80.3
Net debt/total assets (%)	27.2	22.4	25.2	27.6	29.4
Current ratio (x)	1.9	2.0	2.0	2.2	2.3
CF interest cover (x)	13.5	6.3	(0.7)	(0.5)	(0.1)

Valuation	2020	2021	2022E	2023E	2024E
Recurring P/E (x) *	(9.5)	11.9	7.0	7.0	6.8
Recurring P/E @ target price (x) *	(12.3)	15.4	9.0	9.1	8.7
Reported P/E (x)	(5.8)	5.3	10.5	10.6	10.0
Dividend yield (%)	2.0	6.8	4.8	4.8	5.0
Price/book (x)	0.9	0.8	0.7	0.7	0.7
Price/tangible book (x)	1.2	1.1	1.0	1.0	0.9
EV/EBITDA (x) **	26.8	5.7	5.6	5.8	5.8
EV/EBITDA @ target price (x) **	30.2	6.3	6.2	6.4	6.4
EV/invested capital (x)	0.9	0.7	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	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	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	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	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

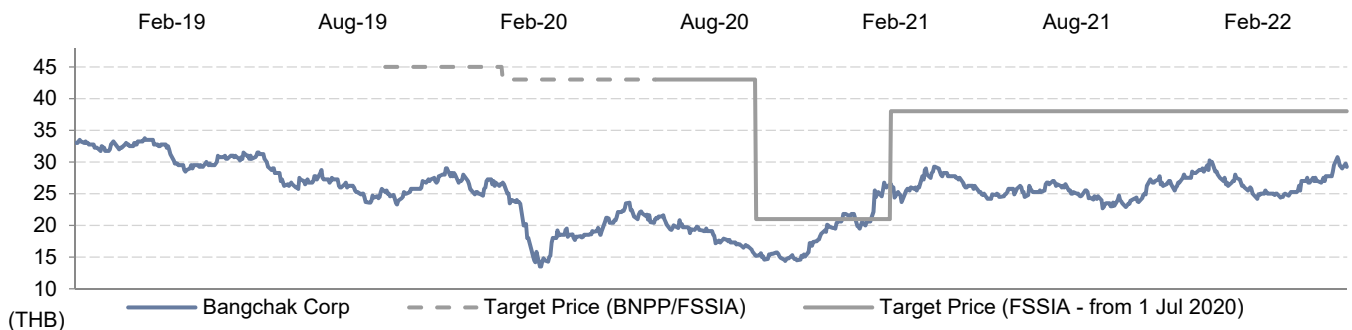
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) 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	-	-	-
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 29.50	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 17-Feb-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.