THAILAND / ENERGY

EQUITY RESEARCH – RESULTS FLASH

BANGCHAK CORP



2Q23 results at first glance

2Q23 results - in line with consensus

Highlights

BCP's 2Q23 net profit was THB458m (-83.3% q-q and -91.3% y-y)

 weak but in line with the BBG consensus. The weak result was
mainly due to softer contributions from the refinery, natural resource,
and marketing businesses. Conversely, other businesses (i.e. power
and bio-based products) were slightly better q-q. This caused 2Q23
EBITDA to drop to THB6,628m (-39.7% q-q and -47.3% y-y). If we
exclude extra items, the 2Q23 net profit from normal operations was
at THB937m (-68.1% q-q and -87.3% y-y). 1H23 net profit accounts
for 42% of our 2023 estimate.

BCP TB

- Refinery business weaker from lower GRM due to soft refined product spreads. 2Q23 operating GRM was at USD4.67/bbl, down USD6.77/bbl q-q from weak refined product spreads, especially diesel and jet. In addition, the 2Q23 production volume was slightly weaker q-q to 118.6 KBD. Therefore, 2Q23 refinery EBITDA was down 66% q-q to THB1,373m.
- Marketing business flat marketing margin q-q while sales volume dropped. The 2Q23 marketing sales volume slightly dropped by 2% q-q to 1,578m litres due to lower demand on the switch from diesel to LNG in the industrial sector, while the retail sales volume was marginally lower due to seasonality. At the same time, the 2Q23 marketing margin remained flat at THB0.93/litre. Hence, 2Q23 marketing business EBITDA dropped by 25% q-q to THB553m.
- Natural resource business softer sales volume and average selling price. The 2Q23 natural resource sales volume was down by 40% q-q, mainly from the overlifting in the quarter. Moreover, the 2Q23 average selling prices for liquid (oil and gas) and natural gas decreased by 10% q-q and 30% q-q, respectively, following the falling global energy prices in the quarter. This resulted in weaker 2Q23 EBITDA of THB3,701m, -32% q-q.
- 2H23 outlook refinery and natural resource business are the key drivers. In 2H23, the refinery business should be the key driver for earnings on an improving GRM and stock gains. The natural resource and power businesses should be additional supports in 2H23. We expect the natural resource business to recover in 2H23, in line with higher global energy prices and gas demand during the winter season. We estimate the power business to improve in 2H23 from a full-quarter revenue recognition from new projects (two gas-fired power plants in the US and hydro in Laos). The marketing business may be slightly weaker h-h due to seasonality.

Maintain BUY on BCP with a TP of THB42.70/share.

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TARGET PRICE	THB42.70
CLOSE	THB39.25
UP/DOWNSIDE	+8.8%
TP vs CONSENSUS	+3.1%

KEY STOCK DATA

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	312,202	315,924	340,858	346,392
Net profit	12,575	7,592	7,567	7,304
EPS (THB)	9.13	5.51	5.50	5.30
vs Consensus (%)	-	(8.1)	(5.9)	(5.9)
EBITDA	45,881	33,788	39,455	37,368
Recurring net profit	18,514	7,592	7,567	7,304
Core EPS (THB)	13.45	5.51	5.50	5.30
EPS growth (%)	93.8	(59.0)	(0.3)	(3.5)
Core P/E (x)	2.9	7.1	7.1	7.4
Dividend yield (%)	5.7	3.5	3.5	3.4
EV/EBITDA (x)	2.4	5.5	5.0	5.6
Price/book (x)	0.9	0.8	0.7	0.7
Net debt/Equity (%)	40.9	120.8	121.5	122.7
ROE (%)	31.9	11.6	10.7	9.6



Share price performance	1 Month	3 Month	12 Month		
Absolute (%)	7.5	26.6	33.1		
Relative to country (%)	4.9	29.4	40.1		
Mkt cap (USD m) 1,6					
3m avg. daily turnover (USD m)					
Free float (%)					
Major shareholder Thailand Social Security Office					
12m high/low (THB) 40.00/28.					
Issued shares (m) 1,376					

Sources: Bloomberg consensus; FSSIA estimates

PREPARED BY FSS INTERNATIONAL INVESTMENT ADVISORY SECURITIES CO LTD (FSSIA). ANALYST CERTIFICATION AND IMPORTANT DISCLOSURES CAN BE FOUND AT THE END OF THIS REPORT

Exhibit 1: BCP – 2Q23 operations summary

	2Q22	1Q23		2Q23		2023E	% 1H23 of 2023E
	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(%)
Revenue	83,796	80,380	68,023	(15.4)	(18.8)	315,924	47
Operating costs	(71,224)	(69,388)	(61,395)	(11.5)	(13.8)	(282,135)	
EBITDA	12,572	10,992	6,628	(39.7)	(47.3)	33,788	52
EBITDA margin (%)	15.0	13.7	9.7	nm	nm	10.7	
Depn & amort.	(2,474)	(2,804)	(2,904)	3.6	17.3	(14,698)	
EBIT	10,098	8,188	3,724	(54.5)	(63.1)	19,090	
Interest expense	(1,043)	(1,032)	(1,000)	(3.1)	(4.1)	(4,124)	
Interest & invt inc	477	627	775	23.6	62.7	0	
Associates' contrib	(6)	29	(40)	(237.6)	538.3	2,134	
Exceptionals	(1,002)	(754)	(1,698)	125.2	69.4	0	
Pretax profit	8,523	7,059	1,762	(75.0)	(79.3)	17,100	52
Тах	(3,033)	(3,689)	(1,406)	(61.9)	(53.6)	(7,611)	
Tax rate (%)	35.6	52.3	79.8	nm	nm	44.5	
Minority interests	(213)	(629)	(251)	(60.1)	17.6	(1,898)	
Net profit	5,276	2,741	458	(83.3)	(91.3)	7,592	42
Non-recurring	2,081	195	479	145.6	(77.0)	0	
Core profit	7,357	2,936	937	(68.1)	(87.3)	7,592	51
EPS (THB)	3.79	1.91	0.24	(87.4)	(93.7)	5.51	
Core EPS (THB)	5.34	2.13	0.68	(68.1)	(87.3)	5.51	

Sources: BCP; FSSIA estimates

Exhibit 2: Accounting EBITDA breakdown by business

Accounting EBITDA	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	Chai	nge
	(THB m)	(q-q %)	(y-y %)					
Refinery and trading business	5,021	6,506	4,131	2,207	4,029	1,373	-65.9%	-78.9%
Marketing business	1,118	1,468	203	120	737	553	-25.0%	-62.3%
Power plant business	3,075	1,112	1,209	1,003	852	989	16.1%	-11.1%
Bio-based product	343	93	35	146	107	138	29.0%	48.4%
Natural resources & new business development	4,251	3,541	6,064	3,769	5,414	3,701	-31.6%	4.5%
Eliminations & others	(94)	(148)	(155)	(294)	(147)	(126)	-14.3%	-14.9%
Total	13,714	12,572	11,487	6,951	10,992	6,628	-39.7%	-47.3%

Source: BCP

Exhibit 3: Quarterly key earnings drivers

BCP assumptions	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	Chg. q-q	Chg. y-y
	(USD/bbl)							
Refinery								
Dubai	96.21	108.22	96.68	84.77	80.23	77.59	(2.64)	(30.63)
Operating GRM	6.84	24.42	11.20	14.68	11.44	4.67	(6.77)	(19.75)
Oil hedging and stock gain/loss	6.65	(6.79)	(0.75)	(8.04)	(1.28)	(0.17)	1.11	6.62
Accounting GRM	13.49	17.63	10.45	6.64	10.16	4.50	(5.66)	(13.13)
UNL95-DB	17.82	35.14	13.07	9.53	18.71	16.54	(2.17)	(18.60)
Jet-DB	16.53	39.62	32.43	33.51	26.03	13.97	(12.06)	(25.65)
GO-DB	19.87	43.60	35.23	39.29	24.81	14.54	(10.27)	(29.06)
Oil retail and marketing								
Marketing margin (Bt/litre)	0.72	1.07	1.13	0.81	0.93	0.93	-	(0.14)
Net marketing margin (Bt/litre)	1.11	0.94	0.62	0.68	0.79	0.76	(0.03)	(0.18)
Number of service station	1,292	1,301	1,320	1,343	1,353	1,361	8.00	60.00
Exploration and production (OKEA)								
Realised gas price (USD/mmbtu)	31.73	14.68	34.70	20.10	20.72	14.47	(6.25)	(0.21)
Realised liquid price	89.60	100.30	106.60	95.20	77.70	70.10	(7.60)	(30.20)
Total sales volume (kboed)	15.4	16.0	17.3	16.3	37.9	22.8	(15.16)	6.82

Source: BCP



Financial Statements

Bangchak Corp

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025
Revenue	199,417	312,202	315,924	340,858	346,392
Cost of goods sold	(175,744)	(265,934)	(284,828)	(308,996)	(316,341
Gross profit	23,673	46,269	31,095	31,862	30,05 [.]
Other operating income	-	-	-	-	
Operating costs	(7,669)	(10,391)	(12,005)	(12,953)	(13,163
Operating EBITDA	24,078	45,881	33,788	39,455	37,36
Depreciation	(8,075)	(10,004)	(14,698)	(20,545)	(20,480
Goodwill amortisation	0	0	0	0	
Operating EBIT	16,003	35,877	19,090	18,909	16,88
Net financing costs	(2,289)	(3,976)	(4,124)	(4,000)	(4,158
Associates	1,042	188	188	188	20
Recurring non-operating income	2,321	2,042	2,134	2,134	2,34
Non-recurring items	(1,927)	(5,939)	0	2,104	2,01
Profit before tax	14,108	28,004	17,100	17,044	15,07
			-		-
Tax	(4,263)	(12,852)	(7,611)	(7,585)	(5,948
Profit after tax	9,845	15,152	9,490	9,459	9,13
Minority interests	(2,221)	(2,577)	(1,898)	(1,892)	(1,826
Preferred dividends	0	0	0	0	(
Other items		-			
Reported net profit	7,624	12,575	7,592	7,567	7,304
Non-recurring items & goodwill (net)	1,927	5,939	0	0	
Recurring net profit	9,551	18,514	7,592	7,567	7,304
Per share (THB)					
Recurring EPS *	6.94	13.45	5.51	5.50	5.3
Reported EPS	5.54	9.13	5.51	5.50	5.3
DPS	2.00	2.25	1.38	1.37	1.3
Diluted shares (used to calculate per share data)	1,377	1,377	1,377	1,377	1,37
Growth					
Revenue (%)	46.1	56.6	1.2	7.9	1.0
Operating EBITDA (%)	500.7	90.6	(26.4)	16.8	(5.3
Operating EBIT (%)	nm	124.2	(46.8)	(0.9)	(10.7
Recurring EPS (%)	nm	93.8	(59.0)	(0.3)	(3.5
Reported EPS (%)	nm	64.9	(39.6)	(0.3)	(3.5
Operating performance			()	(/	(
Gross margin inc. depreciation (%)	11.9	14.8	9.8	9.3	8.1
Gross margin exc. depreciation (%)	15.9	14.0	14.5	15.4	14.0
Operating EBITDA margin (%)	12.1	14.7	10.7	11.6	10.8
Operating EBIT margin (%)	8.0	11.5	6.0	5.5	4.9
Net margin (%)	4.8	5.9	2.4	2.2	2.1
Effective tax rate (%)	28.9	38.1	45.0	45.0	40.0
Dividend payout on recurring profit (%)	28.8	16.7	25.0	25.0	25.
nterest cover (X)	8.0	9.5	5.1	5.3	4.
nventory days	37.7	34.2	41.0	40.8	41.
Debtor days	19.8	21.9	29.7	35.4	42.
Creditor days	30.4	31.8	40.2	40.0	40.
Operating ROIC (%)	15.3	27.5	9.5	6.9	5.
ROIC (%)	10.0	17.5	7.5	5.9	5.
ROE (%)	19.1	31.9	11.6	10.7	9.
ROA (%)	7.6	10.8	4.6	4.1	3.
Pre exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)	2021	2022	2023E	2024E	2025
Refinery and oil trading	65,161	96,328	101,065	100,758	100,60
, ,	117,265	184,897	177,580	188,514	198,86
			,		100,00
Marketing Electricity	4,661	5,395	5,352	6,356	8,67

Sources: Bangchak Corp; FSSIA estimates

Financial Statements Bangchak Corp

Sch Flag (VII) Non-Ending Dec. 2021 2022E 2024E 2024E 2024E Depresation of monit 0.055 10,004 14.686 20,545 20,460 Accolate & invalidies 0.075 10,004 14.686 20,545 20,460 Chen fron operations 0.646 (10,000 (7,127) (12,200) (7,221) 22,200 Cash fron from operations 0.646 (10,000) (7,714) (22,471) (10,000) (17,714) (10,000) (17,200) (17,200) (17,200) (17,200) (17,200) (11,000) <	Bangchak Corp					
Dependan 5.079 10.004 14.688 20.545 20.848 Other non-cash herm - - - - - Cash for from operations 15.03 (f.13.03) (f.71.04) (Z2.07) Z2.071 Cash for from operations 15.03 (f.649) (f.71.04) (G.74.02) (Z2.00) Cash for from operations (f.81.04) (f.81.04) (f.81.04) (f.81.04) (f.81.04) Operations disposal - - - - - - Nat operations disposal (f.81.04) (f.71.04) (f.81.04	Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Acadabte A minorities 1.279 1.844 1.944 1.944 1.944 1.944 Chang in working capital (6.689 (15.800) (7.132) (7.888) (7.132) Captor in morking capital (6.549) (8.494) (7.144) 22.013 Captor in morking capitalities (5.541) (8.070) (17.284) (17.884) Captor in morking capitalities (5.541) (8.077) (10.057) (7.208) Macapitalities & disposits (1.884) (5.181) (17.893) (18.64) (7.144) (22.700) Dividending pad (1.984) (3.088) (2.285) (1.986)	Recurring net profit	9,551	18,514	7,592	7,567	7,304
Other norsah herm	Depreciation	8,075	10,004	14,698	20,545	20,480
Change inverting capital (3.868) (13.003) (7.122) (7.821) Capita - inverting capital (5.548) (6.670) (12.769) (7.732) Capita - inverting (12.769) (7.732) (7.734) (7.735) Capita - inverting (12.769) (7.735) (7.737) (7.537) Capita - inverting (12.769) (7.737) (7.537) (7.537) Capita - inverting (12.769) (7.737) (7.537) (7.537) Capital inverting (12.769) (7.537) (7.5		1,279	1,854	1,946	1,946	2,141
Cach I for from operations 15.039 16.649 17.104 22.271 22.715 Cappe - new investment -		- (3.866)	- (13.003)	- (7 132)	- (7.088)	- (7 821)
Capes - new Investment (12.789) (12.789) (12.789) (12.789) (12.789) Net acquisitions & disposals -<	o o i					
Net acquisitions & disponsib -	-	-				
Obse Investments (net) (13.848) (7.877) (10.057) (7.587) Dividends pluid (1.828) (3.089) (2.238) (1.855) (1.855) Equily finance 0 0 0 0 0 0 Dest financing cash flows 1.266 3.123 (1.802) (2.613) (3.101) Chen financing cash flows 1.266 3.123 (3.022) (2.643) (3.101) Chen financing cash flows 0	Capex - new investment	-	-	-	-	-
Cash flow from investing (29,42) (28,89) (87,46) (27,20) (1,869) Equity finance 0 0 0 0 0 0 Equity finance 12,853 722 32,88 5,000 (1,000) Other financing cash flows 1,268 3,125 (1,322) (2,813) (3,155) Doer adjustments 0 0 0 0 0 0 Novement in Cash flows - - - - - - Other adjustments 0		-		-	-	-
Dividendig paid (19.28) (2.08) (2.26) (18.89) Divid finance 17.263 772 39.268 5.000 Other financing cash flows 1.266 3.125 (1.322) (2.813) (3.115) Cash flow from financing 1.6601 779 35.460 422 5.225 Cher adjustments 0 0 0 0 0 0 Vin tother adjustments 0 0 0 0 0 0 Free cash flow to equity (FCF) (2.834.34) 17.457.11 (3.3675.59) (2.94.403) (1.781.50) Free cash flow to equity (FCF) (2.834.34) 17.457.11 (2.3675.59) (2.94.403) (1.97.33) Recamp (Anne per share 0.20 2.0025						
Equity finance 0	-					
Other financing cash flows 1,266 3,125 (1,302) (2,813) (3,155) Non-securing cash flows - - - - - 0 Oher adjustments 0 0 0 0 0 0 Non-tecuring cash flows firm (FCFF) (2,834,94) (7,553,33) (67,517,25) (1,371,28) (238,478,94) Free cash flow to socilly (FCFF) (2,834,94) (7,47,71) (2,38,775,89) (2,940,93) (1,051,28) Free cash flow to socilly (FCFF) (2,834,94) (7,47,71) (2,83,775,89) (2,940,93) (1,031,28) Free cash flow to socilly (FCFF) (2,834,94) (2,72) (2,020) (2,020) (2,021,27) (2,022,27) (2,022,27) (2,022,27) (2,022,27) (2,022,27) (2,021,27	•					
Cash flow from financing 16,691 7.99 55,640 4.20 5.226 Other adjustments 0 0 0 0 0 0 Other adjustments 0 0 0 0 0 0 Recash flow fun (FCF) 13,105.81 17.437.11 (33,075.89) (2,984.03) 1.788.50 Precash flow fun (FCF) 13,105.81 17.437.11 (33,075.89) (2,984.03) 1.788.50 Precash flow fun (FCF) 13,73 22,08 (2,44.04) (2,17.7) 1.305 PCF per share 9.52 12,75 (9,030) (11,037) 1.305 Exerccaund fue degrees taren 9.52 17.665 247.965 217.965 217.965 217.975 167.275 Exercacund fue degrees taren 1.533 73.018 148.20 157.77 167.295 Exercacund fue degrees taren 1.633 73.018 148.32 117.38 117.38 117.38 117.38 117.38 117.38 117.38 117.38 117.38 117.38	Debt finance	17,263	732	39,268	5,000	10,000
Non-recurring cash flows - <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td>	•					
Other adjustments 0 0 0 0 0 0 Movement in cash 11,178 11,339 (65,002) (1,377) (770) Free cash live to equity (FCFE) 13,105,81 17,437,11 (33,675,89) (2,884,40) 17,885,80 Per share (THB) C (2,09) 12,275 (44,00) (1,00) (0,68) FCFE per share 9,52 12,88 (2,244,60) (2,17) 1,30 Recuring cash for per share 9,52 12,785 247,895 277,985 Balance Sheet (THB m) Year Ending Dec 2021 2022 2024E 2074E Loss Accurninal cash dopreciation (48,70) (54,497) (17,88) 11,778 11,778 Intragible ford assets (pros) 11,534 127,965 237,968 237,968 237,968 247,965 237,968 Long-term financial assets 14,969 36,223 36,323 36,332 36,332 36,332 36,332 36,332 36,332 36,332 36,332 36,332 36,332 <t< td=""><td>-</td><td>16,601</td><td>759</td><td>35,640</td><td>492</td><td>5,026</td></t<>	-	16,601	759	35,640	492	5,026
Net offer adjustments 0	-	-	-	-	-	-
Movement n cash 11,178 11,339 (06,002) (1,479) (70) Free cash low to equity (FCFE) 13,105.81 17,437.11 (33,675.89) (2,984.03) 1,788.50 Per share 0.000 12,75 (49.000) (1,00) (0.08) FCFE per share 9.52 12,66 (2,446.0) (1,00) (0.08) Recurring cash flow per share 9.52 12,66 (7,70) 21,83 21,73 Blance Sheet (THB m) Var Ending Doc 2022 2022 2024 2024E 20278 Loss: Accurninated depreciation (46,70) (54,947) (63,646) (69,190) (110,670) Tangible fixed assets (not) 52,23 7,318 14,49,20 157,75 11,738 Long dem financial assets 14,167 52,832 3,62 3,632 3,632 Long dem financial assets 14,168 3,632 3,632 3,632 3,632 Contractions 24,124 24,904 12,553 3,642 3,645 Contractions 2,411,40<						
Free cash flow to equity (FCFE) 13,105.81 17,437.11 (33,675.89) (2.884.03) 1,788.50 Per share Recurring cash flow per share (9.02) 12,75 (44.03) (1.00) (0.88) Balance Sheet (THE m) Year Ending Doc 2021 2022 2021E 2022E 2021E 2022E 202E 202E 202E <td>-</td> <td>11,178</td> <td>14,339</td> <td>(36,002)</td> <td>(4,879)</td> <td>(70)</td>	-	11,178	14,339	(36,002)	(4,879)	(70)
Per share (THB) Common State Common Sta	Free cash flow to firm (FCFF)	(2,883.49)	17,556.39	(67,517.25)	(1,371.26)	(938.44)
FCFF per share (2.09) 12.75 (49.03) (1.00) (0.69) FCFE per share 3.73 22.06 17.60 21.83 21.73 Balance Sheet (THe m Year Ending Doc 2021 2022 2022E 20.965 247.965 227.965 Less: Accumulated depreciation (46.701) (54.947) (65.645) (90.190) (110.677) Tangible fixed assets (ret) 65.23 73.018 144.320 157.75 167.295 Inangible fixed assets (ret) 15.234 27.199 29.247 36.62 3.632 Cash & equivalents 32.829 47.169 11.167 66.28 6.217 AC: receivable 15.234 22.199 29.247 36.62 44.580 Invest in associates & stabilizations 3.817 11.167 36.82 64.260 Other current assets 28.33 31.171 33.825 34.140 Other current assets 28.372 111.349 84.183 90.017 98.670 Other assets 33.373 42.606	Free cash flow to equity (FCFE)	13,105.81	17,437.11	(33,675.89)	(2,984.03)	1,788.50
FOFE per share Recurring cash flow per share 9.52 13.73 12.66 2002 (24.46) 2021 (2.17) 1.30 21.73 Balance Sheet (THB m) Year Ending Dec 2021 2022 2022E 2024E 2025E Tangible fixed assets (gross) 115.934 127.965 217.985 247.965 277.965 Less: Accumulated depreciation (46.701) (54.947) (48.420) 157.775 167.285 Intragible fixed assets (not) 58.23 73.018 144.320 157.775 167.285 Intragible fixed assets (not) 15.823 27.169 11.738 11.738 11.738 11.738 Congent financial assets -	Per share (THB)					
Recurring cash flow per share 13.73 22.06 17.60 21.83 21.73 Balance Sheet (THB m) Voar Ending Dec 2021 2022 2023E 2024E 2025E Tangible fixed assets (gross) 115,934 127,965 217,965 217,965 217,965 217,965 217,965 101,06270 101,06270 101,06270 101,06270 101,06270 101,06270 101,06270 101,06270 107,775 117,738	FCFF per share	(2.09)	12.75	(49.03)	(1.00)	(0.68)
Balance Sheet (THB m) Year Ending Dec 2021 2022 2023E 2024E 2025E Tangible fixed assets (gross) 115,934 127,965 217,965 247,965 277,965 Lass: Accumulated depreciation (46,701) (56,947) (96,945) (97,776 167,225 Intangible fixed assets (net) 15,613 11,738 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Targible fixed assets (gross) 115,934 127,965 247,965 247,965 277,965 Lass: Accumulated depreciation (66,701) (54,947) (608,452) (60,190) (110,670) Inargible fixed assets (net) 15,613 11,738 11,738 11,738 11,738 Long-tem financial assets - - - - - - Invest. in associates & subsidiaries 14,196 3,832 3,632 <t< td=""><td>Recurring cash flow per share</td><td>13.73</td><td>22.06</td><td>17.60</td><td>21.83</td><td>21.73</td></t<>	Recurring cash flow per share	13.73	22.06	17.60	21.83	21.73
Less: Accumulated depreciation (46, 701) (54, 947) (68, 642) (90, 190) (110, 670) Intangible fixed assets (net) 69, 233 73,018 148,320 17,75 167,236 Intangible fixed assets (net) 15,613 11,738 11,738 11,738 11,738 Long-term financial assets -	Balance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Tangble fixed assets (net) 69,233 73,018 143,230 167,775 167,295 Long-term financial assets 11,738 11,738 11,738 11,738 11,738 Long-term financial assets 3.632 3.632 3.632 3.632 3.632 Cash & equivalents 3.2829 47,169 11,167 6.288 6.217 AC recevable 15,234 22,199 22,247 36,682 44,680 Other cavenable 15,234 22,199 22,247 35,682 44,580 Other cavenable 16,297 12,449 12,597 13,591 13,312 Current assets 2,812 12,449 12,597 35,410 35,402 Common equity 53,467 62,704 67,970 73,642 79,087 Contral assets 20,1785 242,344 240,607 100,607 100,607 Contral stancholders' equity 69,787 70,507 100,507 100,607 100,607 Contral stancholders' equity 69,787 70,557	Tangible fixed assets (gross)	115,934	127,965	217,965	247,965	277,965
Intargible fixed assets 11,738 11,738 11,738 11,738 Long-term financial assets - <td< td=""><td>Less: Accumulated depreciation</td><td>(46,701)</td><td>(54,947)</td><td>(69,645)</td><td>(90,190)</td><td>(110,670)</td></td<>	Less: Accumulated depreciation	(46,701)	(54,947)	(69,645)	(90,190)	(110,670)
Long-term financial assets	-	-		-	-	-
Investit associates & subsidiaries 14,166 3,632 3,632 3,632 3,632 Cash & equivalents 32,829 47,169 11,167 6,288 6,217 AC receivable 15,234 22,199 29,247 36,852 34,140 Other current assets 2,812 12,449 12,597 31,591 13,812 Current assets 69,372 111,349 84,183 90,017 98,750 Other assets 201,785 242,344 290,460 305,768 224,022 Common equity 53,467 62,774 67,797 73,642 79,097 Minorities etc. 16,092 20,674 22,572 24,444 26,290 Cong term diabilities 28,334 40,607 40,607 100,507 100,507 Other long-term liabilities 28,321 111,114 141,114 151,114 161,114 AC payabe 15,651 28,948 30,554 32,626 33,444 Short term debt 10,720 10,732 20,000		15,613	11,738	11,738	11,738	11,738
Cash & equivalents 22.829 47.169 11.17 6.288 6.217 A/C receivable 15.234 22.199 29.247 36.852 44.830 Inventories 18.437 29.533 31.171 33.285 34.140 Other current assets 2.812 12.449 12.577 13.691 13.812 Current assets 33.370 42.606 42.606 42.606 32.606 32.606 32.606 32.606 32.606 32.606 32.606 32.602 70.007 73.642 79.087 Minorities atc. 16.092 20.674 22.572 24.644 25.057 Other long-term liabilities 28.334 40.607		- 14,196	- 3.632	3.632	3.632	3.632
Inventories 18,497 29,533 31,171 33,285 34,140 Other current assets 2,812 12,449 12,597 13,591 13,812 Other assets 33,370 42,606 42,606 42,606 42,606 Other assets 201,765 242,344 290,480 305,766 324,022 Common equity 53,467 62,704 67,970 73,642 79,087 Minotities etc. 16,092 20,674 22,572 24,444 226,200 Common equity 69,587 70,507 100,507 110,507 120,597 Long term liabilities 28,334 40,607 40,607 40,607 Long term liabilities 98,121 111,114 141,114 151,114 AC payable 56,51 28,948 30,554 32,626 33,464 Short term debt 10,720 10,732 20,000 15,000 15,000 Other current liabilities and shareholders' equity 201,785 242,344 290,480 305,768 37,						
Other current assets 2.812 12,449 12,597 13,591 13,812 Current assets 63,370 141,349 84,183 90,017 98,750 Other assets 23,370 42,606 42,606 42,606 70,606 70,606 70,606 70,607 73,642 79,087 Minorities etc. 16,092 20,674 62,707 10,657 110,507 120,507 Total shareholders' equity 69,559 83,378 90,542 98,106 105,377 Long-term liabilities 28,334 40,607 10,0507 110,057 120,507 Other current liabilities 28,342 111,114 141,114 161,114 AC payable 15,651 28,948 30,554 32,626 33,464 Short term debt 10,720 10,732 8,200 15,000 15,000 15,000 15,000 15,000 15,000 15,000 15,000 15,000 15,000 15,000 15,000 16,002 24,181 57,631 12,627 8,24,022	A/C receivable	15,234	22,199	29,247	36,852	44,580
Current assets 69,372 111,349 84,183 90,017 98,760 Other assets 33,370 42,606 42,606 42,606 42,606 Other assets 201,765 242,324 290,400 36,768 3224,022 Common equity 63,3477 62,704 62,770 73,642 79,087 Inter debt 69,787 70,507 100,607 40,60 45,604 42,606	Inventories		29,533	31,171		34,140
Other assets 33.370 42.606 42.606 42.606 42.606 42.606 Total assets 201,755 242,344 290,480 305,768 324,022 Common equity 53.467 62,774 67.970 73,622 79.087 Minorities etc. 160.092 20.674 22,572 24.464 26.297 Total shareholders' equity 69,559 83,378 90,542 98,106 105,377 Long term labilities 28,334 40,607 10.0507 110,507 120,607 Other ong-term labilities 28,121 111,114 141,114 161,114 A/C payable 15,651 28,948 30,554 32,626 33,464 Short term debt 10,720 10,732 82,000 15,000 15,000 Other current labilities 7,734 8,172 8,20 90,607 305,768 324,022 Other current labilities 7,744 8,172 8,20 305,768 324,022 Nother current labilities 34,105 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Total assets 201,785 242,344 290,480 305,768 324,022 Common equity 53,467 62,704 67,970 73,642 79,087 Minorities etc. 16,092 20,674 22,272 24,464 28,290 Total shareholders' equity 69,767 70,507 100,507 110,507 120,507 Cherr inshillities 28,314 40,607 40,607 40,607 40,607 Long term debt 10,720 10,732 20,000 15,000 15,000 Cher enverterm liabilities and shareholders' equity 201,785 242,344 290,480 305,768 324,022 Short term debt 10,720 10,732 20,000 15,000 15,000 Current liabilities and shareholders' equity 201,785 242,344 290,480 305,768 324,022 Net working capital 13,158 27,060 34,192 42,181 50,002 Invested capital 145,571 158,055 240,489 253,48 53,48 57,44 Tanglabe b					-	-
Common equity 53,467 62,704 67,970 73,642 79,087 Minorities etc. 16,092 20,674 22,572 24,464 26,290 Cong term debt 69,787 70,507 100,507 110,507 120,507 Other long-term liabilities 28,334 40,607 40,607 40,607 40,607 Long-term liabilities 98,122 111,114 141,114 161,114 161,114 A/C payable 15,651 28,948 30,554 38,626 33,464 Short term debt 10,720 10,732 20,000 15,000 15,000 Other current liabilities and shareholders' equity 201,785 242,344 290,480 305,768 324,022 Net working capital 13,158 27,060 34,192 42,181 50,002 Invested capital 145,571 158,055 240,489 257,392 275,274 *Inclutes convertibles and preferred stock which is being treate as debt * * * * * * * *						
Total shareholders' equity 69,559 83,378 90,642 98,106 105,377 Long term debt 69,787 70,507 100,507 110,507 120,507 Long term liabilities 28,343 40,607 42,618 53,618 57,531 54,602 24,449 56,548 57,531 Total liabilities and shareholders' equity 13,158 27,060 34,192 42,161 50,002 27,527 4* 160,002 42,619 42,619		-		,		-
Long term debt 69,787 70,507 100,507 110,507 120,507 Other long-term liabilities 28,334 40,607 40,60 45,000 46,90 46,90 40,409 42,902 40,609 42,902 40,603 57,44 40,409 44,905 48,91 40,819 40,819 40,819 40,819 40,819 40,819 40,819 40,819 40,819 <td>Minorities etc.</td> <td>16,092</td> <td>20,674</td> <td>22,572</td> <td>24,464</td> <td>26,290</td>	Minorities etc.	16,092	20,674	22,572	24,464	26,290
Other 10ng-term liabilities 28,334 40,607 40,607 40,607 Long-term liabilities 98,121 111,114 111,114 151,114 161,114 A/C payable 15,651 28,948 30,554 32,626 33,464 Short term debt 10,720 10,732 20,000 15,000 15,000 Other current liabilities 7,734 8,172 8,227 8,922 9,067 Current liabilities and shareholders' equity 20,1785 242,344 290,460 305,768 324,022 Net working capital 13,158 27,060 34,192 42,181 50,002 Invested capital 13,158 27,060 34,192 42,181 50,002 Invested capital 145,571 158,055 240,489 257,932 275,274 * Includes convertibles and preferred stock which is being treated as debt 49,365 53,48 57,44 Tangible book value per share 27,49 37,01 40,84 44,96 48,91 Finacial strength 20 <						
Long-tern J88,121 J11,114 J41,114 J51,114 J61,114 A'C payable 15,651 28,948 30,554 32,626 33,464 Short tern debt 10,720 10,732 20,000 15,000 <						
A/C payable 15,651 28,948 30,554 32,626 33,464 Shot term debt 10,720 10,732 20,000 15,000 15,000 Other current liabilities 7,734 8,172 8,270 8,922 9,067 Current liabilities 34,105 47,852 58,623 56,548 57,531 Total liabilities and shareholders' equity 201,785 242,344 290,480 305,768 324,022 Net working capital 13,158 27,060 34,192 42,181 50,002 Invested capital 145,571 158,055 240,489 257,932 275,274 * Includes convertibles and preferred stock which is being treated as debt 74 44,936 44,96 48,919 Financial strength 74,9 37,01 40,84 44,96 48,919 Financial strength 2.0 2.3 1.4 1.6 1.7 Net debt/total assets (%) 23.6 14.1 37.6 39.0 39.9 Current ratio (x) 2.0 2.3 1.4 1.6 1.7 CF interest cover (x) 5.7 <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>	-					
Short term debt 10,720 10,732 20,000 15,000 Other current liabilities 7,734 8,172 8,270 8,922 9,067 Current liabilities and shareholders' equity 201,785 242,344 290,480 305,768 324,022 Net working capital 13,158 27,060 34,192 42,181 50,002 Invested capital 145,571 158,055 240,489 257,932 275,274 * Includes convertibles and preferred stock which is being treated as debt 53,48 57,44 Per share (THB) 53,48 57,44 Book value per share 32,69 37,4 44,96 48.91 Financial strength 20,21 20,28 20,21 20,21 20,23 14,4 16,6 1,7 Vet debt/total assets (%) 2,0 2,3 1,4 1,6 1,7 CF interest cover (x) 6,7 5,4 (7,2) 0,3 1,4 Valuation 2021 2022 2023E 20	-					
Current liabilities 34,105 47,852 58,823 56,548 57,531 Total liabilities and shareholders' equity 201,785 242,344 290,480 305,768 324,022 Net working capital 13,158 27,060 34,192 42,181 50,002 Invested capital 145,571 158,055 240,489 257,932 275,274 * Includes convertibles and preferred stock which is being treated as dett 7 7 7 7 Book value per share 38.83 45.54 49.36 53.48 57.44 Tangible book value per share 27.49 37.01 40.84 44.96 48.91 Financial strength 7 40.84 44.96 48.91 Fina deb/tequity (%) 68.5 40.9 120.8 121.5 122.7 Net deb/total assets (%) 23.6 14.1 37.6 39.0 39.9 Current ratio (x) 2.0 2.3 1.4 1.6 1.7 CF interest cover (x) 6.7 5.7 2.9 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Total liabilities and shareholders' equity 201,785 242,344 290,480 305,768 324,022 Net working capital 13,158 27,060 34,192 42,181 50,002 Invested capital 145,571 158,055 240,489 257,932 275,274 * Includes convertibles and preferred stock which is being treated as debt * * * * * * * * * * 42,181 50,002 275,274 * Includes convertibles and preferred stock which is being treated as debt *	Other current liabilities	7,734	8,172	8,270	8,922	9,067
Net working capital Invested capital 13,158 145,571 27,060 158,055 34,192 240,489 42,181 257,932 50,002 275,274 * Includes convertibles and preferred stock which is being treated as debt 145,571 158,055 240,489 257,932 275,274 * Includes convertibles and preferred stock which is being treated as debt * * * * Per share (THB) * * * * * * 53,48 57,44 Tangible book value per share 38,83 45.54 49,36 53,48 57,44 Tangible book value per share 27,49 37,01 40,84 44.96 48.91 Financial strength * * * 120.8 121.5 122.7 Net debt/total assets (%) 23.6 14.1 37.6 39.0 39.99 Current ratio (x) 2.0 2.3 1.44 1.6 1.7 CF interest cover (x) 6.7 5.4 (7.2) 0.3 1.4 Valuation 6.2 3.2 7.7 7.8 8.0				58,823		
Invested capital 145,571 158,055 240,489 257,932 275,274 * Includes convertibles and preferred stock which is being treated as debt * 158,055 240,489 257,932 275,274 * Includes convertibles and preferred stock which is being treated as debt 158,055 240,489 257,932 275,274 Per share (THB) 53,48 57,44 49,36 53,48 57,44 Tangible book value per share 27,49 37,01 40.84 44.96 48,91 Financial strength 57,49 37,01 40.84 44.96 48,91 Financial strength 21,4 37,61 39,0 39,9 Current ratio (x) 23,6 14,1 37,6 39,0 39,9 Current ratio (x) 6,7 2,4 (7,2) 0,3 1,4 Valuation 2021 2022 203E 2024E 2025E Recurring P/E (x) * 5,7 3,5 3,5 <				-		
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Book value per share 38.83 45.54 49.36 53.48 57.44 Tangible book value per share 27.49 37.01 40.84 44.96 48.91 Financial strength 53.48 53.48 45.91 40.84 44.96 48.91 Financial strength 68.5 40.9 120.8 121.5 122.7 Net debt/total assets (%) 23.6 14.1 37.6 39.0 39.9 Current ratio (x) 2.0 2.3 1.4 1.6 1.7 CF interest cover (x) 6.7 5.4 (7.2) 0.3 1.4 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 5.7 2.9 7.1 7.1 7.4 Reported P/E (x) 7.1 4.3 7.1 7.1 7.4 Dividend yield (%) 5.1 5.7 3.5 3.5 3.4 Price/book (x) 1.0 0.9 0.8 0.7 0.7						
Tangible book value per share27.4937.0140.8444.9648.91Financial strengthNet debt/equity (%)68.540.9120.8121.5122.7Net debt/total assets (%)23.614.137.639.039.9Current ratio (x)2.02.31.41.61.7CF interest cover (x)6.75.4(7.2)0.31.4Valuation202120222023E2024E2025ERecurring P/E (x) *5.72.97.17.17.4Reported P/E (x)7.14.37.17.17.4Dividend yield (%)5.15.73.53.53.4Price/book (x)1.00.90.80.70.7Price/book (x)1.41.11.00.90.8EV/EBITDA (x) **4.92.45.55.05.6EV/EBITDA @ target price (x) **5.12.55.65.15.7EV/invested capital (x)0.80.70.80.80.8		38 83	45 54	49 36	53.48	57 44
Financial strength Net debt/equity (%) 68.5 40.9 120.8 121.5 122.7 Net debt/total assets (%) 23.6 14.1 37.6 39.0 39.9 Current ratio (x) 2.0 2.3 1.4 1.6 1.7 CF interest cover (x) 6.7 5.4 (7.2) 0.3 1.4 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 5.7 2.9 7.1 7.1 7.4 Reported P/E (x) 7.1 6.2 3.2 7.7 7.8 8.0 Dividend yield (%) 5.1 5.7 3.5 3.5 3.4 Price/book (x) 1.0 0.9 0.8 0.7 0.7 Price/book (x) 1.4 1.1 1.0 0.9 0.8 0.7 EV/EBITDA (x) ** 4.9 2.4 5.5 5.0 5.6 5.1 5.7 EV/EBITDA (x) ** 5.1 2.5 5.6 5.	•					
Net debt/equity (%) 68.5 40.9 120.8 121.5 122.7 Net debt/total assets (%) 23.6 14.1 37.6 39.0 39.9 Current ratio (x) 2.0 2.3 1.4 1.6 1.7 CF interest cover (x) 6.7 5.4 (7.2) 0.3 1.4 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 5.7 2.9 7.1 7.1 7.4 Reported P/E (x) 7.1 4.3 7.1 7.4 8.0 Dividend yield (%) 5.1 5.7 3.5 3.5 3.4 Price/book (x) 1.0 0.9 0.8 0.7 0.7 Price/book (x) 1.4 1.1 1.0 0.9 0.8 EV/EBITDA (x) ** 4.9 2.4 5.5 5.0 5.6 EV/EBITDA (x) ** 5.1 2.5 5.6 5.1 5.7 EV/INVested capital (x) 0.8 0.7 0.8						
Current ratio (x) CF interest cover (x) 2.0 2.3 1.4 1.6 1.7 CF interest cover (x) 6.7 5.4 (7.2) 0.3 1.4 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 5.7 2.9 7.1 7.1 7.4 Reported P/E (x) 7.1 6.2 3.2 7.7 7.8 8.0 Reported P/E (x) 7.1 4.3 7.1 7.1 7.4 Dividend yield (%) 5.7 3.5 3.5 3.4 Price/book (x) 1.0 0.9 0.8 0.7 0.7 Price/book (x) 1.4 1.1 1.0 0.9 0.8 0.7 0.7 EV/EBITDA (x) ** 4.9 2.4 5.5 5.0 5.6 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7	Net debt/equity (%)	68.5	40.9	120.8	121.5	122.7
CF interest cover (x) 6.7 5.4 (7.2) 0.3 1.4 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 5.7 2.9 7.1 7.1 7.4 Recurring P/E (x) * 6.2 3.2 7.7 7.8 8.0 Reported P/E (x) 7.1 4.3 7.1 7.1 7.4 Dividend yield (%) 5.1 5.7 3.5 3.5 3.4 Price/book (x) 1.0 0.9 0.8 0.7 0.7 Price/book (x) 1.4 1.1 1.0 0.9 0.8 2.5 5.0 5.6 EV/EBITDA (x) ** 4.9 2.4 5.5 5.0 5.6 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.6 5.1 5.7 5.7 5.7 5.6 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td></th<>						
Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 5.7 2.9 7.1 7.1 7.4 Reported P/E (x) 6.2 3.2 7.7 7.8 8.0 Reported P/E (x) 7.1 4.3 7.1 7.1 7.4 Dividend yield (%) 5.1 5.7 3.5 3.5 3.4 Price/book (x) 1.0 0.9 0.8 0.7 0.7 Price/book (x) 1.4 1.1 1.0 0.9 0.8 EV/EBITDA (x) ** 4.9 2.4 5.5 5.0 5.6 EV/EBITDA @ target price (x) ** 5.1 2.5 5.6 5.1 5.7 EV/Invested capital (x) 0.8 0.7 0.8 0.8 0.8						
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Recurring P/E @ target price (x) * 6.2 3.2 7.7 7.8 8.0 Reported P/E (x) 7.1 4.3 7.1 7.1 7.4 Dividend yield (%) 5.1 5.7 3.5 3.5 3.4 Price/book (x) 1.0 0.9 0.8 0.7 0.7 Price/book (x) 1.4 1.1 1.0 0.9 0.8 EV/EBITDA (x) ** 4.9 2.4 5.5 5.0 5.6 EV/EBITDA @ target price (x) ** 5.1 2.5 5.6 5.1 5.7 EV/invested capital (x) 0.8 0.7 0.8 0.8 0.8 0.7						
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Dividend yield (%)5.15.73.53.53.4Price/book (x)1.00.90.80.70.7Price/tangible book (x)1.41.11.00.90.8EV/EBITDA (x) **4.92.45.55.05.6EV/EBITDA @ target price (x) **5.12.55.65.15.7EV/invested capital (x)0.80.70.80.80.8						
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Price/tangible book (x) 1.4 1.1 1.0 0.9 0.8 EV/EBITDA (x) ** 4.9 2.4 5.5 5.0 5.6 EV/EBITDA @ target price (x) ** 5.1 2.5 5.6 5.1 5.7 EV/invested capital (x) 0.8 0.7 0.8 0.8 0.8						
EV/EBITDA @ target price (x) ** 5.1 2.5 5.6 5.1 5.7 EV/invested capital (x) 0.8 0.7 0.8 0.8 0.8						
EV/invested capital (x) 0.8 0.7 0.8 0.8 0.8						
	EV/Invested capital (x)	0.8	0.7	0.8	0.8	0.8

Sources: Bangchak Corp; FSSIA estimates



Public disclosures related to sustainable development evaluation of Thai listed companies

Rating regarding the sustainable development of Thai listed companies, both on the SET and MAI, are publicly available on the website of the Securities and Exchange Commission of Thailand (SEC). Currently, ratings available are 1) "CG Score" by the Thai Institute of Directors Association (Thai IOD); 2) "AGM Checklist" by the Thai Investors Association (TIA), a "CAC certified member" of the Thai Private Sector Collective Action Against Corruption (CAC); and 3) Sustainability Investment List (THSI) by the Stock Exchange of Thailand. The ratings are updated on an annual basis. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such ratings.

CG Score by the Thai Institute of Directors Association (Thai IOD) 1

The CG Score indicates corporate governance (CG) strength in the sustainable development of Thai listed companies. Annually, the Thai IOD, with support from the Stock Exchange of Thailand (SET), surveys and assesses the CG practices of companies and publishes the results on the <u>Thai IOD website</u> in a bid to promote and enhance the CG of Thai listed companies in order to promote compliance with international standards for better investment decisions. The results are from the perspective of a third party, not an evaluation of operations, as of the date appearing in the report, and may be changed after that date.

The five underlying categories and weighting used for the CG scoring in 2022 include the rights of shareholders and equitable treatment of shareholders (weight 25% combined), the role of stakeholders (25%), disclosure and transparency (15%), and board responsibilities (35%).

The CGR report rates CG in six categories: 5 for Excellent (score range 90-100), 4 for Very Good (score range 80-89), 3 for Good (Score range 70-79), 2 for Fair (score range 60-69), 1 for Pass (score range 60-69), and not rated (score below 50).

Corporate Governance Report Disclaimer

The disclosure of the survey result 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 companies listed on the Stock Exchange of Thailand and the Market of Alternative Investment disclosed to the public and able to be accessed by a general public investor at <u>Thai IOD website</u>. 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 data appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. **FSSIA** does not confirm nor certify the accuracy of such survey result.

AGM Checklist by the Thai Investors Association (TIA)²

The "<u>AGM Checklist</u>" quantifies the extent to which shareholders' rights and equitable treatment are incorporated into business operations and the extent to which information is sufficiently disclosed and the level of its transparency. All the considered factors form important elements of two out of five the CG components. Annually, the TIA, with support from the SEC, leads the project to evaluate the quality of Annual General Meetings of Shareholders (AGMs) and to rate quality of the meetings.

The <u>Checklist</u> contains the minimum requirements under law that companies must comply with, or best practices according to international CG guidance. Representatives of the TIA will attend the meetings and perform the evaluation. The assessment criteria cover AGM procedures before the meeting (45%), at the meeting date (45%), and after the meeting (10%). The first assesses 1) advance circulation of sufficient information for voting; and 2) facilitating of how voting rights can be exercised. The second assesses 1) the ease of attending meetings; 2) transparency and verifiability; and 3) openness for Q&A. The third involves the meeting minutes that should contain discussion issues, resolutions and voting results.

The results are classified into four categories: 5 for Excellent (score 100), 4 for Very Good (score 90-99), 3 for Fair (score 80-89), and not rated (score below 79).

CAC certified member by the Thai Private Sector Collective Action Against Corruption (CAC)³

A <u>CAC certified member</u> is a listed company whose Checklist satisfies the CAC Certification's criteria and is approved by the CAC Council. The core elements of the Checklist include corruption risk assessment, establishment of key controls, and the monitoring and developing of policies. Note that the CAC does not certify the behaviour of the employees nor whether the companies have engaged in bribery, and Certification is good for three years.

Companies deciding to become a CAC certified member start with by submitting a Declaration of Intent signed by the Chairman of the Board to kick off the 18-month deadline for companies to submit the CAC Checklist for Certification. The 18-month provision is for risk assessment, in place of policy and control, training of managers and employees, establishment of whistleblowing channels, and communication of policies to all stakeholders.

The checklist document will be reviewed by the CAC Certification Committee for adequate information and evidence. It is worth noting that the committee consists of nine professionals in business law, corporate governance, internal audit, financial audit and experienced representatives from certified members.

A passed Checklist will move on to the <u>CAC Council</u> for granting certification approvals. The CAC Council consists of twelve prominent individuals who are highly respected in professionalism and ethical achievements. Among them are former ministers, a former central bank governor, the former head of the Thai Listed Companies Association, Chairman of Anti-Corruption Organizations (Thailand), Chairman of Thai Institute of Directors, and reputable academic scholars.

Sustainability Investment (THSI)⁴ by the Stock Exchange of Thailand (SET)

Thailand Sustainability Investment (THSI) quantifies responsibility in Environmental, and Social issues, by managing business with transparency in Governance. The THSI serves as another choice for investors who desire to adopt a responsible investment approach, according to the SET.

Annually, the SET will announce the voluntary participation of the company candidates which pass the preemptive criteria, and whose two key crucial conditions are met, i.e. no irregular trading of the board members and executives and a free float of >150 by the number of shareholders, and combined holding must >15% of paid-up capital. Some key disqualifying criteria include a CG score of below 70%; independent directors and free float violation; executives' wrongdoing related to CG, social and environmental impacts, equity in negative territory, and earnings in the red for more than three years in the last five years. To become eligible for THSI, the candidate must pass three indicators in data declaration: <u>E</u>conomic (CG, risk management, customer relation management, supply chain management, and novation); <u>E</u>nvironmental (environmental management, eco-efficiency, and climate risk); <u>S</u>ocial (human rights, talent attraction, operational health & safety, community development, and stakeholder engagement); and the incorporation of ESG in business operations.

To be approved for THSI inclusion, verified data must be scored at a 50% minimum for each indicator, unless the company is a part of the Dow Jones Sustainability Indices⁵ (DJSI) during the assessment year. The scoring will be fairly weighted against the nature of the relevant industry and materiality.

Note that, from the <u>THSI list</u>, the SET further developed a sustainability <u>SETTHSI Index</u> in June 2018 from selected THSI companies whose 1) market capitalisation > THB5b (~USD150b); 2) free float >20%; and 3) liquidity >0.5% of paid-up capital for at least 9 out of 12 months. The SETTHSI Index is a market capitalisation-weighted index, cap 5% quarterly weight at maximum, and no cap for number of stocks.

Sources: SEC; Thai IOD; Thai CAC; SET; FSSIA's compilation

Disclaimer:

⁵ Dow Jones Sustainability Indices – <u>Wikipedia</u> – Launched in 1999, DJSI evaluates the sustainability performance of companies based on corporate economic, environmental, and social performance.



¹ Thai Institute of Directors Association (<u>Thai IOD</u>) was established in December 1999 and is a membership organisation that strives to promote professionalism in directorship. The Thai IOD offers directors certification and professional development courses, provides a variety of seminars, forums and networking events, and conducts research on board governance issues and practices. Membership comprises board members from companies ranging from large publicly listed companies to small private firms.

² Thai Investors Association (<u>TIA</u>) was established in 1983 with a mission to promote investment knowledge and to protect the investment rights of Thai investors. In 2002, the association was appointed by the Securities and Exchange Commission (SEC) to represent individual shareholders. To obtain information for evaluation, the association recruits volunteer investors to join AGMs and score the meetings. Weightings for each meeting are at a 45:45:10 ratio. They have been applied since 2017 and subject to change.

³ Thai Private Sector Collective Action against Corruption (<u>CAC</u>) was founded in 2010 and is 100% privately funded. It is an initiative by the Thai private sector to take part in tackling corruption problems via collective action. The CAC promotes the implementation of effective anti-corruption policies in order to create a transparent business ecosystem by developing a unique certification program for large/medium/small companies to apply for and to control corruption risk systematically and efficiently. The CAC's operations are sponsored by the US-based Center for Private Enterprise (CIPE) and the UK Prosperity Fund.

⁴ Sustainability Investment List (<u>THSI</u>), created by the Stock Exchange of Thailand in 2015, comprises the listed companies that conduct sustainable business operations.

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Kwanwaree Apichartsataporn 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



Kwanwaree Apichartsataporn started covering this stock from 01-Jun-2023

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Bangchak Corp	BCP TB	THB 39.25	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 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 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 09-Aug-2023 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.

