

# GLOBAL POWER SYNERGY

THAILAND / UTILITIES - CONVENTIONAL

# GPSC TB

# BUY

UNCHANGED

## Gas cost hike diluted 4Q21 results

- 4Q21 NP was weak at THB1.2b (-38% q-q, -20% y-y) due to the higher gas cost and the unplanned shutdowns.
- We expect strong NP to begin in 2022, driven by: 1) the lower cost of gas; 2) higher earnings from Avaada and CI; 3) rising demand.
- Maintain BUY and our TP of THB90.

TARGET PRICE	THB90.00
CLOSE	THB75.50
UP/DOWNSIDE	+19.2%
TP vs CONSENSUS	+1.5%

### KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	74,874	85,969	95,350	110,974
Net profit	7,319	7,100	10,733	15,549
EPS (THB)	2.60	2.52	3.81	5.51
vs Consensus (%)	-	(23.7)	5.7	-
EBITDA	22,231	17,411	21,965	27,417
Core net profit	8,907	7,100	10,733	15,549
Core EPS (THB)	3.16	2.52	3.81	5.51
Chg. In EPS est. (%)	nm	(19.1)	2.4	nm
EPS growth (%)	(0.6)	(20.3)	51.2	44.9
Core P/E (x)	23.9	30.0	19.8	13.7
Dividend yield (%)	2.0	2.3	2.7	2.7
EV/EBITDA (x)	14.0	18.9	15.4	12.4
Price/book (x)	2.0	1.9	1.8	1.7
Net debt/Equity (%)	74.6	86.9	88.1	82.1
ROE (%)	8.4	6.5	9.4	12.8

### Higher gas cost eroded 4Q21 net profit

GPSC's 4Q21 net profit (NP) was weak at THB1.2b, down 38% q-q and 20% y-y. Core NP dropped to THB1.6b, down 30% q-q and 13% y-y, missing our estimate by 15% and BBG consensus by 10%. Key drivers were the higher gas cost and the unplanned shutdowns of the Glow Energy phase 5 small power producers (SPPs) and Gheco-One independent power producers (IPPs) that were partly offset by a higher share of profits from GPSC's 25%-owned Xaiyaburi (XPCL) hydropower plant. Core NPs from GPSC's main power plants dropped in 4Q21 due to: 1) lower gross profits (GPs) from SPPs due to the higher gas (+22% q-q, +50% y-y) and coal costs (+36% q-q, +113% y-y) and the IPP shutdowns, despite the rising electricity demand for industrial users; 2) higher availability payments (APs) from Gheco-One to 96% due to no unplanned outage; and 3) a higher share of profits from XPCL.

### Gross profit dropped mainly from SPPs

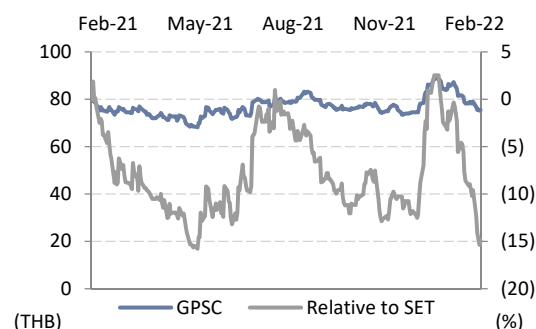
Overall 4Q21 GP dipped to THB3.9b (-20% q-q, -20% y-y), while 4Q21 GP from SPPs was THB2.4b (-35% q-q, -34% y-y) on the higher q-q gas cost at THB331/mmbtu (+22% q-q, +50% y-y), lower steam sales (-1% y-y for GPSC, -1% y-y for GLOW) and lower electricity sales volumes (-1% y-y for GPSC, -2% y-y for GLOW). The higher GP from IPPs at THB1.4b (+31% q-q, +28% y-y) was due to the q-q higher APs from Gheco-One.

### Weaker share of profit due to seasonally low waters

XPCL (25%-owned by GPSC) contributed a net profit of THB37m in 4Q21, down 94% q-q and 59% y-y due to seasonally lower water levels, resulting in a lower overall share of profits in 4Q21 to THB120m (-83% q-q, -51% y-y). However, NPs from another hydropower plant, Nam Lik 1, rose 11% y-y to THB21m. The acquired solar farms from Avaada contributed a net loss of THB25m due to an FX loss despite an operating profit of THB30m. In 4Q21, there was an FX gain of THB68m.

### The worst should now be in the rear-view mirror

We maintain BUY and our TP of THB90. We expect GPSC's strong NP to begin in 2022, driven by: 1) a gradually lower cost of gas; 2) higher earnings from Avaada and CI, acquired in 1H21; and 3) rising demand for electricity and steam from industrial users.



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(10.4)	1.7	(6.5)
Relative to country (%)	(12.1)	(2.3)	(17.0)
Mkt cap (USD m)			6,512
3m avg. daily turnover (USD m)			42.9
Free float (%)			25
Major shareholder			PTTGC Plc (23%)
12m high/low (THB)			89.75/67.25
Issued shares (m)			2,819.73

Sources: Bloomberg consensus; FSSIA estimates



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## Exhibit 1: Summary of 4Q21/2021 operations

	4Q20	3Q21	-----4Q21-----			2020	2021	Change
	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	
<b>Revenue</b>	<b>16,531</b>	<b>17,996</b>	<b>22,019</b>	<b>22.3</b>	<b>33.2</b>	<b>69,578</b>	<b>74,874</b>	<b>7.6</b>
Operating costs	(12,122)	(13,074)	(18,676)	42.8	54.1	(47,742)	(54,504)	14.2
<b>EBITDA</b>	<b>4,409</b>	<b>4,922</b>	<b>3,343</b>	<b>(32.1)</b>	<b>(24.2)</b>	<b>22,741</b>	<b>22,231</b>	<b>(2.2)</b>
<i>EBITDA margin (%)</i>	27	27	15	<i>nm</i>	<i>nm</i>	33	30	<i>nm</i>
Depn & amort.	(2,046)	(2,205)	(2,200)	(0.2)	7.5	(8,706)	(9,232)	6.0
EBIT	2,363	2,717	1,143	(57.9)	(51.6)	14,035	13,000	(7.4)
Interest expense	(965)	(998)	(901)	(9.7)	(6.7)	(4,024)	(3,860)	(4.1)
Interest & invt inc	0	0	0	<i>nm</i>	<i>nm</i>	0	0	<i>nm</i>
Other income	191	284	1,944	583.3	918.3	(1,454)	(1,588)	9.3
Associates' contrib	244	690	120	(82.6)	(50.8)	924	1,536	66.2
Exceptional	77	(461)	(732)	58.9	<i>nm</i>	1	(55)	<i>nm</i>
<b>Pretax profit</b>	<b>1,910</b>	<b>2,232</b>	<b>1,574</b>	<b>(29.5)</b>	<b>(17.6)</b>	<b>9,483</b>	<b>9,032</b>	<b>(4.8)</b>
Tax	(141)	(295)	(97)	(67.2)	(31.5)	(993)	(1,192)	20.1
<i>Tax rate (%)</i>	7	13	6	<i>nm</i>	<i>nm</i>	10	13	<i>nm</i>
Minority interests	(311)	(63)	(309)	390.8	(0.7)	(982)	(522)	(46.9)
<b>Net profit</b>	<b>1,458</b>	<b>1,875</b>	<b>1,168</b>	<b>(37.7)</b>	<b>(19.9)</b>	<b>7,508</b>	<b>7,319</b>	<b>(2.5)</b>
Non-recurring	355	381	403	5.6	13.4	1,454	1,588	9.3
<b>Core net profit</b>	<b>1,813</b>	<b>2,256</b>	<b>1,571</b>	<b>(30.4)</b>	<b>(13.3)</b>	<b>8,962</b>	<b>8,907</b>	<b>(0.6)</b>
EPS (THB)	0.52	0.66	0.41	(37.7)	(19.9)	2.66	2.60	(2.5)
Core EPS (THB)	0.64	0.80	0.56	(30.4)	(13.3)	3.18	3.16	(0.6)

Sources: GPSC; FSSIA estimates

## Exhibit 2: 4Q21/2021 – key performance

	4Q20	3Q21	4Q21	(q-q %)	(y-y %)	2020	2021	(y-y %)	Unit
<b>IPP</b>									
Gross profit	1,116	1,089	1,423	30.7	27.5	5,358	4,889	(8.8)	THB m
Gross profit margin*	30	33	20	(13.0)	(10.0)	34	27	(7.0)	%
Availability rate (Sriracha)*	90	100	63	(37.0)	(27.0)	97	91	(6.0)	%
Availability rate (GIPP)*	90	98	93	(5.0)	3.0	97	92	(5.0)	%
Availability rate (GHECO-ONE)*	94	69	96	27.0	2.0	94	75	(19.0)	%
Average selling price	2.18	2.77	3.44	24.2	57.8	2.41	2.70	12.0	THB/kWh
Natural gas consumption (Sriracha)	2,185	473	130	(72.5)	(94.1)	6,074	6,775	11.5	('000 MMBTU)
Natural gas consumption (GLOW)	0	311	1,102	254.3	<i>nm</i>	16	4,977	31,600.6	('000 MMBTU)
Average coal cost	79	90	96	6.8	20.8	86	88	2.3	USD/tonne JPU
<b>SPP</b>									
Gross profit	3,707	3,721	2,437	(34.5)	(34.3)	15,362	14,423	(6.1)	THB m
Gross profit margin*	29	26	17	(9.0)	(12.0)	29	26	(3.0)	%
Weighted average selling price (Electricity)	2.80	3.05	3.17	3.9	13.2	2.94	3.00	2.0	THB/kWh
Weighted average selling price (Steam)	886	980	1,153	17.7	30.1	1,003	996	(0.7)	THB/Tonnes
Natural gas consumption	29,821	31,413	28,786	(8.4)	(3.5)	114,993	122,278	6.3	('000 MMBTU)
- GPSC	13,217	13,562	12,907	(4.8)	(2.3)	50,590	52,857	4.5	('000 MMBTU)
- GLOW	16,604	17,851	15,879	(11.0)	(4.4)	64,403	69,421	7.8	('000 MMBTU)
Average price of natural gas	221	271	331	22.1	49.8	252	265	5.2	THB/MMBTU
Average coal cost	68	106	144	36.4	112.7	73	103	39.6	USD/tonne JPU
<b>VSPP</b>									
Gross profit	108	112	61	(45.5)	(43.5)	610	355	(41.8)	THB m
Gross profit margin*	63	63	34	(29.0)	(29.0)	72	51	(21.0)	%
Average selling price (Electricity)	6.06	14.59	7.70	(47.2)	27.1	8.00	8.93	11.6	THB/kWh
Average selling price (Chilled water)	7.31	7.03	7.70	9.5	5.3	6.97	7.21	3.4	THB/RT
<b>Share of profits from associates and joint ventures</b>	<b>244</b>	<b>690</b>	<b>120</b>	<b>(82.6)</b>	<b>(50.8)</b>	<b>924</b>	<b>1,535</b>	<b>66.1</b>	<b>THB m</b>
- Xayaburi Power Company Limited (XPCL)	90	591	37	(93.7)	(58.9)	242	944	290.1	THB m
- Bangpa-in Cogeneration Company Limited (BIC)	30	34	23	(32.4)	(23.3)	147	123	(16.3)	THB m
- Nava Nakorn Electricity Generating Company Limited (NNEG)	24	31	4	(87.1)	(83.3)	94	116	23.4	THB m
- Eastern Seaboard Clean Energy Company (ESCE)	9	7	6	(14.3)	(33.3)	40	27	(32.5)	THB m
- Nam Lik 1 Power Company Limited (NL1PC)	19	18	21	16.7	10.5	69	67	(2.9)	THB m
- Thai Solar Renewable Company Limited (TSR)	72	79	65	(17.7)	(9.7)	332	335	0.9	THB m
- Avaada Energy Private Limited (Avaada)	0	(31)	(25)	(19.4)	<i>nm</i>	0	(57)	<i>nm</i>	THB m
- Global Renewable Power Company Limited (GRP)	0	(39)	(11)	(71.8)	<i>nm</i>	0	(20)	<i>nm</i>	THB m

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

Sources: GPSC; FSSIA estimates

## Financial Statements

### Global Power Synergy

Profit and Loss (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Revenue	69,578	74,874	85,969	95,350	110,974
Cost of goods sold	(47,742)	(54,504)	(68,092)	(72,238)	(82,113)
<b>Gross profit</b>	<b>21,836</b>	<b>20,370</b>	<b>17,877</b>	<b>23,112</b>	<b>28,861</b>
Other operating income	1,402	3,236	1,151	648	650
Operating costs	(497)	(1,374)	(1,617)	(1,796)	(2,094)
<b>Operating EBITDA</b>	<b>22,741</b>	<b>22,231</b>	<b>17,411</b>	<b>21,965</b>	<b>27,417</b>
Depreciation	(8,706)	(9,232)	(7,668)	(8,561)	(8,552)
Goodwill amortisation	0	0	0	0	0
<b>Operating EBIT</b>	<b>14,035</b>	<b>13,000</b>	<b>9,744</b>	<b>13,403</b>	<b>18,865</b>
Net financing costs	(4,022)	(3,915)	(3,305)	(4,831)	(4,831)
Associates	924	1,536	2,164	4,368	4,431
Recurring non-operating income	924	1,536	2,164	4,368	4,431
Non-recurring items	(1,454)	(1,588)	0	0	0
<b>Profit before tax</b>	<b>9,483</b>	<b>9,032</b>	<b>8,602</b>	<b>12,940</b>	<b>18,465</b>
Tax	(993)	(1,192)	(626)	(1,039)	(1,705)
<b>Profit after tax</b>	<b>8,490</b>	<b>7,840</b>	<b>7,977</b>	<b>11,901</b>	<b>16,760</b>
Minority interests	(982)	(522)	(877)	(1,168)	(1,211)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
<b>Reported net profit</b>	<b>7,508</b>	<b>7,319</b>	<b>7,100</b>	<b>10,733</b>	<b>15,549</b>
<b>Non-recurring items &amp; goodwill (net)</b>	<b>1,454</b>	<b>1,588</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Recurring net profit</b>	<b>8,962</b>	<b>8,907</b>	<b>7,100</b>	<b>10,733</b>	<b>15,549</b>
<b>Per share (THB)</b>					
Recurring EPS *	3.18	3.16	2.52	3.81	5.51
Reported EPS	2.66	2.60	2.52	3.81	5.51
DPS	1.50	1.50	1.75	2.05	2.05
Diluted shares (used to calculate per share data)	2,820	2,820	2,820	2,820	2,820
<b>Growth</b>					
Revenue (%)	4.5	7.6	14.8	10.9	16.4
Operating EBITDA (%)	20.8	(2.2)	(21.7)	26.2	24.8
Operating EBIT (%)	19.5	(7.4)	(25.0)	37.6	40.7
Recurring EPS (%)	60.8	(0.6)	(20.3)	51.2	44.9
Reported EPS (%)	84.9	(2.5)	(3.0)	51.2	44.9
<b>Operating performance</b>					
Gross margin inc. depreciation (%)	18.9	14.9	11.9	15.3	18.3
Gross margin of key business (%)	18.9	14.9	11.9	15.3	18.3
Operating EBITDA margin (%)	32.7	29.7	20.3	23.0	24.7
Operating EBIT margin (%)	20.2	17.4	11.3	14.1	17.0
Net margin (%)	12.9	11.9	8.3	11.3	14.0
Effective tax rate (%)	11.6	15.9	9.7	12.1	12.2
Dividend payout on recurring profit (%)	47.2	47.5	69.5	53.9	37.2
Interest cover (X)	3.7	3.7	3.6	3.7	4.8
Inventory days	49.6	44.2	41.8	45.1	43.7
Debtor days	56.4	54.9	67.7	81.2	89.5
Creditor days	32.6	34.7	38.6	41.7	40.3
Operating ROIC (%)	10.4	(2.3)	(1.6)	(11.3)	(14.6)
ROIC (%)	5.4	(1.2)	(0.9)	(7.9)	(9.8)
ROE (%)	8.8	8.4	6.5	9.4	12.8
ROA (%)	5.2	3.3	2.6	2.0	3.5
* Pre-exceptional, pre-goodwill and fully diluted					
<b>Revenue by Division (THB m)</b>					
Independent power producer	10,695	6,550	4,325	13,336	28,350
Small power producer	55,525	64,249	77,211	77,579	78,186
Very small power producer	2,136	2,851	3,208	3,208	3,208
Others	1,222	1,224	1,225	1,227	1,229

Sources: Global Power Synergy; FSSIA estimates

## Financial Statements

### Global Power Synergy

Cash Flow (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Recurring net profit	8,962	8,907	7,100	10,733	15,549
Depreciation	8,706	9,232	7,668	8,561	8,552
Associates & minorities	924	1,536	2,164	4,368	4,431
Other non-cash items	1,317	1,318	1,318	1,319	1,319
Change in working capital	(10,510)	(4,686)	(5,700)	(6,066)	(7,349)
<b>Cash flow from operations</b>	<b>9,400</b>	<b>16,307</b>	<b>12,550</b>	<b>18,915</b>	<b>22,503</b>
Capex - maintenance	(8,706)	(9,232)	(5,868)	(6,761)	(6,802)
Capex - new investment	(1,296)	(4,398)	(17,329)	(10,236)	(6,796)
Net acquisitions & disposals	(540)	(16,535)	0	0	0
Other investments (net)	0	0	0	0	0
<b>Cash flow from investing</b>	<b>(10,543)</b>	<b>(30,165)</b>	<b>(23,197)</b>	<b>(16,997)</b>	<b>(13,599)</b>
Dividends paid	0	0	(4,371)	(4,935)	(5,780)
Equity finance	0	0	0	0	0
Debt finance	5,705	(2,683)	17,179	4,000	(4,000)
Other financing cash flows	(3,113)	10,045	(2,607)	(4,521)	(4,542)
<b>Cash flow from financing</b>	<b>2,592</b>	<b>7,362</b>	<b>10,202</b>	<b>(5,455)</b>	<b>(14,322)</b>
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
<b>Net other adjustments</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Movement in cash</b>	<b>1,450</b>	<b>(6,496)</b>	<b>(445)</b>	<b>(3,537)</b>	<b>(5,418)</b>
Free cash flow to firm (FCFF)	2,881.11	(9,998.19)	(7,341.83)	6,749.19	13,735.13
Free cash flow to equity (FCFE)	1,449.90	(6,496.07)	3,925.44	1,397.41	362.36

#### Per share (THB)

FCFF per share	1.02	(3.55)	(2.60)	2.39	4.87
FCFE per share	0.51	(2.30)	1.39	0.50	0.13
Recurring cash flow per share	7.06	7.45	6.47	8.86	10.59

Balance Sheet (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Tangible fixed assets (gross)	127,437	132,273	153,671	168,870	180,720
Less: Accumulated depreciation	(27,460)	(36,692)	(42,560)	(49,321)	(56,123)
<b>Tangible fixed assets (net)</b>	<b>99,978</b>	<b>95,581</b>	<b>111,112</b>	<b>119,549</b>	<b>124,597</b>
<b>Intangible fixed assets (net)</b>	<b>6,072</b>	<b>5,116</b>	<b>5,116</b>	<b>5,116</b>	<b>5,116</b>
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	11,165	27,700	27,700	27,700	27,700
Cash & equivalents	20,289	13,793	13,348	9,811	4,393
A/C receivable	9,084	13,441	18,444	23,993	30,451
Inventories	6,253	6,938	8,668	9,196	10,453
Other current assets	7,828	11,318	12,995	14,413	16,775
<b>Current assets</b>	<b>43,454</b>	<b>45,490</b>	<b>53,455</b>	<b>57,412</b>	<b>62,071</b>
Other assets	95,987	96,492	96,492	96,492	96,492
<b>Total assets</b>	<b>256,656</b>	<b>270,379</b>	<b>293,875</b>	<b>306,269</b>	<b>315,976</b>
Common equity	102,901	108,334	111,063	116,862	126,630
Minorities etc.	8,966	9,413	10,290	11,459	12,669
<b>Total shareholders' equity</b>	<b>111,867</b>	<b>117,748</b>	<b>121,354</b>	<b>128,320</b>	<b>139,299</b>
Long term debt	92,321	92,511	101,811	97,811	93,811
Other long-term liabilities	30,405	37,084	37,084	37,084	37,084
<b>Long-term liabilities</b>	<b>122,726</b>	<b>129,595</b>	<b>138,895</b>	<b>134,895</b>	<b>130,895</b>
A/C payable	3,952	6,407	8,004	8,492	9,653
Short term debt	11,993	9,121	17,000	25,000	25,000
Other current liabilities	6,118	7,508	8,621	9,562	11,128
<b>Current liabilities</b>	<b>22,063</b>	<b>23,036</b>	<b>33,626</b>	<b>43,054</b>	<b>45,781</b>
<b>Total liabilities and shareholders' equity</b>	<b>256,656</b>	<b>270,379</b>	<b>293,875</b>	<b>306,269</b>	<b>315,976</b>
Net working capital	13,096	17,782	23,482	29,548	36,897
Invested capital	226,298	242,671	263,902	278,405	290,802

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

#### Per share (THB)

Book value per share	36.49	38.42	39.39	41.44	44.91
Tangible book value per share	34.34	36.61	37.57	39.63	43.09

#### Financial strength

Net debt/equity (%)	75.1	74.6	86.9	88.1	82.1
Net debt/total assets (%)	32.7	32.5	35.9	36.9	36.2
Current ratio (x)	2.0	2.0	1.6	1.3	1.4
CF interest cover (x)	1.7	0.5	7.4	3.4	2.5

Valuation	2020	2021	2022E	2023E	2024E
<b>Recurring P/E (x) *</b>	<b>23.8</b>	<b>23.9</b>	<b>30.0</b>	<b>19.8</b>	<b>13.7</b>
<b>Recurring P/E @ target price (x) *</b>	<b>28.3</b>	<b>28.5</b>	<b>35.7</b>	<b>23.6</b>	<b>16.3</b>
Reported P/E (x)	28.4	29.1	30.0	19.8	13.7
Dividend yield (%)	2.0	2.0	2.3	2.7	2.7
Price/book (x)	2.1	2.0	1.9	1.8	1.7
Price/tangible book (x)	2.2	2.1	2.0	1.9	1.8
EV/EBITDA (x) **	13.5	14.0	18.9	15.4	12.4
EV/EBITDA @ target price (x) **	15.2	15.8	21.2	17.2	13.9
EV/invested capital (x)	1.4	1.3	1.2	1.2	1.2

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

Sources: Global Power Synergy; 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	PCSGH	PDJ	PG	PHOL	PLANB	PLANET
PLAT	PORT	PPS	PR9	PREB	PRG	PRM	PSH	PSL	PTG	PTT
PTTEP	PTTGC	PYLON	Q-CON	QH	QTC	RATCH	RS	S	S & J	SAAM
SABINA	SAMART	SAMTEL	SAT	SC	SCB	SCC	SCCC	SCG	SCN	SDC
SEAFCO	SEOIL	SE-ED	SELIC	SENA	SIRI	SIS	SITHAI	SMK	SMPC	SNC
SONIC	SORKON	SPALI	SPI	SPRC	SPVI	SSSC	SST	STA	SUSCO	SUTHA
SVI	SYMC	SYNTEC	TACC	TASCO	TCAP	TFMAMA	THANA	THANI	THCOM	THG
THIP	THRE	THREL	TIP	TIPCO	TISCO	TK	TKT	TTB	TMILL	TNDT
TNL	TOA	TOP	TPBI	TQM	TRC	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

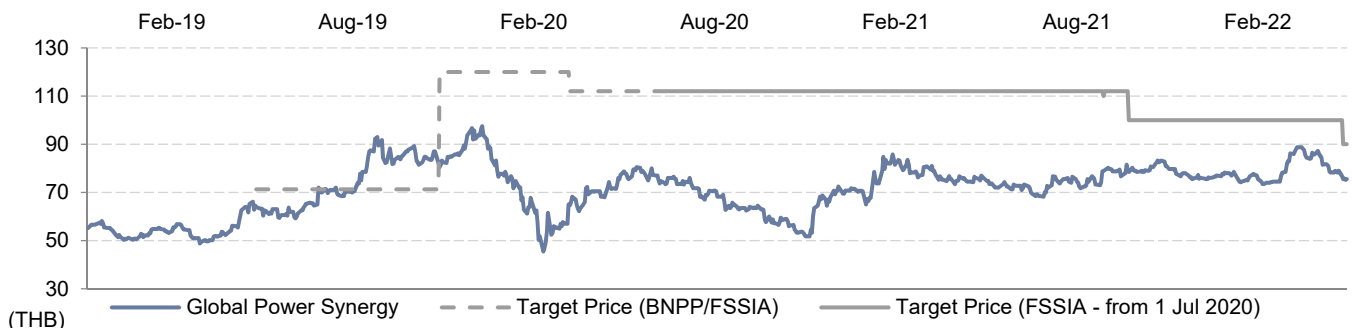
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s)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

#### Global Power Synergy (GPSC TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
11-Jul-2019	BUY	71.27	14-Jul-2021	BUY	110.00	07-Feb-2022	BUY	90.00
17-Dec-2019	BUY	120.00	15-Jul-2021	BUY	112.00			
08-Apr-2020	BUY	112.00	05-Aug-2021	BUY	100.00			

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 08-May-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Global Power Synergy	GPSC TB	THB 75.50	BUY	The downside risks to our SoTP-based TP on GPSC include 1) lower-than-expected demand for electricity in Thailand; 2) a lower crude price; and 3) lower-than-expected demand from industrial users.

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 11-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.