



# B.Grimm Power

B.Grimm Power  
Public Company Limited

# BGRIM

Bloomberg BGRIM TB  
Reuters BGRIM.BK

## 1Q22: High gas cost continued to hit profit

**Net profit in 1Q22 plunged 96% YoY and 88% QoQ to a new low of only Bt23mn, pressured by high gas cost which the higher tariff for electricity sales to IUs failed to offset even after the Ft rate (Jan-Apr) was raised Bt0.1671/kWh. This was partially made up for by a better performance at the solar power business in Vietnam where demand recovered. We expect 2Q22F profit to improve slightly on another bump up in Ft rate, but the rate will stay below that needed for a full turnaround in earnings. We expect 2022F profit to be hard hit by higher gas cost. Nonetheless, the 20% YTD decline in share price should largely price in this weakening profit outlook. Maintain Neutral rating.**

**Electricity sales volume to IUs reached record high.** Electricity sales volume fell 0.8% YoY and 5.5% QoQ due to lower sales to EGAT (-3.8% YoY, -9.3% QoQ) due to the maintenance shutdown of ABP3 (132.5MW) and load management for BGPM 1&2 during the PPA extension period. Electricity sales volume to industrial users (IUs), 27% of total sales for conventional power plants, increased 7% YoY and 5.6% QoQ to a record high due to higher demand from electronics, auto parts and tire and home appliance manufacturers. The company was able to synchronize its grid system with new customers with additional PPAs of 23MW from target of >55MW for 2022.

**Negative impact of high gas price persisted.** Gas cost for SPPs rose 32% QoQ and doubled YoY to a record high of Bt442.17/mmbtu in 1Q22. This was a mismatch to the price of electricity (+7% YoY, +5% QoQ) and steam (+32 YoY, +15% QoQ) charged to industrial users and was the primary cause for the weak earnings in 1Q22, as electricity sales volume from this segment (+7% YoY, +6% QoQ) accounted for 28% of total electricity sales volume from conventional power plants in Thailand.

**Solar electricity sales in Vietnam improved.** Renewable power sales revenue (6% of total electricity sales) was lower YoY but increased 13% QoQ, driven by higher electricity sales from the solar power business in Vietnam as power demand improved after the COVID lockdown was eased. Together with better transmission gridline management and lower hydropower electricity generation, energy curtailment came down to 6-7% in 1Q22 from 12-13% in 1Q21.

**Operating profit pressured by higher gas cost in 2Q22F.** Management says gas cost will remain high in 2Q22F and it has raised its guidance for average cost in 2022 to Bt400-450/mmbtu from Bt350-400/mmbtu, up from Bt266.04/mmbtu in 2021. This will be offset by gradual Ft adjustment to compensate for higher fuel cost, raised Bt0.2338/kWh for the May-Aug 2022 period to Bt0.2477/kWh. Management also expects the five new SPP plants under the SPP Replacement scheme will provide 15% energy consumption savings when they start coming on line later this year. BGRIM's gas cost will be more competitive from 2023 onwards after it starts importing LNG in 2023. BGRIM will continue to improve the efficiency of two operating SPPs to save Bt20-25mn p.a. in gas cost and cut Bt100mn off of expenses in 2022. Maintain Neutral with DCF-based TP of Bt55.

### Forecasts and valuation

Year to 31 Dec	Unit	2020	2021	2022F	2023F	2024F
Revenue	(Btmn)	44,087	46,628	60,075	58,753	60,347
EBITDA	(Btmn)	13,040	12,422	15,053	18,316	18,830
Core profit	(Btmn)	2,509	1,520	2,710	4,231	4,471
Reported profit	(Btmn)	2,175	2,276	2,710	4,231	4,471
Core EPS	(Bt)	0.96	0.58	1.04	1.62	1.72
DPS	(Bt)	0.45	0.42	0.42	0.80	0.90
P/E, core	(x)	33.5	55.3	31.0	19.9	18.8
EPS growth, core	(%)	14.4	(39.4)	78.3	56.1	5.7
P/BV, core	(x)	3.1	2.9	2.7	2.5	2.3
ROE	(%)	9.0	5.3	8.9	13.0	12.8
Dividend yield	(%)	1.4	1.3	1.3	2.5	2.8
FCF yield	(x)	(11.7)	(6.2)	(5.6)	7.4	11.1
EV/EBIT	(x)	22.7	26.2	21.5	15.5	14.2
EBIT growth, core	(%)	9.1	(3.5)	30.6	33.8	4.8
EV/CE	(x)	2.1	2.1	2.1	2.0	2.0
ROCE	(%)	8.3	7.1	8.2	11.2	12.0
EV/EBITDA	(x)	13.1	15.4	13.6	10.7	10.1
EBITDA growth	(%)	12.6	(4.7)	21.2	21.7	2.8

Source: SCBS Investment Research

## Tactical: NEUTRAL

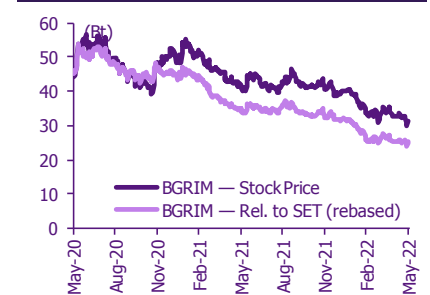
(3-month)

### Stock data

Last close (May 13) (Bt)	32.25
Target price (Bt)	55.00
Mkt cap (Btbn)	84.07
Mkt cap (US\$mn)	2,417

Beta	L
Mkt cap (%) SET	0.45
Sector % SET	21.88
Shares issued (mn)	2,607
Par value (Bt)	2.00
12-m high / low (Bt)	46.5 / 29.8
Avg. daily 6m (US\$mn)	12.86
Foreign limit / actual (%)	49 / 40
Free float (%)	36.0
Dividend policy (%)	≥ 40

### Price Performance



Source: SET, SCBS Investment Research

### Share performance

(%)	1M	3M	12M
Absolute	(1.5)	(0.8)	(19.9)
Relative to SET	4.1	5.5	(21.6)

Source: SET, SCBS Investment Research

### Analyst

#### Chaipat Thanawattano

Fundamental Investment

Analyst on Securities

(66-2) 949-1005

chaipat.thanawattano@scb.co.th

## Financial statement

### Profit and Loss Statement

FY December 31	Unit	2017	2018	2019	2020	2021	2022F	2023F	2024F
Total revenue	(Btmn)	31,482	36,585	44,132	44,087	46,628	60,075	58,753	60,347
Cost of goods sold	(Btmn)	24,013	29,079	35,637	34,753	37,861	49,594	44,586	44,921
<b>Gross profit</b>	<b>(Btmn)</b>	<b>7,469</b>	<b>7,506</b>	<b>8,495</b>	<b>9,334</b>	<b>8,768</b>	<b>10,480</b>	<b>14,167</b>	<b>15,426</b>
SG&A	(Btmn)	1,263	1,409	1,865	2,039	1,673	1,502	2,056	2,655
Other income	(Btmn)	187	460	289	251	188	531	609	560
Interest expense	(Btmn)	2,053	2,928	2,630	3,186	4,293	4,573	4,900	4,901
<b>Pre-tax profit</b>	<b>(Btmn)</b>	<b>4,341</b>	<b>3,629</b>	<b>4,290</b>	<b>4,360</b>	<b>2,989</b>	<b>4,936</b>	<b>7,819</b>	<b>8,430</b>
Corporate tax	(Btmn)	235	177	235	233	298	502	871	1,024
Equity a/c profits	(Btmn)	256	182	101	58	44	44	45	45
Minority interests	(Btmn)	(1,467)	(1,113)	(1,646)	(1,581)	(1,141)	(1,769)	(2,762)	(2,981)
<b>Core profit</b>	<b>(Btmn)</b>	<b>2,165</b>	<b>1,868</b>	<b>2,194</b>	<b>2,509</b>	<b>1,520</b>	<b>2,710</b>	<b>4,231</b>	<b>4,471</b>
Extra-ordinary items	(Btmn)	(38)	(6)	138	(334)	756	0	0	0
<b>Net Profit</b>	<b>(Btmn)</b>	<b>2,127</b>	<b>1,863</b>	<b>2,331</b>	<b>2,175</b>	<b>2,276</b>	<b>2,710</b>	<b>4,231</b>	<b>4,471</b>
EBITDA	(Btmn)	9,151	9,898	11,580	13,040	12,422	15,053	18,316	18,830
<b>Core EPS</b>	<b>(Btmn)</b>	<b>0.83</b>	<b>0.72</b>	<b>0.84</b>	<b>0.96</b>	<b>0.58</b>	<b>1.04</b>	<b>1.62</b>	<b>1.72</b>
Net EPS	(Bt)	0.82	0.71	0.89	0.83	0.87	1.04	1.62	1.72
DPS	(Bt)	0.30	0.32	0.37	0.45	0.42	0.42	0.80	0.90

### Balance Sheet

FY December 31	Unit	2017	2018	2019	2020	2021	2022F	2023F	2024F
Total current assets	(Btmn)	25,837	23,822	33,493	29,879	41,058	44,591	49,388	56,713
Total fixed assets	(Btmn)	63,403	76,814	88,200	100,817	108,139	121,118	120,513	116,189
<b>Total assets</b>	<b>(Btmn)</b>	<b>89,241</b>	<b>100,636</b>	<b>121,693</b>	<b>130,696</b>	<b>149,198</b>	<b>165,708</b>	<b>169,901</b>	<b>172,902</b>
Total loans	(Btmn)	72,580	94,170	92,537	107,223	133,914	149,611	146,931	146,831
Total current liabilities	(Btmn)	9,447	8,189	25,832	26,993	12,724	16,851	17,881	16,220
Total long-term liabilities	(Btmn)	54,050	64,708	57,184	64,399	95,658	104,658	102,318	101,718
<b>Total liabilities</b>	<b>(Btmn)</b>	<b>63,497</b>	<b>72,897</b>	<b>83,016</b>	<b>91,392</b>	<b>108,382</b>	<b>121,509</b>	<b>120,199</b>	<b>117,939</b>
Paid-up capital	(Btmn)	5,214	5,214	5,214	5,214	5,214	5,214	5,214	5,214
<b>Total equity</b>	<b>(Btmn)</b>	<b>18,653</b>	<b>19,253</b>	<b>28,144</b>	<b>27,470</b>	<b>29,471</b>	<b>31,086</b>	<b>33,826</b>	<b>36,107</b>
<b>BVPS</b>	<b>(Bt)</b>	<b>7.16</b>	<b>7.39</b>	<b>10.80</b>	<b>10.54</b>	<b>11.31</b>	<b>11.92</b>	<b>12.98</b>	<b>13.85</b>

### Cash Flow Statement

FY December 31	Unit	2017	2018	2019	2020	2021	2022F	2023F	2024F
Core Profit	(Btmn)	2,165	1,868	2,194	2,509	1,520	2,710	4,231	4,471
Depreciation and amortization	(Btmn)	2,758	3,341	4,660	5,494	5,139	5,544	5,597	5,499
Operating cash flow	(Btmn)	7,381	7,614	9,593	6,826	10,113	13,814	10,872	8,997
Investing cash flow	(Btmn)	(4,804)	(9,973)	(6,902)	(16,639)	(15,326)	(18,522)	(4,622)	316
Financing cash flow	(Btmn)	7,310	(3,290)	5,910	7,762	11,809	6,872	(1,069)	(709)
<b>Net cash flow</b>	<b>(Btmn)</b>	<b>9,887</b>	<b>(5,650)</b>	<b>8,601</b>	<b>(2,051)</b>	<b>6,596</b>	<b>2,163</b>	<b>5,181</b>	<b>8,604</b>

### Key Financial Ratios

FY December 31	Unit	2017	2018	2019	2020	2021	2022F	2023F	2024F
Gross margin	(%)	23.7	20.5	19.2	21.2	18.8	17.4	24.1	25.6
Operating margin	(%)	19.7	16.7	15.0	16.5	15.2	14.9	20.6	21.2
EBITDA margin	(%)	29.1	27.1	26.2	29.6	26.6	25.1	31.2	31.2
EBIT margin	(%)	20.3	17.9	15.7	17.1	15.6	15.8	21.6	22.1
Net profit margin	(%)	6.8	5.1	5.3	4.9	4.9	4.5	7.2	7.4
ROE	(%)	17.6	9.9	9.3	9.0	5.3	8.9	13.0	12.8
ROA	(%)	2.6	2.0	2.0	2.0	1.1	1.7	2.5	2.6
Net D/E	(x)	2.1	2.9	1.8	2.2	2.6	2.7	2.3	1.9
Interest coverage	(x)	4.5	3.4	4.4	4.1	2.9	3.3	3.7	3.8
Debt service coverage	(x)	1.4	2.0	1.2	0.5	1.2	1.8	2.1	2.5
Payout Ratio	(%)	36.8	44.8	41.4	53.9	48.1	40.4	49.3	52.5

### Main Assumptions

FY December 31	Unit	2017	2018	2019	2020	2021	2022F	2023F	2024F
Electricity sales - EGAT	(GWh)	6,706	7,702	9,100	9,714	9,701	9,171	8,874	9,864
Electricity sales - IU (Thailand)	(GWh)	2,949	3,057	3,084	2,821	3,314	5,358	7,461	7,621
Steam sales - IU (Thailand)	(kt)	512	501	855	907	989	907	1,083	1,086
Electricity tariff - IU (Thailand)	(Bt/KWh)	3.19	3.28	3.30	3.29	3.25	3.51	3.54	3.51
Steam price - IU (Thailand)	(Bt/KWh)	1,034	1,106	1,084	986	808	1,086	953	885
Effective gas cost	(Bt/MMBTU)	235	259	273	244	266	350	283	268

## Financial statement

### Profit and Loss Statement

FY December 31	Unit	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q21
Total revenue	(Btmn)	11,243	11,186	10,323	10,453	11,475	11,714	12,903	14,758
Cost of goods sold	(Btmn)	9,033	8,737	8,072	8,127	8,885	9,584	11,265	13,458
<b>Gross profit</b>	<b>(Btmn)</b>	<b>2,210</b>	<b>2,449</b>	<b>2,250</b>	<b>2,326</b>	<b>2,590</b>	<b>2,130</b>	<b>1,639</b>	<b>1,300</b>
SG&A	(Btmn)	486	478	583	411	409	413	431	383
Other income	(Btmn)	76	40	42	28	45	57	58	51
Interest expense	(Btmn)	327	982	347	1,337	945	1,227	784	860
<b>Pre-tax profit</b>	<b>(Btmn)</b>	<b>1,474</b>	<b>1,030</b>	<b>1,362</b>	<b>605</b>	<b>1,280</b>	<b>547</b>	<b>482</b>	<b>109</b>
Corporate tax	(Btmn)	20	59	100	110	128	55	6	29
Equity a/c profits	(Btmn)	27	(10)	15	50	(9)	14	(11)	(3)
Minority interests	(Btmn)	(664)	(358)	(480)	(237)	(449)	(158)	(297)	(67)
<b>Core profit</b>	<b>(Btmn)</b>	<b>816</b>	<b>603</b>	<b>797</b>	<b>309</b>	<b>695</b>	<b>348</b>	<b>168</b>	<b>9</b>
Extra-ordinary items	(Btmn)	202	(102)	(221)	302	327	100	27	14
<b>Net Profit</b>	<b>(Btmn)</b>	<b>1,017</b>	<b>501</b>	<b>576</b>	<b>611</b>	<b>1,022</b>	<b>447</b>	<b>195</b>	<b>23</b>
EBITDA	(Btmn)	3,195	3,406	3,092	3,244	3,533	3,065	2,506	2,176
<b>Core EPS</b>	<b>(Btmn)</b>	<b>0.31</b>	<b>0.23</b>	<b>0.31</b>	<b>0.12</b>	<b>0.27</b>	<b>0.13</b>	<b>0.06</b>	<b>0.00</b>
Net EPS	(Bt)	0.39	0.19	0.22	0.23	0.39	0.17	0.07	0.01

### Balance Sheet

FY December 31	Unit	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q21
Total current assets	(Btmn)	30,985	30,397	29,879	30,118	34,489	38,854	41,058	39,268
Total fixed assets	(Btmn)	95,182	96,581	100,817	103,033	104,658	103,658	108,139	113,130
<b>Total assets</b>	<b>(Btmn)</b>	<b>126,167</b>	<b>126,978</b>	<b>130,696</b>	<b>133,151</b>	<b>139,147</b>	<b>142,512</b>	<b>149,198</b>	<b>152,398</b>
Total loans	(Btmn)	62,163	69,611	78,001	78,979	84,703	88,517	95,693	96,633
Total current liabilities	(Btmn)	22,803	23,339	26,993	28,257	24,116	15,251	12,724	13,180
Total long-term liabilities	(Btmn)	66,588	65,895	64,399	63,749	73,960	87,043	95,658	96,753
<b>Total liabilities</b>	<b>(Btmn)</b>	<b>89,391</b>	<b>89,234</b>	<b>91,392</b>	<b>92,006</b>	<b>98,077</b>	<b>102,295</b>	<b>108,382</b>	<b>109,933</b>
Paid-up capital	(Btmn)	5,214	5,214	5,214	5,214	5,214	5,214	5,214	5,214
<b>Total equity</b>	<b>(Btmn)</b>	<b>26,746</b>	<b>27,181</b>	<b>27,470</b>	<b>28,975</b>	<b>28,788</b>	<b>29,414</b>	<b>29,471</b>	<b>30,628</b>
<b>BVPS</b>	<b>(Bt)</b>	<b>10.26</b>	<b>10.43</b>	<b>10.54</b>	<b>11.11</b>	<b>11.04</b>	<b>11.28</b>	<b>11.31</b>	<b>8.85</b>

### Cash Flow Statement

FY December 31	Unit	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q21
Core Profit	(Btmn)	816	603	797	309	695	348	168	9
Depreciation and amortization	(Btmn)	1,394	1,394	1,383	1,301	1,307	1,291	1,240	1,207
Operating cash flow	(Btmn)	3,295	3,261	(3,772)	4,501	1,403	3,006	1,202	3,315
Investing cash flow	(Btmn)	(1,361)	(9,015)	(3,686)	(2,233)	(2,664)	(3,482)	(6,948)	(3,317)
Financing cash flow	(Btmn)	(4,352)	5,809	7,947	(769)	2,686	4,325	5,567	343
<b>Net cash flow</b>	<b>(Btmn)</b>	<b>(2,417)</b>	<b>55</b>	<b>489</b>	<b>1,499</b>	<b>1,425</b>	<b>3,850</b>	<b>(178)</b>	<b>341</b>

### Key Financial Ratios

FY December 31	Unit	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q21
Gross margin	(%)	19.7	21.9	21.8	22.3	22.6	18.2	12.7	8.8
Operating margin	(%)	15.3	17.6	16.2	18.3	19.0	14.7	9.4	6.2
EBITDA margin	(%)	28.4	30.5	30.0	31.0	30.8	26.2	19.4	14.7
EBIT margin	(%)	16.0	18.0	16.6	18.6	19.4	15.1	9.8	6.6
Net profit margin	(%)	9.0	4.5	5.6	5.8	8.9	3.8	1.5	0.2
ROE	(%)	12.2	8.9	11.7	4.4	9.6	4.8	2.3	0.1
ROA	(%)	2.5	1.9	2.5	0.9	2.0	1.0	0.5	0.0
Net D/E	(x)	1.6	1.8	2.1	2.0	2.1	2.1	2.3	2.3
Interest coverage	(x)	9.8	3.5	8.9	2.4	3.7	2.5	3.2	2.5
Debt service coverage	(x)	2.7	0.9	0.6	0.5	0.7	1.0	1.0	1.0

### Key Statistics

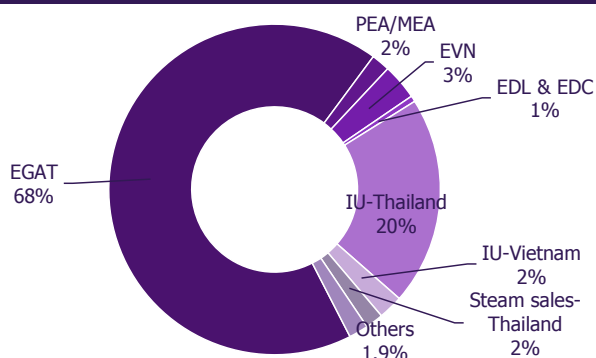
FY December 31	Unit	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q21
Electricity sales - EGAT	(GWh)	2,557	2,507	2,384	2,300	2,516	2,445	2,439	2,212
Electricity sales - IU (Thailand)	(GWh)	563	721	764	814	831	844	825	871
Steam sales - IU (Thailand)	('000 tons)	189	238	253	248	240	284	217	238
Electricity tariff - IU (Thailand)	(Bt/KWh)	3.32	3.28	3.24	3.23	3.23	3.27	3.28	3.46
Steam price - IU (Thailand)	(Bt/ton)	1,057	935	916	808	786	734	929	1,070
Effective gas cost	(Bt/mmbtu)	262	235	214	221	239	268	335	442

Figure 1: BGRIM – 1Q22 earnings review

	1Q21	4Q21	1Q22	YoY%	QoQ%
<b>P&amp;L (Bt, mn)</b>					
Total revenue	10,453	12,903	14,758	41.2	14.4
Gross profit	2,326	1,639	1,300	(44.1)	(20.7)
EBITDA	3,244	2,506	2,176	(32.9)	(13.2)
Core profit	309	168	9	(97.0)	(94.4)
<b>Net profit</b>	<b>611</b>	<b>195</b>	<b>23</b>	<b>(96.2)</b>	<b>(88.1)</b>
EPS (Bt)	0.23	0.07	0.01	(97.1)	(91.0)
<b>B/S (Bt, mn)</b>					
Total assets	133,151	149,198	152,398	14.5	2.1
Total liabilities	92,006	108,382	109,933	19.5	1.4
Total equity	41,145	40,816	42,465	3.2	4.0
BVPS (Bt)	11.11	11.31	8.85	(20.4)	(21.7)
<b>Financial ratio</b>					
Gross margin (%)	22.3	12.7	8.8	(13.4)	(3.9)
EBITDA margin (%)	31.0	19.4	14.7	(16.3)	(4.7)
Net profit margin (%)	5.8	1.5	0.2	(5.7)	(1.4)
ROA (%)	0.9	0.5	0.0	(0.9)	(0.4)
ROE (%)	4.4	2.3	0.1	(4.2)	(2.2)
D/E (X)	2.2	2.7	2.6	35.3	(6.7)

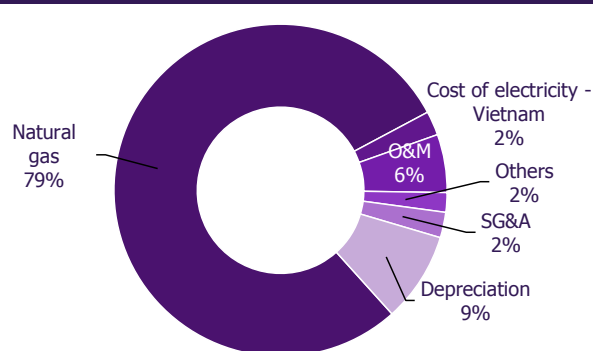
Source: BGRIM, SCBS Investment Research

Figure 2: Revenue breakdown by customer (1Q22)



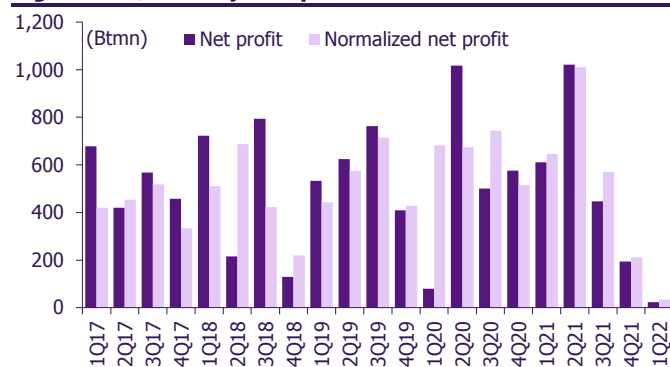
Source: BGRIM, SCBS Investment Research

Figure 3: Cost structure (1Q22)



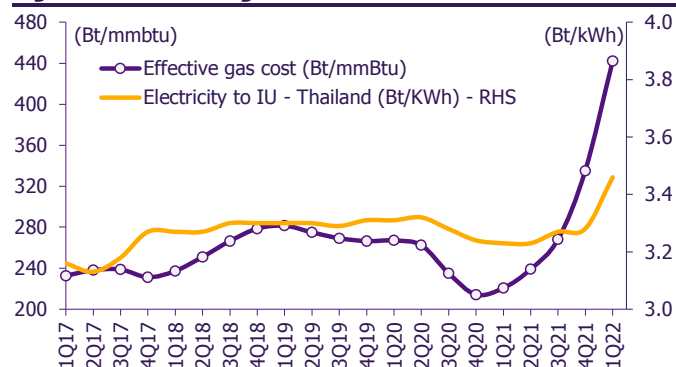
Source: BGRIM, SCBS Investment Research

Figure 4: Quarterly net profit



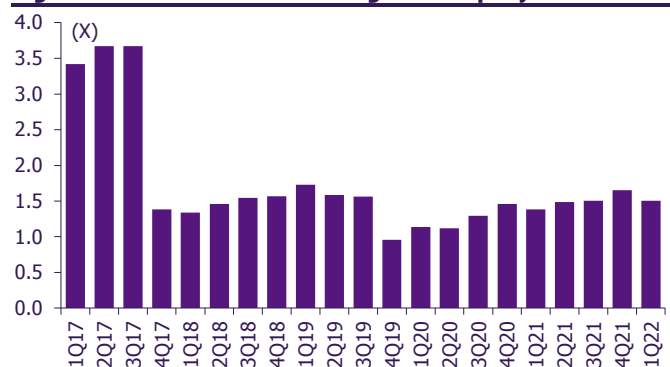
Source: BGRIM, SCBS Investment Research

Figure 5: Effective gas cost vs. tariff to IU



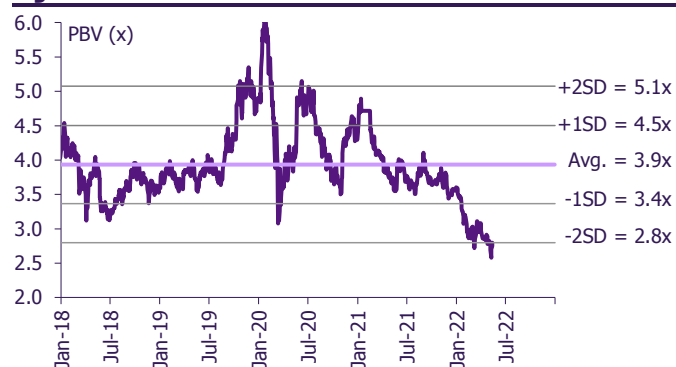
Source: BGRIM, SCBS Investment Research

Figure 6: Net interest-bearing debt/Equity



Source: BGRIM, SCBS Investment Research

Figure 7: PBV band



Source: Bloomberg Finance LP, SCBS Investment Research

**Disclaimer**

The information in this report has been obtained from sources believed to be reliable. However, its accuracy or completeness is not guaranteed. Any opinions expressed herein reflect our judgment at this date and are subject to change without notice. This report is for information only. It is not to be construed as an offer, or solicitation of an offer to sell or buy any securities. We accept no liability for any loss arising from the use of this document. We or our associates may have an interest in the companies mentioned therein.

SCB Securities Company Limited ("SCBS") is a wholly-owned subsidiary of The Siam Commercial Bank Public Company Limited ("SCB"). Any information related to SCB is for sector comparison purposes.

This document is prepared by SCB Securities Company Limited ("SCBS") which is wholly-owned by the Siam Commercial Bank Public Company Limited ("SCB"). SCB acts as financial advisor of the SCG Chemicals Public Company Limited (SCGC). Any opinions, news, research, analyses, prices, statements, forecasts, projections and/or other information contained in this document (the "Information") is provided as general information purposes only and shall not be construed as individualized recommendation of an offer to buy or sell or the solicitation of an offer to buy or sell any securities. SCBS and/or its directors, officers and employees shall not be liable for any direct, indirect, incidental, special or consequential loss or damage, resulting from the use of or reliance on the Information, including without limitation to, damages for loss of profits. The investors shall use the Information in association with other information and opinion, including their own judgment in making investment decision. The Information is obtained from sources believed to be reliable, and SCBS cannot guarantee the accuracy, completeness and/or correctness of the Information.

This document is prepared by SCB Securities Company Limited ("SCBS") which is wholly-owned by The Siam Commercial Bank Public Company Limited ("SCB"). SCB may be appointed to act as financial advisor in relation to transactions to be carried out by Thai Oil Company Limited. Any opinions, news, research, analyses, prices, statements, forecasts, projections and/or other information contained in this document (the "Information") is provided as general information purposes only and shall not be construed as individualized recommendation of an offer to buy or sell or the solicitation of an offer to buy or sell any securities. SCBS and/or its directors, officers and employees shall not be liable for any direct, indirect, incidental, special or consequential loss or damage, resulting from the use of or reliance on the Information, including without limitation to, damages for loss of profits. The investors shall use the Information in association with other information and opinion, including their own judgment in making investment decision. The Information is obtained from sources believed to be reliable, and SCBS cannot guarantee the accuracy, completeness and/or correctness of the Information.

This document is prepared by SCB Securities Company Limited ("SCBS") which is wholly-owned by The Siam Commercial Bank Public Company Limited ("SCB"). SCB has acted as Financial Advisor, Lead Arranger of Global Power Synergy Public Company Limited. Any opinions, news, research, analyses, prices, statements, forecasts, projections and/or other information contained in this document (the "Information") is provided as general information purposes only, and shall not be construed as individualized recommendation of an offer to buy or sell or the solicitation of an offer to buy or sell any securities. SCBS and/or its directors, officers and employees shall not be liable for any direct, indirect, incidental, special or consequential loss or damage, resulting from the use of or reliance on the Information, including without limitation to, damages for loss of profits. The investors shall use the Information in association with other information and opinion, including their own judgment in making investment decision. The Information is obtained from sources believed to be reliable, and SCBS cannot guarantee the accuracy, completeness and/or correctness of the Information.

This document is prepared by SCB Securities Company Limited ("SCBS") which is wholly-owned by The Siam Commercial Bank Public Company Limited ("SCB"). SCB Asset Management Company Limited ("SCBAM") which is wholly-owned by The Siam Commercial Bank Public Company Limited ("SCB"). SCB has acted as Financial Advisor of Digital Telecommunications Infrastructure Fund. SCBAM has acted as Fund Manager of Digital Telecommunications Infrastructure Fund. Any opinions, news, research, analyses, prices, statements, forecasts, projections and/or other information contained in this document (the "Information") is provided as general information purposes only, and shall not be construed as individualized recommendation of an offer to buy or sell or the solicitation of an offer to buy or sell any securities. SCBS and/or its directors, officers and employees shall not be liable for any direct, indirect, incidental, special or consequential loss or damage, resulting from the use of or reliance on the Information, including without limitation to, damages for loss of profits. The investors shall use the Information in association with other information and opinion, including their own judgment in making investment decision. The Information is obtained from sources believed to be reliable, and SCBS cannot guarantee the accuracy, completeness and/or correctness of the Information.

SCBS reserves the right to modify the Information from time to time without notice and in its sole discretion. This document is delivered to intended recipient(s) only and is not permitted to reproduce, retransmit, disseminate, sell, distribute, republish, circulate or commercially exploit the Information in any manner without the prior written consent of SCBS.

Futures and Options trading carry a high level of risk with the potential for substantial losses, and are not suitable for all persons. Before deciding to trade Futures and Options, you should carefully consider your financial position, investment objectives, level of experience, and risk appetite if Futures and Options trading are appropriate. The possibility exists that you could sustain a loss of some or all of your initial investment. You should be aware of all the risks associated with Futures and Options trading, and you are advised to rely on your own judgment while making investment decision and/or should seek advice from professional investment advisor if you have any doubts.

This document is delivered to intended recipient(s) only and is not permitted to reproduce, retransmit, disseminate, sell, distribute, republish, circulate or commercially exploit the Information in any manner without the prior written consent of SCBS.

Copyright©2012 SCB Securities Company Limited. All rights reserved.

## CG Rating 2021 Companies with CG Rating

### Companies with Excellent CG Scoring

AAV, ADVANC, AF, AH, AIRA, AKP, AKR, ALT, AMA, AMATA, AMATAV, ANAN, AOT, AP, ARIP, ARROW, ASP, AUCTION, AWC, AYUD, BAFS, BANPU, BAY, BBL, BCP, BCPG, BDMS, BEM, BGC, BGRIM, BIZ, BKI, BOL, BPP, BRR, BTS, BTW, BWG, CENTEL, CFRESH, CHEWA, CHO, CIMBT, CK, CKP, CM, CNT, COM7, COMAN, COTTO, CPALL, CPF, CPI, CPN, CRC, CSS, DDD, DELTA, DEMCO, DRT, DTAC, DUSIT, EA, EASTW, ECF, ECL, EE, EGCO, EPG, ETC, FPI, FPT, FSMART, GBX, GC, GCAP, GFPT, GGC\*, GLAND, GLOBAL, GPI, GPSC, GRAMMY, GULF, GUNKUL, HANA, HARN, HMPRO, ICC, ICHI, III, ILINK, ILM, INTUCH, IP, IRPC, ITEL, IVL, JSP, JWD, K, KBANK, KCE, KKP, KSL, KTB, KTC, LALIN, LANNA, LH, LHFG, LIT, LPN, MACO, MAJOR, MAKRO, MALEE, MBK, MBKET, MC, MCOT, METCO, MFEC, MINT, MONO, MOONG, MSC, MTC, MVP, NCL, NEP, NER, NKI, NOBLE, NSI, NVD, NWR, NYT, OISHI, OR, ORI, OSP, OTO, PAP, PCSGH, PDG, PDJ, PG, PHOL\*, PLANB, PLANET, PLAT, PORT, PPS, PR9, PREB, PRG, PRM, PROUD, PSH, PSL, PTG, PTT, PTTEP, PTTCG, PYLON, Q-CON, QH, QTC, RATCH, RS, S, S & J, SAAM, SABINA, SAMART, SAMTEL, SAT, SC, SCB, SCC, SCCC, SCG, SCGP, SCM, SDC, SEAFSCO, SEAOIL, SE-ED, SELIC, SENA, SHR, SIRI, SIS, SITHAI, SMK, SMPC, SNC, SONIC, SPALI, SPI, SPRC, SPVI, SSSC, SST, STA, STEC\*, STI, SUN, SUSCO, SUTHA, SVI\*, SYMC, SYNTEC, TACC, TASCO, TCAP, TEAMG, TFMAMA, TGH, THANA, THANI, THCOM, THG, THIP, THRE, THREL, TIP<sup>1</sup>, TIPCO, TISCO, TK, TKT, TMT, TNDT, TNITY, TOA, TOP, TPBI, TQM, TRC, TRU, TRUE, TSC, TSR, TSTE, TSTH, TTA, TTB, TTCL, TU, TVD, TVI, TVO, TWPC, U, UAC, UBIS, UV, VGI, VIH, WACOAL, WAVE, WHA, WHAUP, WICE, WINNER, ZEN

### Companies with Very Good CG Scoring

2S, 7UP, ABICO, ABM, ACE, ACG, ADB, AEONTS, AGE, AHC, AIT, ALL, ALLA, ALUCON, AMANAH, AMARIN, APCO, APCS, APURE, AQUA, ASEFA, ASIAN, ASK, ATP30, BA, BC, BEC, BFIT, BJCHI, BR, CBG, CGH, CHAYO, CHOTI, CI, CMC, CPL, CRD, CSP, DCC, ASAP, ASIA, ASIMAR, ASN, B, BAM, BCH, BEYOND, BJC, BLA, BROOK, CEN, CHARAN, CHG, CHOW, CIG, COLOR, CPW, CSC, CWT, DCON, DHOUSE, DOD, DOHOME, DV8, EASON, EFORL, ERW, ESSO, ESTAR, ETE, FE, FLOYD, FN, FNS, FORTH, FSS, FTE, FVC, GEL, GENCO, GJS, GYT, HEMP, HPT, HTC, HYDRO, ICN, IFS, IMH, IND, INET, INSET, INSURE, IRC, IRCP, IT, ITD\*, J, JAS, JCK, JCKH, JMART, JMT, KBS, KCAR, KEX, KGI, KIAT\*, KISS, KOOL, KTIS, KUMWEL, KUN, KWC, KWM, L&E, LDC, LEO, LHK, LOXLEY, LRH, LST, M, MATCH, MBAX, MEGA, META, MFC\*, MGT, MICRO, MILL, MITSIB, MK, MODERN, MTI, NBC, NCAP, NCH, NETBAY, NEX, NINE, NRF, NTV, OGC, OG, PATO, PB, PICO, PIMO, PJW, PL, PM, PMTA, PPM, PPPM, PRIME, PRIN, PRINC, PSTC, PT, QLT, RBF, RCL, RICHY, RML, ROJNA, RPC, RT, RWI, S11, SA, SAK, SALEE, SAMCO, SANKO, SAPPE, SAWAD, SCI, SCN, SCP, SE, SFLEX, SFP, SFT, SGF, SIAM, SINGER, SKE, SKN, SKR, SKY, SLP, SMIT, SMT, SNP, SO, SORKON, SPA, SPC, SPCG, SR, SRICHA, SSC, SSF, STANLY, STGT, STOWER\*, STPI, SUC, SWC, SYNEX, T, TAE, TAKUNI, TBSP, TCC, TCMC, TEAM, TFG, TFI, TIGER, TITLE, TKN, TKS, TM, TMC, TMD, TMI, TMILL, TNL, TNP, TOG, TPA, TPAC, TPCS, TPS, TRITN, TRT, TSE, TVT, TWP, UEC, UMI, UOBKH, UP, UPF, UPOIC, UTP, VCOM, VL, VNT, VPO, VRANDA, WGE, WIJK, WP, XO, XPG, YUASA

### Companies with Good CG Scoring

A, AI, AIE, AJ, AMC, APP, AQ, ARIN, AS, AU, B52, BEAUTY, BGT, BH, BIG, BLAND, BM, BROCK, BSBM, BSM, BYD\*, CCP, CITY, CMO, CPT, CSR, EKH, EP, FMT, GLOCON\*, GSC, HTECH, IHL, INGRS, JAK, JTS, KASET, KK, KWG, LEE, BTNC, CAZ, CGD, CMAN, CMR, CRANE, D, EMC, F&D, GIFT, GREEN, GTB, HUMAN, IIG, INOX, JR, JUBILE, KCM, KKC, KYE, LPH, MATI, M-CHAI, MCS, MDX, MJD, MORE, MUD, NC, NDR, NFC, NNCL, NOVA, NPK, NUSA, OCEAN, PAF, PF, PK, PLE, PPM, PRAKIT, PRAPAT, PRECHA, PTL, RCI<sup>2</sup>, RJH, RP, RPH, RSP, SABUY, SF, SGP, SICT, SIMAT, SISB, SK, SMART, SOLAR, SPACK, SPG, SQ, SSP, STARK, STC, SUPER, SVOA, TC, TCCC, THMUI, TNH, TNR, TOPP, TPCH, TPIPL, TPIPP, TPLAS, TPOLY, TQR, TTI, TYCN, UKEM, UMS, UNIQ, UPA, UREKA, VIBHA, W, WIN, WORK, WPH, YGG, ZIGA

### Corporate Governance Report

The material contained in this publication is for general information only and is not intended as advice on any of the matters discussed herein. Readers and others should perform their own independent analysis as to the accuracy or completeness or legality of such information. The Thai Institute of Directors, its officers, the authors and editor make no representation or warranty as to the accuracy, completeness or legality of any of the information contained herein. By accepting this document, each recipient agrees that the Thai Institute of Directors Association, its officers, the authors and editor shall not have any liability for any information contained in, or for any omission from, this publication.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. SCB Securities Company Limited does not conform nor certify the accuracy of such survey result.

To recognize well performers, the list of companies attaining "Good", "Very Good" and "Excellent" levels of recognition

(Not including listed companies qualified in the "no announcement of the results" clause from 1 January 2020 to 26 October 2021) is publicized.

<sup>1</sup> TIP was voluntarily delisted from the Stock Exchange of Thailand effectively on July 24, 2021

<sup>2</sup> RCI was voluntarily delisted from the Stock Exchange of Thailand, effectively on July 16, 2021

\* บริษัทหรือกรรมการหรือผู้บริหารของบริษัทที่มีข่าวด้านการกำกับดูแลกิจการ เช่น การกระทำความผิดเกี่ยวกับหลักทรัพย์ การทุจริต คอร์รัปชัน เป็นต้น ซึ่งการใช้ข้อมูล CGR ควรระมัดระวังข่าวดังกล่าวประกอบด้วย

### Anti-corruption Progress Indicator

#### Certified (ได้รับการรับรอง)

2S, 7UP, ADVANC, AF, AI, AIE, AIRA, AKP, AMA, AMANAH, AMATA, AMATAV, AP, APCS, AQUA, ARROW, AS, ASIAN, ASK, ASP, AWC, AYUD, B, BAFS, BAM, BANPU, BAY, BBL, BCH, BCP, BCPG, BE8, BEYOND, BGC, BGRIM, BJCHI, BKI, BLA, BPP, BROOK, BRR, BSBM, BTS, BWG, CEN, CENTEL, CFRESH, CGH, CHEWA, CHOTI, CHOW, CIG, CIMBT, CM, CMC, COM7, COTTO, CPALL, CPF, CPI, CPN, CSC, DCC, DELTA, DEMCO, DIMET, DRT, DTAC, DUSIT, EA, EASTW, ECL, EGCO, EP, EPG, ERW, ESTAR, ETE, FE, FNS, FPI, FPT, FSMART, FSS, FTE, GBX, GC, GCAP, GEL, GFPT, GGC, GJS, GPI, GPSC, GSTEEL, GULF, GUNKUL, HANA, HARN, HEMP, HENG, HMPRO, HTC, ICC, ICHI, IFEC, IFS, ILINK, INET, INSURE, INTUCH, IRC, IRPC, ITEL, IVL, JKN, JR, K, KASET, KBANK, KBS, KCAR, KCE, KGI, KKP, KSL, KTB, KTC, KWC, KWI, L&E, LANNA, LH, LHFG, LHK, LPN, LRH, M, MAKRO, MALEE, MATCH, MBAX, MBK, MC, MCOT, META, MFC, MFEC, MILL, MINT, MONO, MOONG, MSC, MST, MTC, MTI, NBC, NEP, NINE, NKI, NMG, NNCL, NOBLE, NOK, NSI, NWR, OCC, OGC, ORI, PAP, PATO, PB, PCSGH, PDG, PDJ, PE, PG, PHOL, PK, PL, PLANB, PLANET, PLAT, PM, PPP, PPPM, PPS, PR9, PREB, PRG, PRINC, PRM, PROS, PSH, PSL, PSTC, PT, PTECH, PTG, PTT, PTTEP, PTTCG, PYLON, Q-CON, QH, QLT, QTC, RATCH, RML, RWI, S & J, SAAM, SABINA, SAPPE, SAT, SC, SCC, SCCC, SCG, SCGP, SCM, SCN, SEAOIL, SE-ED, SELIC, SENA, SGP, SINGER, SIRI, SITHAI, SKR, SMIT, SMK, SMPC, SNC, SNP, SORKON, SPACK, SPALI, SPC, SPI, SPRC, SRICHA, SSF, SSP, SSSC, SST, STA, STOWER, SUSCO, SVI, SYMC, SYNTEC, TAE, TAKUNI, TASCO, TCAP, TCMC, TFG, TFI, TFMAMA, TGH, THANI, THCOM, THIP, THRE, THREL, TIDOR, TIPCO, TISCO, TKS, TKT, TMD, TMILL, TMT, TNITY, TNL, TNP, TOG, TOP, TOPP, TPA, TPCS, TPP, TRU, TRUE, TSC, TSTE, TSTH, TTA, TTB, TTCL, TU, TVD, TVI, TVO, TWPC, U, UBE, UBIS, UEC, UKEM, UOBKH, UPF, UV, VGI, VIH, WACOAL, WHA, WHAUP, WICE, WIJK, XO, YUASA, ZEN, ZIGA

#### Declared (ประกาศเจตนารมณ์)

AH, AJ, ALT, APCO, B52, BEC, CHG, CI, CPL, CPR, CPW, CRC, DDD, DHOUSE, DOHOME, ECF, EKH, ETC, EVER, FLOYD, III, ILM, INOX, JTS, KEX, KUMWEL, LDC, MAJOR, MEGA, NCAP, NOVA, NRF, NUSA, NYT, OR, PIMO, PLE, RS, SAK, SIS, STECH, STGT, SUPER, TKN, TMI, TQM, TSI, VARO, VCOM, VIBHA, WIN

#### N/A

3K-BAT, A, A5, AAV, ABICO, ABM, ACAP, ACC, ACE, ACG, ADB, ADD, AEONTS, AFC, AGE, AHC, AIT, AJA, AKR, ALL, ALLA, ALPHAX, ALUCON, AMARIN, AMC, AMR, ANAN, AOT, APEX, APP, APURE, AQ, ARIN, ARIP, ASAP, ASEFA, ASIA, ASIMAR, ASN, ASW, ATP30, AU, AUCTION, BA, BBGI, BBK, BC, BCT, BDMS, BEAUTY, BEM, BFIT, BGT, BH, BIG, BIS, BIZ, BJC, BKD, BLAND, BLISS, BM, BOL, BR, BRI, BROCK, BSM, BTNC, BTW, BUI, BYD, CAZ, CBG, CCET, CCP, CEYE, CGD, CHARAN, CHAYO, CHO, CITY, CIVIL, CK, CKP, CMAN, CMO, CMR, CNT, COLOR, COMAN, CPANEL, CPH, CPT, CRANE, CRD, CSP, CSR, CSS, CTW, CV, CWT, D, DCON, DITTO, DMT, DOD, DPAINT, DTICI, DV8, EASON, EE, EFORL, EMC, ESSO, F&D, FANCY, FMT, FN, FORTH, FTI, FVC, GENCO, GIFT, GL, GLAND, GLOBAL, GLOCON, GLORY, GRAMMY, GRAND, GREEN, GSC, GTB, GYT, HFT, HL, HPT, HTECH, HUMAN, HYDRO, ICN, IHL, IIG, IMH, IND, INGRS, INSET, IP, IRCP, IT, ITD, J, JAK, JAS, JCK, JCKH, JCT, JDF, JMART, JMT, JP, JUBILE, JUTHA, JWD, KAMART, KC, KCC, KCM, KDH, KIAT, KISS, KK, KKC, KOOL, KTIS, KUN, KWM, KYE, LALIN, LEE, LEO, LIT, LOXLEY, LPH, LST, MACO, MANRIN, MATI, MAX, M-CHAI, MCS, MDX, MENA, METCO, MGT, MICRO, MIDA, MITSIB, MJD, MK, ML, MODERN, MORE, MPIC, MUD, MVP, NC, NCL, NDR, NER, NETBAY, NEW, NEWS, NEX, NFC, NPK, NSL, NTV, NV, NVD, OHTL, OISHI, ONEE, OSP, OTO, PACE, PACO, PAE, PAF, PEACE, PERM, PF, PICO, PIN, PJW, PLUS, PMTA, POLAR, POMPU, PORT, POST, PPM, PRAKIT, PRAPAT, PRECHA, PRIME, PRIN, PRO, PROEN, PROUD, PSG, PTC, PTL, RAM, RBF, RCL, RICHY, RJH, ROCK, ROH, ROJNA, RP, RPC, RPH, RSP, RT, S, S11, SA, SABUY, SAFARI, SALEE, SAM, SAMART, SAMCO, SAMTEL, SANKO, SAUCE, SAWAD, SAWANG, SCB, SCI, SCP, SDC, SE, SEAFSCO, SECURE, SENAI, SF, SFLEX, SFP, SFT, SGF, SHANG, SHR, SIAM, SICT, SIMAT, SISB, SK, SKE, SKN, SKY, SLM, SLP, SMART, SMD, SMT, SNPN, SO, SOLAR, SONIC, SPA, SPCG, SPG, SPVI, SQ, SR, SSC, SSS, STANLY, STARK, STC, STEC, STHAI, STI, STPI, SUC, SUN, SUTHA, SVH, SVOA, SVT, SWC, SYNEX, TACC, TAPAC, TC, TCC, TCCC, TCJ, TCOAT, TEAM, TEAMG, TFM, TGPRO, TH, THAI, THANA, THE, THG, THL, THMUI, TIGER, TIPH, TITLE, TK, TKC, TM, TMC, TMD, TNDT, TNH, TNPC, TOA, TPAC, TPBI, TPCH, TPIPL, TPIPP, TPLAS, TPOLY, TPS, TQR, TR, TRC, TRITN, TRT, TRUBB, TRV, TSE, TSF, TSR, TTI, TTT, TTW, TVT, TWP, TWZ, TYCN, UAC, UMI, UMS, UNIQ, UP, UPA, UPOIC, UREKA, UTP, UVAN, VL, VNG, VPO, VRANDA, W, WAVE, WFX, WGE, WINMED, WINNER, WORK, WORLD, WP, WPH, XPG, YGG

#### Explanations

Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of April 5, 2022) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.