

Global Power Synergy

Global Power Synergy
Public Company Limited

GPSC

Bloomberg
Reuters

GPSC.TB
GPSC.BK



4Q23: Reflects lower demand QoQ

GPSC's net profit fell 73% QoQ to Bt478mn but turned around from a loss of Bt436mn in 4Q22, in line with market expectations. The QoQ drop is from seasonally lower industrial electricity demand. This was offset by insurance compensation of Bt426mn for GHECO-One and Sri Racha Power plant. Adjusted net profit is Bt950mn - falling 58% QoQ but surging from only Bt21mn in 4Q22. 2023 net profit grew >100% YoY driven by better SPP margin. We believe the worst is behind us and SPP margin will continue to improve. We cut TP from Bt75 to Bt70 to reflect more cautious SPP assumptions. Maintain Neutral.

Higher profit from IPP despite zero dispatch from GHECO-One. Operating profit for the IPP segment fell 10% YoY and 19% QoQ on lower availability for Sri Racha and Glow IPP QoQ; GHECO-One was fully available but dispatched no electricity due to high energy cost. This led to an 8% QoQ drop in availability revenue but still an increase of 31% YoY. Electricity dispatch from GPSC's IPP power plants dropped 93% YoY and 25% QoQ, but had no significant impact on IPP earnings.

SPP earnings up sharply YoY. SPP profit leapt 185% YoY, though fell 35% on seasonality. The strong YoY recovery reflects a better gross margin at 18% in 4Q23 vs. only 5% in 4Q22 as gas price (-64% YoY) declined at a faster pace than electricity tariff rate (-25% YoY) at Bt3.44/kWh. Note that the average Ft rate was cut from Bt0.6762/kWh in 3Q23 to Bt0.2048/kWh. Sales volume edged up 1% YoY on higher electricity sales to industrial users (+4% YoY), though slipped 9% QoQ on planned shutdowns by industrial customers.

Profit from associates down QoQ on seasonality. Profit from associates fell 21% YoY and 55% QoQ on lower contribution from Xayaburi hydropower (25% interest) due to a lower water flow in 4Q23, though this was partly offset by lower FX loss. Profit sharing from offshore wind power in Taiwan turned around from a loss in 3Q23 to profit of Bt213mn from higher electricity generation, with 12 turbines in operation. This was offset by an 18% QoQ fall in profit from the solar project in India (Avaada Energy, AEPL, 42% interest) to Bt14mn, bringing 2023 cumulative profit to Bt304mn, falling short of guidance. Total operating capacity grew to nearly 4GW (end-2023) from 3.8GW (end-2022). Financing cost burden at AEPL remained high for capacity under development.

2024 outlook. We maintain our positive view, underwritten by lower pressure from energy cost and better contribution from conventional power. We expect improved operations at Glow Energy Phase 5 and GHECO-One as maintenance shutdowns in 2023 improved efficiency and reduced potential unplanned outages; this will fuel 2H23 earnings. Pressure from energy cost is expected to subside in 2024 for both natural gas and coal, which will align with Ft rate adjustments throughout the year. We expect profit contribution from overseas renewable business to increase YoY given more operating capacity in India (solar) and Taiwan (offshore wind).

Earnings forecast revised down. Despite the better outlook, we cut our net profit forecast for 2024 by 29% and 2025 by 22% to reflect more caution on operating margin, especially for SPPs. We expect a strong recovery in core profit in 2024F, though less robust than earlier. We cut our DCF-based TP (end-2024) to Bt70 from Bt75.

Key risks: Higher than expected fuel cost, delays in Ft adjustment, lower return on new investments and regulatory changes regarding GHG emissions. Key ESG risk the environmental impact from its exposure to fossil fuels and how the company adapts during the transition to clean energy.

Forecasts and valuation

Year to 31 Dec	Unit	2022	2023	2024F	2025F	2026F
Revenue	(Btmn)	123,685	90,303	98,669	91,906	91,413
EBITDA	(Btmn)	12,895	18,639	23,549	18,108	18,362
Core profit	(Btmn)	832	3,420	5,110	6,504	6,832
Reported profit	(Btmn)	891	3,694	5,110	6,504	6,832
Core EPS	(Bt)	0.30	1.21	1.81	2.31	2.42
DPS	(Bt)	0.50	0.70	0.90	1.20	1.20
P/E, core	(x)	172.7	42.1	28.1	22.1	21.1
EPS growth, core	(%)	(88.8)	310.8	49.4	27.3	5.0
P/BV, core	(x)	1.4	1.4	1.3	1.3	1.2
ROE	(%)	0.7	2.9	4.3	5.2	5.3
Dividend yield	(%)	1.0	1.4	1.8	2.4	2.4
EV/EBITDA	(x)	18.8	13.7	10.3	13.1	12.5

Source: InnovestX Research

Tactical: NEUTRAL (3-month)

Stock data

Last close (Feb 9) (Bt)	51.00
Target price (Bt)	70.00
Mkt cap (Btmn)	143.81
Mkt cap (US\$m)	4,006

Beta	L
Mkt cap (%) SET	0.84
Sector % SET	21.12
Shares issued (mn)	2,820
Par value (Bt)	10.00
12-m high / low (Bt)	72 / 37
Avg. daily 6m (US\$m)	13.27
Foreign limit / actual (%)	49 / 2
Free float (%)	24.8
Dividend policy (%)	≥ 30

Share performance

(%)	1M	3M	12M
Absolute	4.1	16.6	(25.5)
Relative to SET	6.0	16.7	(10.7)

Source: SET, InnovestX Research

2023 Sustainability / 2022 ESG Score

SET ESG Ratings	AA
-----------------	----

ESG Bloomberg Rank in the sector

ESG Score Rank	2/67
Environmental Score Rank	1/67
Social Score Rank	4/67
Governance Score Rank	5/67

ESG comment

GPSC's ESG score in 2022 was above sector average, with an outstanding environmental score and satisfactory social and governance score.

Source: Bloomberg Finance L.P.

Analyst

Chaipat Thanawattano

Fundamental Investment
Analyst on Securities
(66-2) 949-1005

chaipat.thanawattano@scb.co.th

Our view on ESG

We view that GPSC provides concrete targets on environmental and social issues with a committed timeline and actual performance relative to its targets. We view its management and governance as satisfactory, reflecting management's expertise and experience in the business, with a diverse board of directors and transparency with stakeholders.

ESG Disclosure Score

Bloomberg ESG Score	73.20 (2022)
Rank in Sector	2/67

CG Rating	DJSI	SETESG	SET ESG Ratings	
GPSC	5	Yes	Yes	AA

Source: Thai Institute of Directors (IOD), SET

Environmental Issue (E)

- GPSC has commitments to lessen CO₂ intensity by 35% by 2030, to achieve carbon neutrality by 2050, and to achieve Net Zero GHG emissions by 2060. The company also commits to raising the proportion of renewables to 50% by 2030. This could be achieved earlier than plan with the current proportion of 35%.
- GPSC enrolled in the Thailand Voluntary Emission Reduction Program (T-VER) by developing a solar farm project in Wangchan Valley and an RFD project in Rayong, which are expected to lower GHG emissions by a total of 20,993 tCO₂e, with no water was disposed to public sources.
- GPSC continues to invest in the battery business and other innovations to support the energy transition from fossil fuel to renewable power. The battery business will accommodate energy storage systems, batteries for electric vehicles. Other new S-curve businesses include digital energy businesses, hydrogen energy business, and carbon capture, utilization and storage.

Social Issue (S)

- GPSC continues to promote occupational health and safety in the workplace to ensure employee well-being with Zero Lost Time Injury Frequency Rate (LTIFR) in 2022.
- Community satisfaction rate increased to 78% in 2022, vs. target of >75% with no report of human rights violations complaints.
- GPSC manages strategic manpower planning and improves organizational structure and processes arising from mergers and acquisitions to support its rapid growth. In 2022, employee engagement rate was 69% and turnover rate of 5.76%, up from 3.16% in 2021.
- GPSC has adopted a 'Shift to Customer-Centric Solutions' Strategy, to accommodate customer demands through modernization of services, such as replacement of fossil fuel-based power generators with small-scale cleaner renewable-based power generating units. The customer satisfaction rate is 95% in 2022.

Governance Issue (G)

- GPSC's board of directors consists of 14 directors, 13 non-executive directors (92.86% of the entire Board), 6 independent directors, which exceeds half of the Board (42.86% of the entire Board), and an executive director. These include three female directors (21.43% of the entire Board).
- The company was rated "Excellent" (5 stars) by the Thai Institute of Directors for the sixth consecutive year in 2021.
- We view GPSC's management and governance as satisfactory, reflecting in part management's ability to plan and execute large projects, its experience and expertise, its transparency with stakeholders, and its independent board of directors.

ESG Disclosure Score

	2021	2022
ESG Disclosure Score	74.59	73.20
Environment	79.76	79.76
Emissions Reduction Initiatives	Yes	Yes
Climate Change Policy	Yes	Yes
GHG Scope 1	11,844.90	12,680.80
Biodiversity Policy	Yes	Yes
Energy Efficiency Policy	Yes	Yes
Total Energy Consumption	50,018.60	52,895.40
Social	54.08	49.91
Human Rights Policy	Yes	Yes
Equal Opportunity Policy	Yes	Yes
Health and Safety Policy	Yes	Yes
Fatalities - Employees	0.00	0.00
Total Recordable Incident Rate - Employees	0.09	0.00
Employee Turnover Pct	3.16	5.76
Governance	89.86	89.86
Size of the Board	15	13
Number of Board Meetings for the Year	12	16
Board Meeting Attendance Pct	100	96
Number of Female Executives	11	12
Number of Independent Directors	7	6
Board Duration (Years)	3	3

Source: Bloomberg Finance L.P.

Disclaimer

Bloomberg ESG Disclosure Scores rate companies on their level of disclosure of ESG data. Bloomberg offers four disclosure scores, for overall ESG, as well as Environmental, Social, and Governance. To review the fully transparent methodology, calculate disclosure scores for any company, and compare a company's scores vs its peers, see ESG Disclosure Score Model in Bloomberg.

Financial statement

Profit and Loss Statement

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Total revenue	(Btmn)	66,562	69,578	74,874	123,685	90,303	98,669	91,906	91,413
Cost of goods sold	(Btmn)	55,063	56,448	63,736	120,324	80,258	86,009	78,188	77,143
Gross profit	(Btmn)	11,499	13,129	11,138	3,361	10,045	12,660	13,717	14,270
SG&A	(Btmn)	2,184	1,951	2,963	2,310	2,709	2,763	2,818	2,875
Other income	(Btmn)	918	1,405	3,275	2,731	1,994	1,000	1,500	1,500
Interest expense	(Btmn)	5,140	4,024	3,860	4,299	5,297	5,604	5,449	5,167
Pre-tax profit	(Btmn)	5,094	8,560	7,590	(517)	4,033	5,293	6,950	7,728
Corporate tax	(Btmn)	247	993	1,192	(376)	507	814	1,021	1,464
Equity a/c profits	(Btmn)	837	924	1,536	1,539	1,008	1,801	1,805	1,858
Minority interests	(Btmn)	(1,940)	(982)	(522)	(566)	(1,115)	(1,171)	(1,229)	(1,291)
Core profit	(Btmn)	3,743	7,509	7,412	832	3,420	5,110	6,504	6,832
Extra-ordinary items	(Btmn)	317	(1)	(93)	59	275	0	0	0
Net Profit	(Btmn)	4,061	7,508	7,319	891	3,694	5,110	6,504	6,832
EBITDA	(Btmn)	17,312	21,290	20,681	12,895	18,639	23,549	18,108	18,362
Core EPS	(Btmn)	2.08	2.66	2.63	0.30	1.21	1.81	2.31	2.42
Net EPS	(Bt)	2.25	2.66	2.60	0.32	1.31	1.81	2.31	2.42
DPS	(Bt)	1.30	1.50	1.50	0.50	0.70	0.90	1.20	1.20

Balance Sheet

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Total current assets	(Btmn)	38,919	43,454	45,907	51,709	41,823	41,592	42,003	43,679
Total fixed assets	(Btmn)	213,097	213,202	224,889	237,101	239,880	232,478	231,921	230,566
Total assets	(Btmn)	252,017	256,656	270,796	288,810	281,703	274,071	273,924	274,246
Total loans	(Btmn)	106,088	104,315	101,632	112,785	125,807	114,836	110,474	106,112
Total current liabilities	(Btmn)	36,748	22,063	23,453	32,193	38,667	31,316	30,673	30,619
Total long-term liabilities	(Btmn)	105,093	122,726	129,595	141,516	125,511	121,149	116,787	112,426
Total liabilities	(Btmn)	141,841	144,789	153,048	173,710	164,178	152,465	147,461	143,044
Paid-up capital	(Btmn)	28,197	28,197	28,197	28,197	28,197	28,197	28,197	28,197
Total equity	(Btmn)	110,176	111,867	117,748	115,100	117,525	121,606	126,463	131,202
BVPS	(Bt)	35.78	36.49	38.42	37.14	37.66	38.69	39.98	41.20

Cash Flow Statement

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Core Profit	(Btmn)	69	7,509	7,412	832	3,420	5,110	6,504	6,832
Depreciation and amortization	(Btmn)	7,079	8,706	9,232	9,113	9,309	12,652	5,709	5,466
Operating cash flow	(Btmn)	17,314	20,630	15,838	2,934	23,203	19,246	12,925	11,916
Investing cash flow	(Btmn)	(82,047)	(7,370)	(19,543)	(14,092)	(14,050)	(4,943)	(4,945)	(3,194)
Financing cash flow	(Btmn)	77,912	(11,809)	(2,791)	11,601	(10,192)	(12,000)	(6,009)	(6,455)
Net cash flow	(Btmn)	13,179	1,450	(6,496)	443	(1,039)	2,304	1,972	2,267

Key Financial Ratios

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Gross margin	(%)	17.3	18.9	14.9	2.7	11.1	12.8	14.9	15.6
Operating margin	(%)	14.0	16.1	10.9	0.8	8.1	10.0	11.9	12.5
EBITDA margin	(%)	26.0	30.6	27.6	10.4	20.6	23.9	19.7	20.1
EBIT margin	(%)	15.4	18.1	15.3	3.1	10.3	11.0	13.5	14.1
Net profit margin	(%)	6.1	10.8	9.8	0.7	4.1	5.2	7.1	7.5
ROE	(%)	4.9	6.8	6.5	0.7	2.9	4.3	5.2	5.3
ROA	(%)	2.4	3.0	2.8	0.3	1.2	1.8	2.4	2.5
Net D/E	(x)	0.8	0.7	0.7	0.9	1.0	0.8	0.7	0.7
Interest coverage	(x)	3.4	5.3	5.4	3.0	3.5	4.2	3.3	3.6
Debt service coverage	(x)	0.5	1.3	1.6	0.7	0.6	0.9	0.7	0.7
Payout Ratio	(%)	57.7	56.3	57.8	158.2	53.4	49.7	52.0	49.5

Main Assumptions

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Equity capacity - Power	(MW)	4,747	4,752	5,703	6,316	6,461	7,382	7,892	7,892
Equity capacity - Steam	(t/h)	2,876	2,771	2,946	3,064	2,858	3,263	3,263	3,263
Sales of electricity - IPP	(GWh)	5,770	6,637	6,788	8,342	1,496	3,688	3,688	3,688
Sales of electricity - SPP	(GWh)	11,760	12,948	13,313	13,282	13,394	14,064	14,767	15,505
Steam sales - SPP	(kt)	12,821	13,871	15,090	14,510	13,161	15,287	16,051	16,854
Average gas price - SPP	(Bt/MMBTU)	281	252	265	492	407	350	320	300

Financial statement

Profit and Loss Statement

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Total revenue	(Btmn)	27,261	27,719	33,866	34,839	27,905	23,035	21,044	18,319
Cost of goods sold	(Btmn)	26,559	26,231	33,046	34,488	25,246	21,277	17,336	16,398
Gross profit	(Btmn)	702	1,489	820	351	2,659	1,758	3,708	1,921
SG&A	(Btmn)	421	457	422	1,010	496	637	607	969
Other income	(Btmn)	962	628	292	849	317	297	304	1,077
Interest expense	(Btmn)	974	1,046	1,069	1,210	1,242	1,342	1,359	1,353
Pre-tax profit	(Btmn)	269	613	(379)	(1,020)	1,237	76	2,045	675
Corporate tax	(Btmn)	(34)	53	(158)	(238)	105	(233)	500	134
Equity a/c profits	(Btmn)	143	432	683	281	113	175	496	223
Minority interests	(Btmn)	(64)	(124)	(70)	(308)	(201)	(207)	(318)	(389)
Core profit	(Btmn)	382	868	392	(809)	1,045	277	1,724	374
Extra-ordinary items	(Btmn)	(68)	(184)	(61)	372	73	33	66	103
Net Profit	(Btmn)	313	684	331	(436)	1,118	309	1,790	478
EBITDA	(Btmn)	3,480	3,952	2,980	2,483	4,686	3,776	5,791	4,387
Core EPS	(Btmn)	0.14	0.31	0.14	(0.29)	0.37	0.10	0.61	0.13
Net EPS	(Bt)	0.11	0.24	0.12	(0.15)	0.40	0.11	0.63	0.17

Balance Sheet

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Total current assets	(Btmn)	43,715	48,034	54,689	51,709	50,869	44,100	41,625	41,823
Total fixed assets	(Btmn)	224,732	222,757	238,171	237,101	236,413	240,206	244,021	239,880
Total assets	(Btmn)	268,447	270,791	292,860	288,810	287,282	284,306	285,646	281,703
Total loans	(Btmn)	98,075	106,242	113,001	112,785	115,456	114,980	110,060	125,807
Total current liabilities	(Btmn)	24,749	22,404	32,793	32,193	27,525	17,118	34,642	38,667
Total long-term liabilities	(Btmn)	125,457	131,920	142,929	141,516	144,495	150,330	132,266	125,511
Total liabilities	(Btmn)	150,206	154,324	175,722	173,710	172,020	167,448	166,908	164,178
Paid-up capital	(Btmn)	28,197	28,197	28,197	28,197	28,197	28,197	28,197	28,197
Total equity	(Btmn)	118,241	116,467	117,139	104,730	104,728	106,085	107,756	106,195
BVPS	(Bt)	38.56	37.86	38.05	33.46	33.41	33.80	34.32	33.64

Cash Flow Statement

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Core Profit	(Btmn)	382	868	392	(809)	1,045	277	1,724	374
Depreciation and amortization	(Btmn)	2,236	2,293	2,290	2,293	2,206	2,357	2,387	2,359
Operating cash flow	(Btmn)	7,564	(3,103)	(110)	(1,417)	9,031	2,523	7,149	4,500
Investing cash flow	(Btmn)	1,641	430	(15,055)	(1,108)	(4,165)	(3,495)	(5,999)	(391)
Financing cash flow	(Btmn)	(4,354)	3,665	11,914	377	1,839	(3,244)	(5,554)	(3,233)
Net cash flow	(Btmn)	4,851	991	(3,250)	(2,148)	6,705	(4,216)	(4,404)	876

Key Financial Ratios

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Gross margin	(%)	2.6	5.4	2.4	1.0	9.5	7.6	17.6	10.5
Operating margin	(%)	1.0	3.7	1.2	(1.9)	7.8	4.9	14.7	5.2
EBITDA margin	(%)	12.8	14.3	8.8	7.1	16.8	16.4	27.5	23.9
EBIT margin	(%)	4.6	6.0	2.0	0.5	8.9	6.2	16.2	11.1
Net profit margin	(%)	1.1	2.5	1.0	(1.3)	4.0	1.3	8.5	2.6
ROE	(%)	1.3	3.0	1.3	(2.9)	4.0	1.1	6.4	1.4
ROA	(%)	0.6	1.3	0.6	(1.1)	1.5	0.4	2.4	0.5
Net D/E	(x)	0.7	0.7	0.8	0.9	0.9	0.9	0.9	1.1
Interest coverage	(x)	3.6	3.8	2.8	2.1	3.8	2.8	4.3	3.2
Debt service coverage	(x)	1.1	1.1	0.7	0.5	1.0	1.2	2.2	0.5

Key Statistics

FY December 31	Unit	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Equity capacity - Power	(MW)	5,807	6,001	6,357	6,316	6,397	6,414	6,415	6,461
Equity capacity - Steam	(t/h)	2,946	2,948	2,948	3,064	2,858	2,858	2,858	2,858
Sales of electricity - IPP	(GWh)	2,074	1,774	1,982	2,515	838	247	236	176
Sales of electricity - SPP	(GWh)	3,138	3,480	3,502	3,162	3,350	3,329	3,521	3,194
Steam sales - SPP	(kt)	3,710	3,746	3,831	3,222	3,022	3,422	3,516	3,198
Average gas price - SPP	(Bt/MMBTU)	435	432	513	534	505	445	339	335

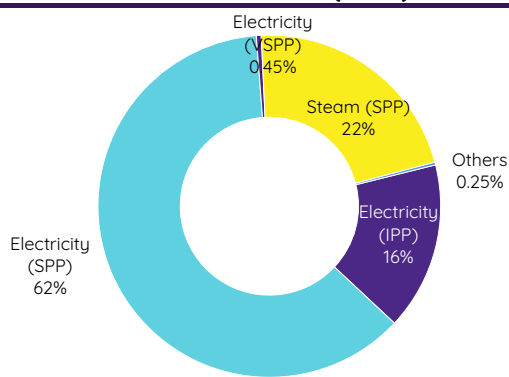
Figure 1: GPSC – 4Q23 earnings review

	4Q22	3Q23	4Q23	%YoY	%QoQ	12M22	12M23	%YoY
P&L (Bt, mn)								
Total revenue	34,839	21,044	18,319	(47.4)	(12.9)	123,685	90,303	(27.0)
Gross profit	351	3,708	1,921	447.1	(48.2)	3,361	10,045	198.9
EBITDA	2,483	5,791	4,387	76.7	(24.2)	12,895	18,639	44.6
Profit before extra items	(809)	1,724	374	n.a.	(78.3)	832	3,420	310.8
Net Profit	(436)	1,790	478	n.a.	(73.3)	891	3,694	314.4
EPS (Bt)	(0.15)	0.63	0.17	n.a.	(73.3)	0.32	1.31	314.4
B/S (Bt, mn)								
Total assets	288,810	285,646	281,703	(2.5)	(1.4)	288,810	281,703	(2.5)
Total liabilities	173,710	166,908	164,178	(5.5)	(1.6)	173,710	164,178	(5.5)
Total equity	115,100	118,738	117,525	2.1	(1.0)	115,100	117,525	2.1
BVPS (Bt)	33.46	34.32	33.64	0.5	(2.0)	33.46	33.64	0.5
Financial ratio (%)								
Gross margin (%)	1.0	17.6	10.5	9.5	(7.1)	2.7	11.1	8.4
EBITDA margin (%)	7.1	27.5	23.9	16.8	(3.6)	10.4	20.6	10.2
Net profit margin (%)	(1.3)	8.5	2.6	3.9	(5.9)	0.7	4.1	3.4
ROA (%)	(1.1)	2.4	0.5	1.6	(1.9)	0.3	1.3	1.0
ROE (%)	(2.9)	6.4	1.4	4.3	(5.0)	0.8	3.5	2.7
D/E (X)	1.5	1.4	1.4	(11.2)	(0.9)	1.5	1.4	(11.2)

Source: GPSC and InnovestX Research

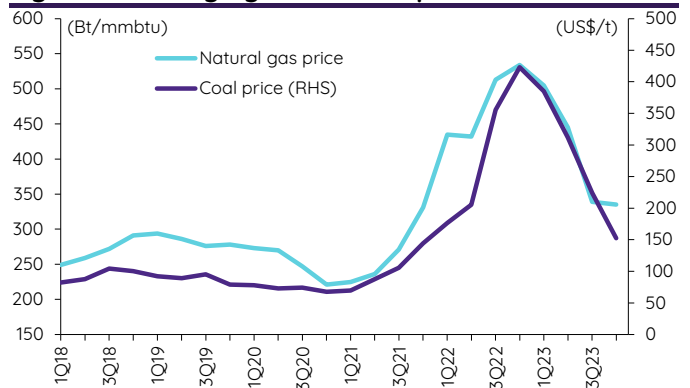
Appendix

Figure 2: Revenue breakdown (2023)



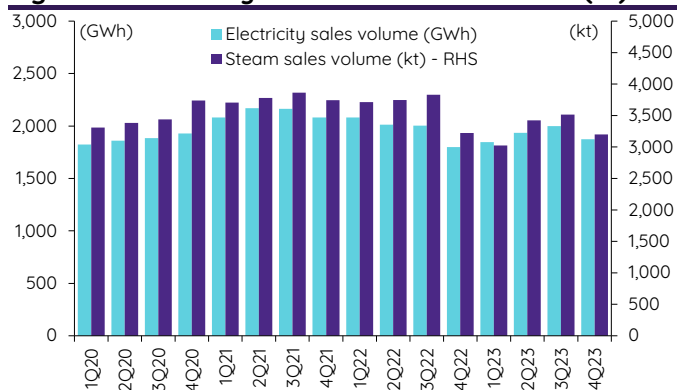
Source: GPSC and InnovestX Research

Figure 3: Average gas and coal prices – SPP



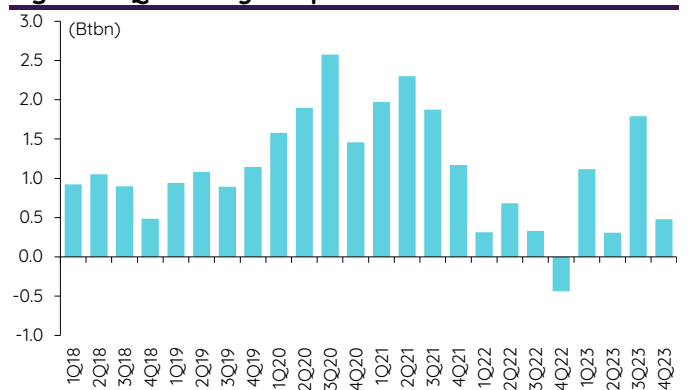
Source: GPSC and InnovestX Research

Figure 4: Electricity and steam sales volume (IU)



Source: GPSC and InnovestX Research

Figure 5: Quarterly net profit



Source: GPSC and InnovestX 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.

InnovestX Securities Company Limited (“INVX”) is wholly owned by SCB X Public Company Limited (“SCBX”) and The Siam Commercial Bank Public Company Limited (“SCB”) is majority-owned by SCBX. Any information related to SCB is for sector comparison purpose.

This document is prepared by InnovestX Securities Company Limited (“INVX”) which is wholly-owned by SCB X Public Company Limited (“SCBX”). The Siam Commercial Bank Public Company Limited, which is majority-owned by SCBX, 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. INVX 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 INVX cannot guarantee the accuracy, completeness and/or correctness of the Information.

This document is prepared by InnovestX Securities Company Limited (“INVX”) which is wholly-owned by SCB X Public Company Limited (“SCBX”). The Siam Commercial Bank Public Company Limited, which is majority-owned by SCBX, acts as financial advisor of the Big C Retail Company Limited (BRC), a subsidiary of Berli Jucker 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. INVX 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 INVX cannot guarantee the accuracy, completeness and/or correctness of the Information.

This document is prepared by InnovestX Securities Company Limited (“INVX”) which is wholly owned by SCB X Public Company Limited (“SCBX”). The Siam Commercial Bank Public Company Limited, which is majority-owned by SCBX, acts as financial advisor of the LH Hotel Leasehold Real Estate Investment Trust. 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. INVX 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 INVX cannot guarantee the accuracy, completeness and/or correctness of the Information.

INVX 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 INVX.

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 INVX.

© Copyright 2022 InnovestX Securities Co., Ltd. All right reserved.

CG Rating 2023 Companies with CG Rating

Companies with Excellent CG Scoring

7UP, AAV, ABM, ACE, ACG, ADB, ADD, ADVANC, AEONTS, AF, AGE, AH, AHC, AIRA, AIT, AJ, AKP, AKR, ALLA, ALT, AMA, AMARIN, AMATA, AMATAV, ANAN, AOT, AP, APCO, APCS, ARIP, ARROW, ASEFA, ASK, ASP, ASW, ATP30, AUCT, AWC, AYUD, B, BA, BAFS, BAM, BANPU, BAY, BBGI, BBIK, BBL, BC, BCH, BCP, BCPG, BDMS, BEC, BEM, BEYOND, BGC, BGRIM, BH, BIZ, BJC, BJCHI, BKI, BLA, BOL, BPP, BRI, BROOK, BRR, BTS, BTW, BWG, BYD, CBG, CENTEL, CFRESH, CHASE, CHEWA, CHG, CHOW, CIMBT, CIVIL, CK, CKP, CM, CNT, COLOR, COM7, COTTO, CPALL, CPAXT, CPF, CPI, CPL, CPN, CPW, CRC, CRD, CSC, CSS, CV, DCC, DDD, DELTA, DEMCO, DMT, DOHOME, DRT, DUSIT, EA, EASTW, ECF, ECL, EE, EGCO, EPG, ERW, ETC, ETE, FE, FLOYD, FN, FPI, FPT, FSX, FVC, GBX, GC, GCAP, GENCO, GFPT, GGC, GLAND, GLOBAL, GPSC, GRAMMY, GULF, GUNKUL, HANA, HARN, HENG, HMPRO, HPT, HTC, ICC, ICHI, ICN, III, ILINK, ILM, IMH, IND, INET, INTUCH, IP, IRC, IRPC, ITC, ITEL, IVL, JAS, JTS, KBANK, KCC, KCE, KEX, KKP, KSL, KTB, KTC, KTMS, KUMWEL, KUN, LALIN, LANNA, LH, LHFG, LIT, LOXLEY, LPN, LRH, LST, M, MAJOR, MALEE, MATCH, MBK, MC, M-CHAI, MCOT, MEGA, MFC, MFEC, MILL, MINT, MONO, MOONG, MSC, MST, MTC, MTI, NC, NCH, NCL, NDR, NER, NKI, NOBLE, NRF, NTV, NVD, NWR, NYT, OCC, OISHI¹, ONEE, OR, ORI, OSP, OTO, PAP, PATO, PB, PCSGH, PDG, PDJ, PG, PHOL, PIMO, PJW, PLANB, PLAT, PLUS, PM, POLY, PORT, PPP, PPS, PR9, PRG, PRINC, PRM, PRTR, PSH, PSL, PT, PTC, PTT, PTTEP, PTTGC, Q-CON, QH, QTC, RATCH, RBF, RPH, RS, RT, S, S&J, SA, SABINA, SAK, SAMART, SAMTEL, SAPPE, SAT, SBNEXT, SC, SCB, SCC, SCCC, SCG, SCGP, SCM, SDC, SEAFCO, SEAOL, SECURE, SELIC, SENA, SENX, SFP², SFT, SGC, SGF, SGP, SHR, SICT, SIRI, SIS, SITHAI, SJWD, SKR, SM, SMPC, SMT, SNC, SNNP, SNP, SO, SPALI, SPC, SPCG, SPI, SPRC, SR, SSC, SSF, SSSC, STA, STC, STEC, STGT, STI, SUC, SUN, SUSCO, SUTHA, SVI, SVT, SYMC, SYNEX, SYNTEC, TACC, TAE, TCAP, TCMC, TEAMG, TEGH, TFG, TFMAMA, TGE, TGH, THANA, THANI, THCOM, THIP, THRE, THREL, TIDLOR, TIPH, TISCO, TK, TKN, TKS, TKT, TLI, TM, TMC, TMD, TMT, TNDT, TNITY, TNL, TNR, TOA, TOG, TOP, TPBI, TPCS, TPIPL, TPIPP, TPL, TPOLY, TQP, TQR, TRT, TRUE, TRV, TSC, TSTE, TSTH, TTA, TTB, TTCL, TTW, TURTLE, TVDH, TVH, TVO, TVT, TWPC, UAC, UBE, UBIS, UKEM, UP, UPF, UPOIC, UV, VCOM, VGI, VIBHA, VIH, VL, WACOAL, WGE, WHA, WHAUP, WICE, WINMED, WINNER, XPG, YUASA, ZEN

Companies with Very Good CG Scoring

2S, A5, AAI, AIE, ALUCON, AMR, APURE, ARIN, AS, ASIA, ASIAN, ASIMAR, ASN, AURA, BR, BSBM, BTG, CEN, CGH, CH, CHIC, CI, CIG, CMC, COMAN, CSP, DOD, DPAINT, DV8, EFORL, EKH, ESSO, ESTAR, EVER, FORTH, FSMART, FTI, GEL, GPI, HEALTH, HUMAN, IFS, INSET, IT, J, JCKH, JDF, JKN, JMART, JUBILE, K, KCAR, KGI, KIAT, KISS, KK, KTIS, KWC, KWM, LDC, LEO, LHK, MACO, METCO, MICRO, MK, MVP, NCAP, NOVA, NTSC, PACO, PIN, PQS, PREB, PRI, PRIME, PROEN, PROS, PROUD, PSTC, PTECH, PYLON, RCL, SALEE, SANKO, SCI, SCN, SE, SE-ED, SFLEX, SINGER, SKN, SONIC, SORKON, SPVI, SSP, SST, STANLY, STP, SUPER, SVOA, SWC, TCC, TEKA, TFM, TMILL, TNP, TPLAS, TPOLY, TRC, TRU, TRUBB, TSE, VRANDA, WAVE, WFX, WIIK, WIN, WP, XO

Companies with Good CG Scoring

24CS, AMANAH, AMARC, AMC, APP, ASAP, BCT, BE8, BIG, BIOTEC, BLESS, BSM, BVG, CAZ, CCET, CHARAN, CHAYO, CHOTI, CITY, CMAN, CMR, CRANE, CWT, DHOUSE, DTCENT, EASON, FNS, FTE, GIFT, GJS, GTB, GTV, GYT, HL, HTECH, HYDRO, IIG, INGRS, INSURE, IRCP, ITD, ITNS, JCK, JMT, JR, JSP, KBS, KGEN, KJL, L&E, LEE, MASTER, MBAX, MEB, MENA, META, MGT, MITSIB, MJD, MOSHI, MUD, NATION, NNCL, NPK, NSL, NV, OGC, PAF, PCC, PEACE, PICO, PK, PL, PLANET, PLE, PMTA, PPM, PRAKIT, PRAPAT, PRECHA, PRIN, PSG, RABBIT, READY, RJH, RSP, RWI, S11, SAAM, SAF, SAMCO, SAWAD, SCAP, SCP, SIAM, SKE, SKY, SMART, SMD, SMIT, SOLAR, SPA, STECH, STPI, SVR, TC, TCCC³, TEAM, TFI, TIGER, TITL, TKC, TMI, TNH, TPA, TPAC, TRITN, UBA, UMI, UMS, UTP, VARO, VPO, W, WARRIX, WORK, WPH, YONG, 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. InnovestX 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 2022 to 31 October 2023) is publicized.

¹OISHI was voluntarily delisted from the Stock Exchange of Thailand, effectively on September 6, 2023

²SFP was voluntarily delisted from the Stock Exchange of Thailand, effectively on July 19, 2023

³TCCC was voluntarily delisted from the Stock Exchange of Thailand effectively on August 25, 2023

Anti-corruption Progress Indicator

Certified (ได้คุ้มครอง)

2S, 7UP, AAI, ADVANC, AF, AH, AI, AIE, AIRA, AJ, AKP, AMA, AMANAH, AMATA, AMATAV, AP, APCS, AS, ASIAN, ASK, ASP, AWC, AYUD, B, BAFS, BAM, BANPU, BAY, BBGI, BBL, BCH, BCP, BCPG, BE8, BEC, BEYOND, BGC, BGRIM, BKI, BLA, BPP, BROOK, BRR, BSBM, BTS, BWG, CEN, CENTEL, CFRESH, CGH, CHEWA, CHOTI, CHOW, CIG, CIMBT, CM, CMC, COM7, CPALL, CPAXT, CPF, CPI, CPL, CPN, CPW, CRC, CSC, DCC, DELTA, DEMCO, DIMET, DOHOME, DRT, DUSIT, EA, EASTW, ECF, EGCO, EP, EPG, ERW, ESTAR, ETC, ETE, FNS, FPI, FPT, FSMART, FTE, GBX, GC, GCAP, GEL, GFPT, GGC, GJS, GPI, GPSC, GSTEEL, GULF, GUNKUL, HANA, HARN, HENG, HMPRO, HTC, ICC, ICHI, IFS, III, ILINK, ILM, INET, INOX, INSURE, INTUCH, IRPC, ITEL, IVL, JAS, JKN, JR, JTS, KASET, KBANK, KBS, KCAR, KCC, KCE, KGEN, KGI, KKP, KSL, KTB, L&E, LANNA, LHFG, LHK, LPN, LRH, M, MAJOR, MALEE, MATCH, MBAX, MBK, MC, MCOT, META, MFC, MFEC, MILL, MINT, MONO, MOONG, MSC, MST, MTC, MTI, NATION, NCAP, NEP, NKI, NOBLE, NRF, NWR, OCC, OGC, OR, ORI, PAP, PATO, PB, PCSGH, PDG, PDJ, PG, PHOL, PIMO, PK, PL, PLANB, PLANET, PLAT, PM, PPP, PPPM, PPS, PR9, PREB, PRG, PRINC, PRM, PROS, PSH, PSL, PSTC, PT, PTECH, PTG, PTT, PTTEP, PTTGC, PYLON, Q-CON, QH, QLT, QTC, RABBIT, RATCH, RML, RS, RWI, S&J, SAAM, SABINA, SAK, SAPPE, SAT, SC, SCC, SCCC, SCG, SCGP, SCM, SCN, SEAOL, SE-ED, SELIC, SENA, SGC, SGP, SIRI, SITHAI, SKR, SMIT, SMK, SMPC, SNC, SNP, SORKON, SPACK, SPALI, SPC, SPI, SPRC, SRICHA, SSF, SSP, SSSC, SST, STA, STGT, STOWER, SUSCO, SVI, SYMC, SYNTEC, TAE, TAKUNI, TASCO, TCAP, TCMC, TFG, TFI, TFMAMA, TGE, TGH, THANI, THCOM, THIP, THRE, THREL, TIDLOR, TIPCO, TISCO, TKS, TKT, TMD, TMILL, TMT, TNITY, TNL, TNP, TNR, TOG, TOP, TOPP, TPA, TPCS, TRT, TRU, TSC, TSI, TSTE, TSTH, TTA, TTB, TTCL, TU, TVDH, TVO, TWPC, UBE, UBIS, UEC, UKEM, UOBKH, UV, VCOM, VGI, VIH, WACOAL, WHA, WHAUP, WICE, WIIK, XO, YUASA, ZEN, ZIGA

Declared (ได้มาตรฐาน)

ACE, ADB, ALT, AMC, ASW, BLAND, BTG, BYD, CAZ, CBG, CV, DEXON, DMT, EKH, FSX, GLOBAL, GREEN, ICN, IHL, ITC, J, JMART, JMT, LEO, LH, MENA, MITSIB, MODERN, NER, NEX, OSP, OTO, PLUS, POLY, PQS, PRIME, PROEN, PRTR, RBF, RT, SA, SANKO, SCB, SENX, SFLEX, SIS, SKE, SM, SVOA, TBN, TEGH, TIPH, TKN, TPAC, TPLAS, TQM, TRUE, W, WPH, XPG

N/A

24CS, 3K-BAT, A, A5, AAV, ABM, ACAP, ACC, ACG, ADD, ADVICE, AEONTS, AFC, AGE, AHC, AIT, AJA, AKR, AKS, ALL, ALLA, ALPHAX, ALUCON, AMARC, AMARIN, AMR, ANAN, ANI, AOT, APCO, APEX, APP, APURE, AQUA, ARIN, ARIP, ARROW, ASAP, ASEFA, ASIA, ASIMAR, ASN, ATP30, AU, AUCT, AURA, B52, BA, BBIK, BC, BCT, BDMS, BEAUTY, BEM, BGT, BH, BIG, BIOTEC, BIS, BIZ, BJC, BJCHI, BKG, BLC, BLESS, BLISS, BM, BOL, BR, BRI, BROCK, BSM, BSRC, BTNC, BTW, BUI, BVG, CCET, CCP, CEYE, CGD, CH, CHARAN, CHASE, CHAYO, CHG, CHIC, CHO, CI, CITY, CIVIL, CK, CKP, CMAN, CMO, CMR, CNT, COCOCO, COLOR, COMAN, CPANEL, CPH, CPR, CPT, CRANE, CRD, CREDIT, CSP, CSR, CSS, CTW, CWT, D, DCON, DDD, DHOUSE, DITTO, DOD, DPAINT, DTCENT, DTCL, DV8, EASON, ECL, EE, EFORL, EMC, ETL, EVER, F&D, FANCY, FE, FLOYD, FMT, FN, FORTH, FTI, FVC, GABLE, GENCO, GFC, GIFT, GL, GLAND, GLOCON, GLORY, GRAMMY, GRAND, GSC, GTB, GTV, GYT, HEALTH, HFT, HL, HPT, HTECH, HUMAN, HYDRO, I2, IFEC, IIG, IMH, IND, INGRS, INSET, IP, IRC, IRCP, IT, ITD, ITNS, ITTHI, JAK, JCK, JCHK, JCT, JDF, JPARK, JSP, JUBILE, K, KAMART, KC, KCG, KCM, KDH, KEX, KIAT, KISS, KJL, KK, KKC, KLINI, KOOL, KTIS, KTMS, KUMWEL, KUN, KWC, KWI, KWM, KYE, LALIN, LDC, LEE, LIT, LOXLEY, LPH, LST, MANRIN, MASTER, MATI, MCA, M-CHAI, MCS, MDX, MEB, MEGA, METCO, MGC, MGI, MGT, MICRO, MIDA, MJD, MK, ML, MORE, MOSHI, MTW, MUD, MVP, NAM, NC, NCH, NCL, NDR, NETBAY, NEW, NEWS, NFC, NNCL, NOK, NOVA, NPK, NSL, NTSC, NTV, NUSA, NV, NVD, NYT, OHTL, ONEE, ORN, PACE, PACO, PAF, PCC, PEACE, PERM, PF, PHG, PICO, PIN, PJW, PLE, PLT, PMTA, POLAR, POMPU, PORT, POST, PPM, PRAKIT, PRAPAT, PRECHA, PRI, PRIN, PRO, PROUD, PSG, PSP, PTC, PTL, RAM, RCL, READY, RICHY, RJH, ROCK, ROCTEC, ROH, ROJNA, RP, RPC, RPH, RSP, S, S11, SABUY, SAF, SAFARI, SAFE, SALEE, SAM, SAMART, SAMCO, SAMTEL, SAUCE, SAV, SAWAD, SAWANG, SBNEXT, SCAP, SCGD, SCI, SCL, SCP, SDC, SE, SEAFCO, SECURE, SFT, SGF, SHANG, SHR, SIAM, SICT, SIMAT, SINGER, SINO, SISB, SJWD, SK, SKN, SKY, SLM, SLP, SMART, SMD, SMT, SNNP, SO, SOLAR, SONIC, SPA, SPCG, SPG, SPVI, SQ, SR, SRS, SSC, SSS, STANLY, STARK, STC, STEC, STECH, STHAI, STI, STP, STPI, SUK, SUN, SUPER, SUTHA, SVR, SVT, SWC, SYNEX, TACC, TAN, TAPAC, TC, TCC, TCJ, TCOAT, TEAM, TEAMG, TEKA, TFM, TGPRO, TH, THAI, THANA, THE, THG, THMUI, TIGER, TITL, TK, TKC, TLI, TM, TMC, TMI, TMW, TNDT, TNH, TNPC, TOA, TPBI, TPCH, TPIPL, TPIPP, TPL, TPOLY, TQP, TQR, TR, TRC, TRITN, TRP, TRUBB, TRV, TSE, TTI, TTT, TTW, TURTLE, TVH, TVT, TWP, TWZ, TYCN, UAC, UBA, UMI, UMS, UNIQ, UP, UPF, UPOIC, UREKA, UTP, UVAN, VARO, VIBHA, VL, VNG, VPO, VRANDA, WARRIX, WAVE, WFX, WGE, WIN, WINDOW, WINMED, WINNER, WORK, WORLD, WP, YGG, YONG, ZAA

Explanations

Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of November 1, 2023) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.