

BTS Group Holdings

BTS Group Holdings
Public Company Limited

BTS

Bloomberg
Reuters

BTS TB
BTS.BK



No catalyst

We keep our tactical recommendation NEUTRAL with a new SOTP-based TP of Bt12.0 (from Bt12.5) to reflect our earnings downgrade as well as the drop in VGI share price. Our TP would be Bt7.5 without the Green Line concession extension. We see no real catalyst in the next three months as the BMA debt and concession extension is up to the new government.

Recap 4QFY23 (Jan-Mar 2023) results. BTS reported a net loss of Bt222mn in 4QFY23, sinking from profits of Bt1.1bn in 3QFY23 and Bt812mn in 4QFY22. Stripping out extra items uncovers a core loss of Bt38mn, plunging from profits of Bt1.2bn in 3QFY23 and Bt588mn in 4QFY22. Behind the poor results was a weak performance at RABBIT and KEX (booked under equity income) as well as a huge loss of Bt743mn on fair value adjustment of its investment in debt instruments. This latter, reflecting a low share price for JMART and investment in STARK, did not in itself lead to the weak results as the change in value of both investments will be adjusted via "other comprehensive income" on the balance sheet. FY2023 net profit was Bt1.8bn, down 52% YoY on lower construction income for the Pink and Yellow lines as both approach completion and also weak equity income (mainly from KEX).

Key takeaways from the analyst meeting. Overall, the tone was neutral. Management clarified that the huge revaluation loss on debt instruments booked in 4QFY23 was due to multiple factors, including bond yield, FX, and the global economy. What happens in 1QFY24F (Apr-June 2023) depends on economic factors. The Yellow Line will start a trial run lasting from June 3 to July 3, then begin commercial runs on July 4 subject to MRTA approval. Ridership should reach 130k trips per day to reach breakeven at the net profit level vs our assumption of an avg. 75k trips in the first year of operations. BTS expects to start running the Pink Line in early 2024. Management noted it has no investment in STARK's debenture.

1QFY24F earnings outlook. We expect earnings to improve QoQ on the absence of a huge loss on fair value adjustment of debt instruments. However, YoY is expected to fall on lower construction income from the Pink and Yellow lines. We expect it to return to the black in 1QFY24F.

Revised down FY2024F. We revised down our FY2024F by 11.3% to Bt1.9bn (-2.2% YoY) as we adjust to our recent downward revision of KEX after its weak 1Q23 results. We expect a fall in FY2024F on lower construction income from the Pink and Yellow lines plus the added cost of running those lines. We expect these lines to be in the red in the first year.

Risks and concerns. The overhang on the Green Line concession extension and debt repayment from the BMA will continue to cap share price upside, as the timeline remains unclear.

Forecasts and valuation

Year to 31 Mar	Unit	FY2022	FY2023	FY2024F	FY2025F	FY2026F
Revenue	(Btmn)	26,056	18,311	17,226	15,179	15,966
EBITDA	(Btmn)	8,383	7,992	7,038	6,652	6,300
Core profit	(Btmn)	2,892	1,952	1,908	1,406	2,074
Reported profit	(Btmn)	3,826	1,836	1,908	1,406	2,074
Core EPS	(Bt)	0.22	0.15	0.14	0.11	0.16
DPS	(Bt)	0.31	0.31	0.22	0.16	0.24
P/E, core	(x)	32.1	47.6	48.7	66.0	44.8
EPS growth, core	(%)	169.6	(32.5)	(2.2)	(26.3)	47.5
P/BV, core	(x)	1.5	1.7	1.7	1.7	1.8
ROE	(%)	3.6	2.3	2.4	1.8	2.7
Dividend yield	(%)	4.4	4.4	3.1	2.3	3.4
EBITDA growth	(%)	(4.4)	(4.7)	(11.9)	(5.5)	(5.3)

Source: InnovestX Research

Tactical: NEUTRAL

(3-month)

Stock data

Last close (Jun 1) (Bt)	7.05
Target price (Bt)	12.00
Mkt cap (Btmn)	92.83
Mkt cap (US\$m)	2,686

Beta	L
Mkt cap (%) SET	0.50
Sector % SET	8.07
Shares issued (mn)	13,168
Par value (Bt)	4.00
12-m high / low (Bt)	9 / 5.4
Avg. daily 6m (US\$m)	7.56
Foreign limit / actual (%)	49 / 22
Free float (%)	59.3
Dividend policy (%)	≥ 50

Share performance

(%)	1M	3M	12M
Absolute	(9.0)	(9.6)	(19.9)
Relative to SET	(8.6)	(4.2)	(13.2)

2022 Sustainability / ESG Score

Sustainability Index (THSI) Included

ESG Bloomberg Rank in the sector

ESG Score Rank	1/27
Environmental Score Rank	1/27
Social Score Rank	1/27
Governance Score Rank	1/27

ESG comment

BTS has the highest ESG score in the sector and also has the top score for each section (Environment, Social and Governance).

Source: Bloomberg Finance L.P. (Details in page 3)

Analyst

Kittisorn Pruitipat, CFA, FRM

Fundamental Investment

Analyst on Securities

(662) 949 1007

kittisorn.pruitipat@scb.co.th

Value proposition

BTS is a leader in developing and operating rail mass transit in Thailand. It was granted a concession for the core Green Line, which passes major shopping and business areas in Bangkok. BTS has now sold net farebox revenue to BTSGIF, in which it holds 33%. BTS is also the leader in Out-of-Home media in Thailand through its investment in VGI (51% stake) which is selectively expanding its network across the ASEAN region. BTS also has a property business under RABBIT (35% stake).

Business outlook

We believe all of its businesses are in recovery mode and expect it to return to pre-COVID level in FY2025 (Apr 2024–Mar 2025). Long-term outlook is positive as there are many infrastructure projects scheduled to open for bidding, including mass transit and motorways – and it is well positioned to win bids. Apart from this, BTS has many infrastructure projects under construction that will help drive its earnings growth further.

Bullish views	Bearish views
1. Conclusion of Green Line extension happens soon	1. Do not expect conclusion of Green Line concession extension soon and debt repayment from BMA does not provide any upside to TP as the market has already factored in its expectation BMA will eventually repay the debt to BTS
2. BMA repays its debt to BTS, improving its balance sheet	2. Near-term upside is limited as current share price is already fair excluding upside from concession extension.

Key catalysts

Factor	Event	Impact	Comment
Latest development	Court ordered BMA to repay the debt to BTS	Neutral	This is because our assumptions already assume the BMA will eventually repay the debt to BTS. Additionally, BMA has already filed an appeal.
Near-term earnings outlook	1QFY24F earnings momentum	Better QoQ, but lower YoY	The stronger QoQ arises out of a lower loss on revaluation of debt instruments. The YoY drop will be due to lower construction revenue.
Factors to be aware in FY2024	Action from Bangkok governor	Positive/Negative	This could be positive or negative. The positive would be approval of the concession extension while the negative could be in the form of regulatory risk.

Sensitivity analysis

Factor	Earnings impact	TP impact
5% change in BTS ridership	0.8%	Bt0.1/sh.

Our view on ESG

We view that BTS business itself is friendly to environment. The skytrain business has low emission. The company is also listed in Dow Jones Sustainability Indices (DJSI). BTS also awards and recognition No.1 in DJSI global industry leader.

ESG Disclosure Score

Bloomberg ESG Score	66.17 (2022)	CG Rating 0-5	DJSI	SETTHSI	THSI	
Rank in Sector	1/27	BTS	5	Yes	Yes	Yes

Source: Thai IOD, The Down Jones Industrial Average, SET

Environmental Issue (E)

- BTS Group has made progress in developing and endorsing its group-wide Environmental Management Policy that covers BTS Group's subsidiaries.
- The policy provides guidelines and approaches on how BTS Group companies conduct business by taking into consideration all environmental impacts.
- The group-wide Environmental Management Policy covers employees, suppliers and contractors, and all other relevant stakeholders.

Social Issue (S)

- BTS Group aims to improve the quality of life and well-being of the community through the three areas: public health, quality education and environmental protection and climate change impacts mitigations.
- For public health, the company targets to: 1) Increase accessibility to medical services for better quality of life, 2) Provide insurance to support wellbeing of all medical personnel and their families, and 3) Fund the development of the potential and capabilities of Thai youth athletes to international sporting events
- For quality education and knowledge sharing, the company targets to 1) Provide infrastructure and utilities to nearby schools and communities and 2) Provide learning opportunities for rural students and promote public transport knowledge.

Governance Issue (G)

- The company's corporate governance policy covers five sections, including 1) Rights of shareholders, 2) equitable treatment of shareholders, 3) roles of stakeholders, 4) disclosure and transparency and 5) board responsibilities.
- In 2021, CG rating was excellent and anti-corruption progress indicator was certified.

ESG Disclosure Score

	2021	2022
ESG Disclosure Score	62.17	66.17
Environment	47.30	50.98
Emissions Reduction Initiatives	Yes	Yes
Climate Change Policy	Yes	Yes
GHG Scope 1	3.57	3.49
Energy Efficiency Policy	Yes	Yes
Total Energy Consumption	152.43	170.59
Social	51.75	60.10
Human Rights Policy	Yes	Yes
Consumer Data Protection Policy	Yes	Yes
Equal Opportunity Policy	Yes	Yes
Business Ethics Policy	Yes	Yes
Anti-Bribery Ethics Policy	Yes	Yes
Governance	87.36	87.36
Size of Audit Committee	3	3
Number of Independent Directors on Audit Committee	3	3
Company Conducts Board Evaluations	1	1
Number of Executives / Company Managers	12	8
Director Share Ownership Guidelines	0	0

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 such as energy consumption, board composition, and workforce accidents.

Company ESG reporting has evolved since our ESG Disclosure Score was originally created in 2010. In order to reflect the evolution in corporate reporting, in early 2022 Bloomberg updated its ESG disclosure scores methodology. The methodology changes were implemented for all years of data for all companies in the ESG Coverage universe.

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 March 31	Unit	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024F	FY2025F	FY2026F
Total revenue	(Btmn)	44,540	35,405	35,128	26,056	18,311	17,226	15,179	15,966
Cost of goods sold	(Btmn)	(39,498)	(29,566)	(28,674)	(20,267)	(12,311)	(13,763)	(11,812)	(12,584)
Gross profit	(Btmn)	5,042	5,839	6,454	5,789	6,000	3,463	3,367	3,382
SG&A	(Btmn)	(2,535)	(3,160)	(2,597)	(2,622)	(4,139)	(3,476)	(3,580)	(3,652)
Other income	(Btmn)	2,430	3,276	4,099	4,345	5,164	6,078	5,871	5,555
Interest expense	(Btmn)	(1,642)	(2,245)	(2,509)	(3,220)	(3,818)	(4,453)	(5,325)	(4,453)
Pre-tax profit	(Btmn)	3,296	3,710	5,447	4,293	3,208	1,612	333	832
Corporate tax	(Btmn)	(773)	(1,478)	(1,927)	(1,214)	(1,539)	(403)	(67)	(166)
Equity a/c profits	(Btmn)	552	2,071	(1,664)	(131)	350	483	921	1,188
Minority interests	(Btmn)	(530)	336	(783)	(55)	214	216	218	220
Core profit	(Btmn)	2,545	4,640	1,072	2,892	2,233	1,908	1,406	2,074
Extra-ordinary items	(Btmn)	328	3,522	3,504	934	(115)	0	0	0
Net Profit	(Btmn)	2,873	8,162	4,576	3,826	2,117	1,908	1,406	2,074
EBITDA	(Btmn)	5,731	6,926	8,767	8,383	7,992	7,038	6,652	6,300
Core EPS	(Bt)	0.21	0.35	0.08	0.22	0.15	0.14	0.11	0.16
Net EPS	(Bt)	0.24	0.62	0.35	0.29	0.14	0.14	0.11	0.16
DPS	(Bt)	0.42	0.48	0.31	0.31	0.31	0.22	0.16	0.24

Balance Sheet

FY March 31	Unit	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024F	FY2025F	FY2026F
Total current assets	(Btmn)	19,653	22,398	14,157	23,153	22,707	25,295	30,000	30,881
Total fixed assets	(Btmn)	6,669	9,844	11,121	13,993	13,724	13,484	13,260	13,056
Total assets	(Btmn)	144,398	173,100	212,076	255,867	270,926	254,361	254,087	250,008
Total loans	(Btmn)	53,418	75,798	99,483	132,307	154,488	137,000	142,000	137,000
Total current liabilities	(Btmn)	41,612	32,915	32,270	47,524	40,835	48,990	44,917	46,468
Total long-term liabilities	(Btmn)	50,477	72,940	103,768	122,215	148,769	125,848	130,957	126,066
Total liabilities	(Btmn)	92,089	105,855	136,038	169,739	189,604	174,838	175,874	172,535
Paid-up capital	(Btmn)	49,258	62,942	63,015	63,050	63,081	63,081	63,081	63,081
Total equity	(Btmn)	52,310	67,246	76,037	86,128	81,322	79,522	78,213	77,473
BVPS	(Bt)	3.27	4.18	4.57	4.71	4.26	4.14	4.06	4.02

Cash Flow Statement

FY March 31	Unit	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024F	FY2025F	FY2026F
Core Profit	(Btmn)	2,545	4,640	1,072	2,892	2,233	1,908	1,406	2,074
Depreciation and amortization	(Btmn)	793	971	811	871	967	973	994	1,015
Operating cash flow	(Btmn)	8,864	(8,665)	12,787	(3,212)	7,134	(1,298)	(6,819)	(2,719)
Investing cash flow	(Btmn)	(39,044)	(23,140)	(39,306)	(34,738)	(16,540)	20,242	5,386	6,040
Financing cash flow	(Btmn)	24,743	31,011	27,122	38,216	15,603	(20,979)	2,503	(7,593)
Net cash flow	(Btmn)	(5,437)	(795)	603	265	6,198	(2,035)	1,069	(4,273)

Key Financial Ratios

FY March 31	Unit	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024F	FY2025F	FY2026F
Gross margin	(%)	11.3	16.5	18.4	22.2	32.8	20.1	22.2	21.2
Operating margin	(%)	5.6	7.6	11.0	12.2	10.2	(0.1)	(1.4)	(1.7)
EBITDA margin	(%)	12.9	19.6	25.0	32.2	43.6	40.9	43.8	39.5
EBIT margin	(%)	11.1	16.8	22.6	28.8	38.4	35.2	37.3	33.1
Net profit margin	(%)	6.5	23.1	13.0	14.7	10.0	11.1	9.3	13.0
ROE	(%)	5.5	12.1	6.0	4.4	2.3	2.4	1.8	2.7
ROA	(%)	2.0	2.9	0.6	1.2	0.8	0.7	0.6	0.8
Net D/E	(x)	0.9	1.1	1.3	1.5	1.8	1.6	1.7	1.7
Interest coverage	(x)	3.5	3.1	3.5	2.6	2.1	1.6	1.2	1.4
Debt service coverage	(x)	0.5	0.6	0.8	0.3	0.4	0.3	0.2	0.2
Payout Ratio	(%)	173.2	77.4	89.2	106.7	222.3	150.0	150.0	150.0

Main Assumptions

FY March 31	Unit	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024F	FY2025F	FY2026F
Equity income from BTSGIF	(Btmn)	898.0	848.0	235.0	(29.0)	390.0	908.1	1,198.9	1,296.7
O&M revenue	(Btmn)	2,277	3,753	5,335	6,304	6,834	6,902	7,109	7,323
Media revenue	(Btmn)	5,204	5,866	2,614	4,298	5,138	6,166	6,782	7,325

Financial statement

Profit and Loss Statement

FY March 31	Unit	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23
Total revenue	(Btmn)	7,842	5,589	7,896	4,729	4,003	4,580	4,721	5,007
Cost of goods sold	(Btmn)	(6,270)	(4,233)	(6,406)	(3,358)	(2,632)	(3,093)	(3,234)	(3,352)
Gross profit	(Btmn)	1,571	1,356	1,490	1,371	1,371	1,487	1,487	1,655
SG&A	(Btmn)	(681)	(621)	(765)	(555)	(793)	(874)	(1,218)	(1,253)
Other income	(Btmn)	932	1,015	1,020	1,378	856	955	1,624	1,729
Interest expense	(Btmn)	(722)	(838)	(865)	(795)	(884)	(936)	(1,032)	(965)
Pre-tax profit	(Btmn)	1,101	913	880	1,398	549	632	861	1,166
Corporate tax	(Btmn)	(323)	(336)	(270)	(285)	(392)	(301)	(468)	(377)
Equity a/c profits	(Btmn)	(19)	(236)	311	(187)	213	(116)	444	(190)
Minority interests	(Btmn)	(56)	(24)	(3)	27	(8)	3	26	193
Core profit	(Btmn)	1,002	571	603	588	464	360	1,166	(38)
Extra-ordinary items	(Btmn)	381	5	451	224	72	114	(118)	(184)
Net Profit	(Btmn)	1,383	576	1,054	812	536	474	1,048	(222)
EBITDA	(Btmn)	2,200	1,804	2,033	1,474	1,811	1,621	2,181	1,412
Core EPS	(Bt)	0.08	0.04	0.05	0.04	0.04	0.03	0.09	(0.00)
Net EPS	(Bt)	0.11	0.04	0.08	0.06	0.04	0.04	0.08	(0.02)

Balance Sheet

FY March 31	Unit	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23
Total current assets	(Btmn)	21,296	17,304	14,295	23,153	15,058	14,418	30,520	22,707
Total fixed assets	(Btmn)	11,208	13,414	13,767	13,993	14,423	14,588	15,321	13,724
Total assets	(Btmn)	225,250	228,847	243,641	255,867	253,804	257,742	274,406	270,926
Total loans	(Btmn)	105,029	115,546	125,446	132,307	132,865	136,064	155,507	154,488
Total current liabilities	(Btmn)	42,509	40,839	42,541	47,524	33,112	39,547	41,396	40,835
Total long-term liabilities	(Btmn)	106,694	111,196	121,453	122,215	132,501	131,112	145,988	148,769
Total liabilities	(Btmn)	149,202	152,035	163,994	169,739	165,613	170,659	187,385	189,604
Paid-up capital	(Btmn)	63,036	63,036	63,046	63,050	63,081	63,081	63,081	63,081
Total equity	(Btmn)	76,048	76,813	79,647	86,128	88,191	87,083	87,532	88,203
BVPS	(Bt)	4.60	4.54	4.72	4.72	4.77	4.66	4.72	4.79

Cash Flow Statement

FY March 31	Unit	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23
Core Profit	(Btmn)	1,002	571	603	588	464	360	1,166	(38)
Depreciation and amortization	(Btmn)	237	209	249	177	224	244	258	241
Operating cash flow	(Btmn)	7,869	(9,729)	17,507	(15,648)	7,869	(9,729)	17,507	(15,648)
Investing cash flow	(Btmn)	26,946	(14,470)	(19,919)	7,709	29,691	(15,840)	(9,599)	1,945
Financing cash flow	(Btmn)	(31,246)	22,773	309	8,164	(31,246)	22,773	309	8,164
Net cash flow	(Btmn)	3,570	(1,426)	(2,103)	225	6,315	(2,796)	8,217	(5,539)

Key Financial Ratios

FY March 31	Unit	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23
Gross margin	(%)	20.0	24.3	18.9	29.0	34.3	32.5	31.5	33.0
Operating margin	(%)	11.4	13.2	9.2	17.3	14.4	13.4	5.7	8.0
EBITDA margin	(%)	28.1	32.3	25.8	31.2	45.2	35.4	46.2	28.2
EBIT margin	(%)	25.0	28.5	22.6	27.4	39.6	30.1	40.7	23.4
Net profit margin	(%)	17.6	10.3	13.3	17.2	13.4	10.3	22.2	(4.4)
ROE	(%)	5.8	3.3	3.2	2.9	2.3	1.8	5.6	(0.2)
ROA	(%)	2.0	1.1	1.1	1.0	0.8	0.6	1.8	(0.1)
Net D/E	(x)	1.3	1.4	1.5	1.5	1.4	1.5	1.6	1.6
Interest coverage	(x)	3.0	2.2	2.4	1.9	2.0	1.7	2.1	1.5
Debt service coverage	(x)	0.6	0.3	0.4	0.2	0.5	0.3	0.4	0.3

Main Assumptions

FY March 31	Unit	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23
Equity income from BTSGIF	(Btmn)	(18.0)	(48.0)	30.0	7.0	46.0	98.0	102.0	144.0
O&M revenue	(Btmn)	1,557	1,557	1,529	1,657	1,662	1,662	1,662	1,848
Media revenue	(Btmn)	658	959	812	354	727	1,284	1,009	608

Figure 1: 4QFY23 results review

Unit: Btmn	4QFY22	3QFY23	4QFY23	QoQ	YoY
Total operating revenue	4,729	4,721	5,007	6.1%	5.9%
Cost of goods sold	(3,358)	(3,234)	(3,352)	3.7%	-0.2%
Gross profit	1,371	1,487	1,655	11.3%	20.7%
SG&A	(555)	(1,218)	(1,253)	2.9%	125.7%
Other income/(expense)	1,237	1,809	716	-60.4%	-42.1%
Interest expense	(795)	(1,032)	(965)	-6.5%	21.4%
Pre-tax profit	1,258	1,047	152	-85.4%	-87.9%
Corporate tax	(285)	(468)	(377)	-19.5%	32.1%
Equity a/c profits	(187)	444	(190)	na.	1.7%
Minority interests	27	26	193	635.9%	609.3%
Net profit	812	1,049	(222)	na.	na.
EPS (Bt/sh.)	0.06	0.08	(0.02)	na.	na.
Adjusted core profit	588	1,166	(38)	na.	na.

Source: InnovestX Research, BTS

Figure 2: SOTP valuation

	% stake	Value (Btmn)	Per share (Bt)	Comment
Mass transit				
O&M for Green line core network	100	17,944	1.4	During 2029-2042
O&M for Green line extension Zone 1	100	11,280	0.9	
O&M for Green line extension Zone 2	100	29,962	2.3	
Pink line	75	12,258	0.9	
Yellow line	75	9,424	0.7	
O&M for Gold line Phase 1	100	1,708	0.1	
U-Tapao	35	9,230	0.7	
Two motorways projects	40	3,956	0.3	
Total mass transit		95,762	7.3	
Investment				
BTSGIF	33	10,505	0.8	Based on our TP of Bt5.5/sh.
VGI	51	20,400	1.5	Market price
U	36-48	10,809	0.8	Market price
Total investment		41,714	3.2	
Less: net debt		38,743	2.9	
Grand total		98,733		
No. of shares		13,186		
TP per share (Bt)		7.5		TP without concession extension on Green line
Potential upside				
Concession extension on Green line	100	58,571	4.5	
TP per share (Bt)		12.0		TP with concession extension on Green line

Source: InnovestX Research, BTS, VGI, U

Figure 3: Valuation summary (price as of Jun 1, 2023)

Company name	Country	Mkt. Cap (US\$mn)	PE (x)			EPS Growth (%)			PBV (x)			Div. Yield (%)			ROE (%)			EV/EBITDA (x)		
			23F	24F	25F	23F	24F	25F	23F	24F	25F	23F	24F	25F	23F	24F	25F	23F	24F	25F
Guangshen Railway Co Ltd	China	3,027	14.1	14.1	10.8	147.9	0.0	30.6	0.5	0.5	0.5	3.6	3.6	4.9	3.7	3.7	5.0	7.6	7.6	6.8
MTR Corp Ltd	Hong Kong	28,311	20.4	20.4	11.4	10.1	0.0	79.7	1.2	1.2	1.1	3.8	3.8	3.9	6.0	6.0	10.3	15.9	15.9	11.9
East Japan Railway Co	Japan	20,948	40.0	22.1	16.1	43.0	80.6	37.4	1.2	1.1	1.1	1.3	1.5	1.7	2.8	5.3	7.1	14.4	11.8	10.2
West Japan Railway Co	Japan	10,232	19.7	19.8	16.7	105.7	(0.2)	18.7	1.4	1.3	1.3	1.7	1.8	2.0	6.5	6.6	7.5	12.7	10.6	9.4
Bangkok Expressway & Metro PCL	Thailand	3,558	33.4	33.4	28.6	50.6	0.0	16.6	3.1	3.1	3.0	2.0	2.0	2.4	9.6	9.6	10.8	23.2	23.2	20.4
BTS Group Holdings PCL	Thailand	2,684	40.5	34.2	30.3	(1.6)	18.4	12.7	1.5	1.5	1.4	3.4	3.5	3.5	3.7	4.0	4.4	62.0	45.4	38.6
Average			28.0	24.0	19.0	59.3	16.5	32.6	1.5	1.5	1.4	2.6	2.7	3.1	5.4	5.9	7.5	22.6	19.1	16.2

Source: Bloomberg Finance L.P.

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.

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 2022 Companies with CG Rating

Companies with Excellent CG Scoring

AAV, ADVANC, AF, AH, AIRA, AJ, AKP, AKR, ALLA, ALT, AMA, AMARIN, AMATA, AMATAV, ANAN, AOT, AP, APURE, ARIP, ASP, ASW, AUCTION, AWC, AYUD, BAFS, BAM, BANPU, BAY, BBK, BBL, BCP, BCPG, BDMS, BEM, BEYOND, BGC, BGRIM, BIZ, BKI, BOL, BPP, BRR, BTS, BTW, BWG, CENTEL, CFRESH, CGH, CHEWA, CHO, CIMBT, CK, CKP, CM, CNT, COLOR, COM7, COMAN, COTTO, CPALL, CPF, CPI, CPN, CRC, CSS, DDD, DELTA, DEMCO, DOHOME, DRT, DTAC, DUSIT, EA, EASTW, ECF, ECL, EE, EGCO, EPG, ETC, ETE, FN, FNS, FPI, FPT, FSMART, FVC, GC, GEL, GFPT, GGC, GLAND, GLOBAL, GPI, GPSC, GRAMMY, GULF, GUNKUL, HANA, HARN, HENG, HMPRO, ICC, ICHI, IILINK, ILM, IND, INTUCH, IP, IRC, IRPC, ITEL, IVL, JTS, JWD, K, KBANK, KCE, KEX, KGI, KKP, KSL, KTB, KTC, LALIN, LANNA, LHFG, LIT, LOXLEY, LPN, LRH, LST, MACO, MAJOR, MAKRO, MALEE, MBK, MC, MCOT, METCO, MFEC, MINT, MONO, MOONG, MSC, MST, MTC, MVP, NCL, NEP, NER, NKI, NOBLE, NSI, NVD, NYT, OISHI, OR, ORI, OSP, OTO, PAP, PCSGH, PDG, PDJ, PG, PHOL, PLANB, PLANET, PLAT, PORT, PPS, PR9, PREB, PRG, PRM, PSH, PSL, PTG, PTT, PTTEP, PTTGC, PYLON, Q-CON, QH, QTC, RATCH, RBF, RS, S, S&J, SAAM, SABINA, SAMART, SAMTEL, SAT, SC, SCB, SCC, SCCC, SCG, SCGP, SCM, SCN, SDC, SEAFCO, SEAOL, SE-ED, SELIC, SENA, SENX, SGF, SHR, SICT, SIRI, SIS, SITHAI, SMP, SNC, SONIC, SORKON, SPALI, SPI, SPRC, SPVI, SSC, SSSC, SST, STA, STEC, STGT, STI, SUN, SUSCO, SUTHA, SVI, SYMC, SYNTEC, TACC, TASCOT, TCAP, TEAMG, TFMAMA, THANA, THANI, THCOM, THG, THIP, THRE, THREL, TIPCO, TISCO, TK, TKN, TKS, TKT, TMILL, TMT, TNDT, TNITY, TOA, TOP, TPBI, TQM, TRC, TRUE, TSC, TSR, TSTE, TSTH, TTA, TTB, TTCL, TTW, TU, TVDH, TVI, TVO, TWPC, U, UAC, UBIS, UPOIC, UV, VCOM, VGI, VIH, WACOAL, WAVE, WHA, WHAUP, WICE, WINNER, XPG, ZEN

Companies with Very Good CG Scoring

2S, 7UP, ABICO, ABM, ACE, ACG, ADB, ADD, AEONTS, AGE, AHC, AIE, AIT, ALUCON, AMANAH, AMR, APCO, APC, AQUA, ARIN, ARROW, AS, ASAP, ASEFA, ASIA, ASIAN, ASIMAR, ASK, ASN, ATP30, B, BA, BC, BCH, BE8, BEC, SCAP, BH, BIG, BJC, BJCHI, BLA, BR, BRI, BROOK, BSM, BYD, CBG, CEN, CHARAN, CHAYO, CHG, CHOTI, CHOW, CI, CIG, CITY, CIVIL, CMC, CPL, CPW, CRANE, CRD, CSC, CSP, CV, CWT, DCC, DHOUSE, DITTO, DMT, DOD, DPAINT, DV8, EASON, EFORL, ERW, ESSO, ESTAR, ETC, ETE, FNS, FPI, FPT, FTE, GBX, GCAP, GENCO, GJS, GTB, GYT, HEALTH, HPT, HTC, HUMAN, HYDRO, ICN, IFS, IIG, IMH, INET, INGRS, INSET, INSURE, IRPC, IT, ITD, J, JAS, JCK, JCKH, JMT, JR, KBS, KCAR, KIAT, KISS, KK, KOOL, KTIS, KUMWEL, KUN, KWC, KWM, L&E, LDC, LEO, LH, LHK, M, MATCH, MBAX, MEGA, META, MFC, MGT, MICRO, MILL, MITSIB, MK, MODERN, MTI, NBC, NCAP, NCH, NDR, NETBAY, NEX, NINE, NATION, NNCL, NOVA, NPK, NRF, NTV, NUSA, NWR, OCC, OGC, ONEE, PACO, PATO, PB, PICO, PIMO, PIN, PJW, PL, PLE, PM, PMTA, PPP, PPPM, PRAPAT, PRECHA, PRIME, PRIN, PRINC, PROEN, PROS, PROUD, PSG, PSTC, PT, PTC, QLT, RCL, RICHY, RJH, ROJNA, RPC, RT, RWI, S11, SA, SABUY, SAK, SALEE, SAMCO, SANKO, SAPPE, SAWAD, SCI, SCP, SE, SECURE, SFLEX, SFP, SFT, SGP, SIAM, SINGER, SKE, SKN, SKR, SKY, SLP, SMART, SMD, SMIT, SMT, SNNP, SNP, SO, SPA, SPD, SPCG, SR, SRICHA, SSF, SSP, STANLY, STC, STPI, SUC, SVOA, SVT, SWC, SYNEX, TAE, TAKUNI, TCC, TCMC, TFG, TFI, TFM, TGH, TIDLOR, TIGER, TIPH, TITLE, TM, TMC, TMD, TMI, TNL, TNP, TNR, TOG, TPA, TPAC, TPCS, TPIPL, TPIPP, TPLAS, TPS, TQR, TRITN, TRT, TRU, TRV, TSE, TVT, TWP, UBE, UEC, UKEM, UMI, UOBKH, UP, UPF, UTP, VIBHA, VL, VPO, VRANDA, WGE, WIJK, WIN, WINMED, WORK, WP, XO, YUASA, ZIGA

Companies with Good CG Scoring

A, A5, AI, ALL, ALPHAX, AMC, APP, AQ, AU, B52, BEAUTY, BGT, BLAND, BM, BROCK, BSBM, BTNC, CAZ, CCP, CGD, CMAN, CMO, CMR, CPANEL, CPT, CSR, CTW, D, DCON, EKH, EMC, EP, EVER, F&D, FMT, GIFT, GLOCON, GLORY, GREEN, GSC, HL, HTECH, IHL, INOX, JAK, JMART, JSP, JUBILE, KASET, KCM, KWI, KYE, LEE, LPH, MATI, M-CHAI, MCS, MDX, MENA, MJD, MORE, MPIC, MUD, NC, NEWS, NFC, NSL, NV, PAF, PEACE, PF, PK, PPM, PRAKIT, PTL, RAM, ROCK, RP, RPH, RSP, SIMAT, SISB, SK, SOLAR, SPACK, SPG, SQ, STARK, STECH, SUPER, SVH, PTECH, TC, TCCC, TCJ, TEAM, THE, THMUI, TKC, TNH, TNPC, TOPP, TPCH, TPOLY, TRUBB, TTI, TYCN, UMS, UNIQ, UPA, UREKA, VARO, W, WFX, WPH, YGG

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 2021 to 27 October 2022) is publicized.

* บริษัทหรือกรรมการหรือผู้บริหารของบริษัทที่เกี่ยวข้องกับการกำกับดูแลกิจการ เช่น การระดมทุนเกี่ยวกับหลักทรัพย์ การทุจริต คอร์รัปชัน เป็นต้น ซึ่งการใช้ข้อมูล CGR ควรระมัดระวังอย่างถึงค่าประกอบด้วย

**Anti-corruption Progress Indicator
Certified (ได้รับรับรอง)**

2S, 7UP, ADVANC, AF, AI, AIE, AIRA, AJ, AKP, AMA, AMANAH, AMATA, AMATAV, AP, APC, AS, ASIAN, ASK, ASP, AWC, AYUD, B, BAFS, BAM, BANPU, BAY, 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, COTTO, CPALL, CPF, CPI, CPL, CPN, CRC, CSC, DCC, DELTA, DEMCO, DIMET, DRT, DUSIT, EA, EASTW, ECF, ECL, EGCO, EP, EPG, ERW, ESTAR, ETC, ETE, FNS, FPI, FPT, FSMART, FSS, FTE, GBX, GC, GCAP, GEL, GFPT, GGC, GJS, GPI, GPSC, GSTEEL, GULF, GUNKUL, HANA, HARN, HEALTH, HENG, HMPRO, HTC, ICC, ICHI, IFS, III, IILINK, ILM, INET, INOX, INSURE, INTUCH, IRC, IRPC, ITEL, IVL, JKN, JR, K, KASET, KBANK, KBS, KCAR, KCE, KGI, KKP, KSL, KTB, KTC, KWI, L&E, LANNA, LHFG, LHK, LPN, LRH, M, MAJOR, MAKRO, MALEE, MATCH, MBAX, MBK, MC, MCOT, META, MFC, MFEC, MILL, MINT, MONO, MOONG, MSC, MST, MTC, MTI, NCAP, NEP, NKI, NOBLE, NOK, NRF, NWR, OCC, OGC, 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, SCB, SCC, SCCC, SCG, SCGP, SCM, SCN, SEAOL, SE-ED, SELIC, SENA, SGP, SINGER, SIRI, SITHAI, SKR, SMIT, SMK, SMP, SNC, SNP, SORKON, SPACK, SPALI, SPC, SPI, SPRC, SRICHA, SSP, SSSC, SST, STA, STGT, STOWER, SUSCO, SVI, SYMC, SYNTEC, TAE, TAKUNI, TASCOT, TCAP, TCMC, TFG, TFI, TFMAMA, TGH, THANI, THCOM, THIP, THRE, THREL, TIDLOR, TIPCO, TISCO, TKS, TKT, TMD, TMILL, TMT, TNITY, TNL, TNP, TNR, TOG, TOP, TOPP, TPA, TPCS, TPP, TRT, TRU, TRUE, TSC, TSI, TSTE, TSTH, TTA, TTB, TTCL, TU, TURTLE, TVDH, TVI, TVO, TWPC, UBE, UBIS, UEC, UKEM, UOBKH, UPF, UV, VCOM, VGI, VIH, WACOAL, WHA, WHAUP, WICE, WIJK, XO, YUASA, ZEN, ZIGA

Declared (ประกาศเจตนารมณ์)

AAI, AH, ASW, BBGI, CBG, CI, CPW, CV, DMT, DOHOME, EKH, EVER, FLOYD, GLOBAL, GREEN, ICN, ITC, J, JAS, JMART, JMT, JTS, LEO, LH, MEGA, MENA, MODERN, NER, OR, OSP, OTO, PRIME, PRTR, RBF, RT, SA, SANKO, SFLEX, SIS, SUPER, SVOA, SVT, TEGH, TGE, TIPH, TKN, TMI, TPLAS, VARO, W, WIN, WPH

N/A

24CS, 3K-BAT, A, A5, AAV, ABM, ACAP, ACC, ACE, ACG, ADB, ADD, AEONTS, AFC, AGE, AHC, AIT, AJA, AKR, AKS, ALL, ALLA, ALPHAX, ALT, ALUCON, AMARC, AMARIN, AMC, AMR, ANAN, AOT, APCO, APEX, APP, APURE, AQUA, ARIN, ARIP, ARROW, ASAP, ASEFA, ASIA, ASIMAR, ASN, ATP30, AU, AUCTION, AURA, B52, BA, BBK, BC, BCT, BDMS, BEAUTY, BEM, BGT, BH, BIG, BIOTEC, BIS, BIZ, BJC, BJCHI, BKD, BLAND, BLESS, BLISS, BM, BOL, BR, BRI, BROCK, BSM, BTG, BTNC, BTW, BUI, BVG, BYD, CAZ, CCET, CCP, CEYE, CGD, CH, CHARAN, CHASE, CHAYO, CHG, CHIC, CHO, CITY, CIVIL, CK, CKP, CMAN, CMO, CMR, CNT, COLOR, COMAN, CPANEL, CPH, CPR, CPT, CRANE, CRD, CSP, CSR, CSS, CTW, CWT, D, DCON, DDD, DEXON, DHOUSE, DITTO, DOD, DPAINT, DTCENT, DTCI, DV8, EASON, EE, EFORL, EMC, ESSO, F&D, FANCY, FE, FMT, FN, FORTH, FTI, FVC, GABLE, GENCO, GIFT, GL, GLAND, GLOCON, GLORY, GRAMMY, GRAND, GSC, GTB, GTV, GYT, HFT, HL, HPT, HTECH, HUMAN, HYDRO, IFEC, IHL, IIG, IMH, IND, INGRS, INSET, IP, IRPC, IT, ITD, ITNS, ITTHI, JAK, JCK, JCKH, JCT, JDF, JSP, JUBILE, KAMART, KC, KCC, KCM, KDH, KEX, KGEN, KIAT, KISS, KJL, KK, KKC, KLINIQ, KOOL, KTIS, KTMS, KUMWEL, KUN, KWC, KWM, KYE, LALIN, LDC, LEE, LIT, LOXLEY, LPH, LST, MACO, MANRIN, MASTER, MATI, MAX, M-CHAI, MCS, MDX, MEB, METCO, MGC, MGT, MICRO, MIDA, MITSIB, MJD, MK, ML, MORE, MOSHI, MPIC, MTW, MUD, MVP, NATION, NC, NCH, NCL, NDR, NETBAY, NEW, NEWS, NEX, NFC, NNCL, NOVA, NPK, NSL, NTV, NUSA, NV, NVD, NYT, OHTL, OISHI, ONEE, PACE, PACO, PAF, PCC, PEACE, PERM, PF, PICO, PIN, PJW, PLE, PLT, PLUS, PMTA, POLAR, POLY, POMPUI, PORT, POST, PPM, PQS, PRAKIT, PRAPAT, PRECHA, PRI, PRIN, PRO, PROEN, PROUD, PSG, PTC, PTL, RAM, RCL, READY, RICHY, RJH, ROCK, ROH, ROJNA, RP, RPC, RPH, RSP, S, S11, SABUY, SAF, SAFARI, SALEE, SAM, SAMART, SAMCO, SAMTEL, SAUCE, SAWAD, SAWANG, SBNEXT, SCAP, SCI, SCP, SDC, SE, SEAFCO, SECURE, SENX, SFP, SFT, SGC, SGF, SHANG, SHR, SIAM, SICT, SIMAT, SISB, SUJWD, SK, SKE, SKN, SKY, SLM, SLP, SM, SMART, SMD, SMT, SNNP, SO, SOLAR, SONIC, SPA, SPCG, SPG, SPVI, SQ, SR, SSC, SSS, STANLY, STARK, STC, STEC, STECH, STHAI, STI, STP, STPI, SUC, SUN, SUTHA, SVR, SWC, SYNEX, TACC, TAPAC, TC, TCC, TCCC, TCJ, TCOAT, TEAM, TEAMG, TEKA, TFM, TGPRO, TH, THAI, THANA, THE, THG, THL, THMUI, TIGER, TITLE, TK, TKC, TLI, TM, TMC, TMW, TNDT, TNH, TNPC, TOA, TPAC, TPBI, TPCH, TPIPL, TPIPP, TPOLY, TPS, TQM, TQR, TR, TRC, TRITN, TRUBB, TRV, TSE, TSF, TTI, TTT, TTW, TVT, TWK, TYCN, UAC, UBA, UMI, UMS, UNIQ, UP, UPOIC, UREKA, UTP, UVAN, VIBHA, VL, VNG, VPO, VRANDA, WARRIX, WAVE, WFX, WGE, WINMED, WINNER, WORK, WORLD, WP, XPG, YGG, YONG

Explanations

Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of April 17, 2023) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.