Petrochemicals

Close: 7/5/2024 692 57 SET Petro Index +3.44 / +0.50% Bt553mn Bloomberg ticker:

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Product spreads improve on cheaper naphtha

Naphtha price turned down 4% WoW to US\$681/t on a decline in oil price on expectations of higher US crude output and hopes for an Israel-Hamas ceasefire, lifting petrochemical product spread by 3-10% WoW. PP spread outperformed, up 10% WoW, but remained below cash cost. Volatile oil price will keep buyers from restocking to avoid inventory losses, in our view, and demand recovery remains slow. We stay cautious on the sector as demand recovery could be derailed by high oil price while the demand-supply imbalance persists.

PE/PP spread surged to a 7-month high. Despite stable PE/PP price WoW, the 4% WoW fall in naphtha cost raised average PE/PP spread to a 7-month high of US\$372/t (+9% WoW) vs. 12MMA of US\$351/t. PP-naphtha spread was only US\$319/t (+10%WoW), dragging average PE/PP spread on a wider demand-supply gap than for PE from new capacity in China and bleak demand. Oil price volatility from geopolitics in the Middle East and Europe kept the market away from stock replenishing as inventories remain sufficient and there is an increasing likelihood of poor downstream demand in 2Q24. This means product spread will rely solely on feedstock cost movement, which is vulnerable to oil price fluctuation.

Aromatics spread up WoW despite lower price. PX and benzene prices slipped 1% and 2% WoW declining from peaks during regional maintenance shutdowns in early Apr. Lower naphtha cost lifted PX to US\$414/t (+4% WoW), but this was still below 12MMA of US\$446/t, reflecting slower demand from downstream PTA where maintenance shutdowns are ongoing. We expect PX spread to gradually improve in coming weeks from higher demand for gasoline blending, which eats into feedstock for PX production. Benzene spread also rose 3% WoW to US\$369/t, far above 12MMA of US\$278/t, reflecting improved buying trends in downstream styrene monomer.

Lower feedstock lifted integrated PET spread to a 20-month high. PET bottle chip price has remained stable at US\$930/t since early Apr but lower feedstock cost (PX and PTA) raised integrated PET spread to a 20-month high of US\$122/t (+8% WoW), surpassing 12MMA of US\$121/t. Demand for PET bottle chips was low during the Labor Day holiday amid high freight rate and volatile oil price. We expect new PET capacity coming onstream over 2Q24-3Q24 to keep buyers sidelined, though summer demand is expected to improve gradually. PET spread in Europe remains strong on the back of the EU's anti-dumping duty on imported PET from China and the situation in the Red Sea that raises freight cost on products imported from Asia.

Valua	Valuation summary														
	Rating	Price			•	٠,	P/BV (x)								
		(Bt)	(Bt)	(%)	24F	25F	24F	25F							
GGC	Underperform	7.6	10.0	35.7	16.1	13.0	0.8	0.7							
IVL	Neutral	23.5	32.0	40.4	7.8	5.4	0.7	0.7							
PTTGC	Neutral	36.0	50.0	42.8	13.3	10.9	0.5	0.5							
Average					12 4	9.8	0.7	0.6							

Source: InnovestX Research

Price performance														
	А	bsolute		Rela	tive to S	ET								
(%)	1M	ЗМ	12M	1M	ЗМ	12M								
GGC	(0.7)	(16.1)	(41.9)	(0.7)	(15.4)	(34.1)								
IVL	(6.9)	(3.7)	(30.9)	(7.0)	(2.8)	(21.5)								
PTTGC	(9.4)	2.1	(14.8)	(9.5)	3.0	(3.3)								

Source: SET and InnovestX Research



Source: SET, InnovestX Research

Analyst

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Key product prices and spread

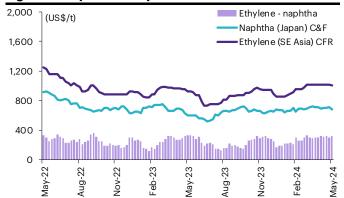
(US\$/t)	Current 3-May-24	-1W	-1M	-3M	-6M	-12M	2Q24 QTD	1Q24	QoQ%	2024 YTD	YoY%	12MMA
Naphtha (Japan) C&F	681	-4%	-2%	4%	4%	14%	697	687	2%	690	0%	652
Ethylene (SE Asia) CFR	1,005	-1%	-1%	5%	6%	9%	1,013	958	6%	973	5%	899
Propylene (SE Asia) CFR	825	-2%	-3%	-18%	3%	-10%	843	895	-6%	881	-6%	834
HDPE (SE Asia Film) CFR	1,040	0%	0%	2%	4%	-3%	1,040	1,025	2%	1,029	-4%	1,017
LDPE (SE Asia Film) CFR	1,140	0%	0%	4%	13%	5%	1,142	1,102	4%	1,113	-2%	1,043
LLDPE (SE Asia Film) CFR	1,030	0%	2%	4%	6%	-1%	1,022	1,008	1%	1,012	-5%	994
PP (SE Asia Inj) CFR	1,000	0%	0%	2%	5%	-5%	1,000	983	2%	988	-6%	965
Related stocks	PTTGC (=)	SCC (+)	IRPC (+)									
Paraxylene (FOB)	1,095	-1%	-3%	1%	0%	1%	1,116	1,097	2%	1,103	-1%	1,099
Benzene (FOB Korea Spot)	1,050	-2%	-4%	6%	15%	19%	1,070	1,008	6%	1,025	8%	928
Related stocks	PTTGC (+)	TOP (+)										
MEG (SE Asia) CFR	520	0%	-3%	-8%	8%	2%	527	550	-4%	543	4%	507
PTA (SE Asia) CFR	790	-1%	-2%	1%	-1%	-2%	801	784	2%	789	-4%	790
PET Bottle (NE Asia) FOB	930	0%	1%	1%	4%	-11%	928	924	0%	925	-7%	927
Related stocks	PTTGC (-)	IVL (+)										
ABS (SE Asia) CFR	1,500	1%	2%	14%	9%	5%	1,482	1,360	9%	1,394	-2%	1,346
PS GPPS (SE Asia) CFR	1,380	0%	3%	10%	9%	5%	1,370	1,266	8%	1,295	0%	1,246
Related stocks	IRPC (+)											
PVC (SE Asia) CFR	790	0%	-2%	0%	3%	-7%	796	787	1%	789	-11%	810
Related stocks	SCC (+)	PTTGC (+)										
Spread												
Ethylene - naphtha	324	6%	1%	7%	11%	-2%	316	272	16%	284	17%	247
Propylene - naphtha	144	7%	-8%	-58%	1%	-56%	146	208	-30%	191	-24%	182
HDPE - naphtha	359	9%	4%	-2%	5%	-24%	343	338	1%	339	-12%	365
LDPE - naphtha	459	7%	3%	3%	30%	-7%	445	415	7%	423	-5%	391
LDPE - Ethylene	135	8%	8%	-7%	125%	-18%	129	143	-10%	139	-31%	143
LLDPE - naphtha	349	9%	10%	3%	12%	-22%	325	322	1%	323	-13%	342
PP - naphtha	319	10%	4%	-3%	9%	-30%	303	297	2%	298	-19%	313
PX - naphtha	414	4%	-5%	-4%	-5%	-16%	419	411	2%	413	-3%	447
BZ - naphtha	369	3%	-7%	8%	46%	29%	373	322	16%	336	32%	276
MEG - Ethylene	-103	n.a.	n.a.	n.a.	n.a.	n.a.	-101	-44	n.a.	-60	n.a.	-50
PTA - PX	56	0%	18%	6%	-15%	-28%	53	49	9%	50	-32%	54
PET spread	74	13%	61%	29%	90%	-58%	60	63	-4%	62	-46%	74
ABS spread	838	4%	6%	15%	1%	-9%	809	749	8%	766	-12%	803
PS spread	259	8%	40%	39%	-6%	-25%	231	192	20%	203	-28%	252
PVC - ethylene	305	1%	-1%	7%	1%	-19%	303	286	6%	291	-33%	346

Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Note: The impact on related stocks is based on WoW change.

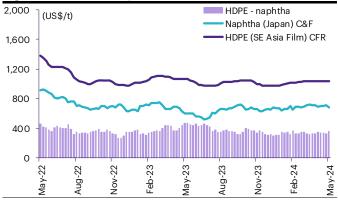






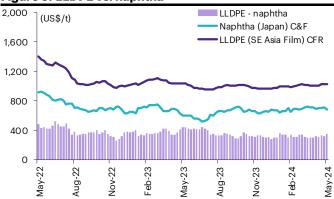
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 3: HDPE vs. naphtha



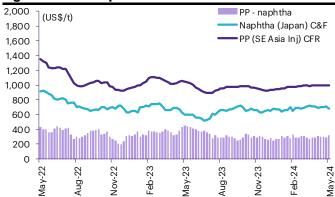
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 5: LLDPE vs. naphtha



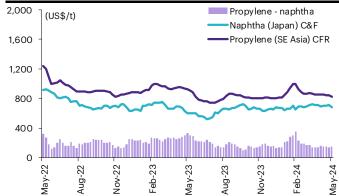
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 7: PP vs. naphtha



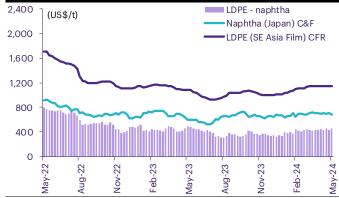
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 2: Propylene vs. naphtha



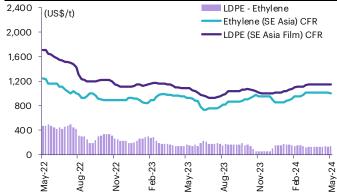
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 4: LDPE vs. naphtha



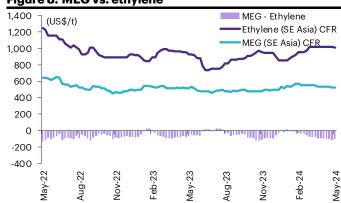
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 6: LDPE vs. ethylene



Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

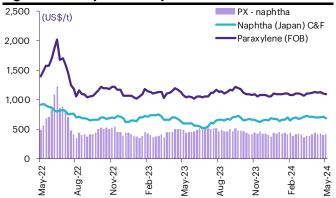
Figure 8: MEG vs. ethylene



Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

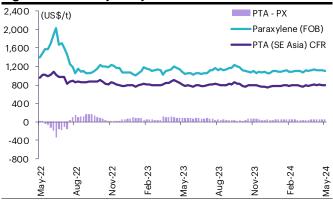






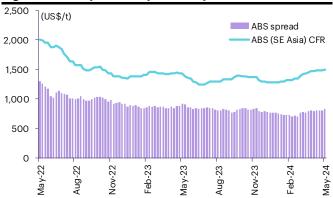
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 11: PTA vs. paraxylene



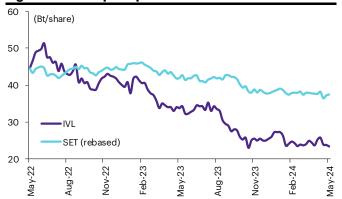
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 13: ABS price and product spread



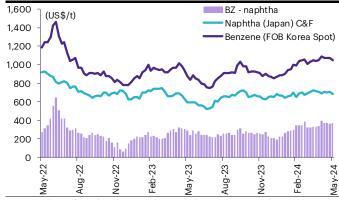
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 15: Share price performance - IVL



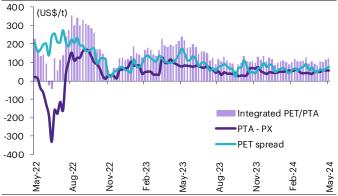
Source: Bloomberg Finance L.P. and InnovestX Research

Figure 10: Benzene vs. naphtha



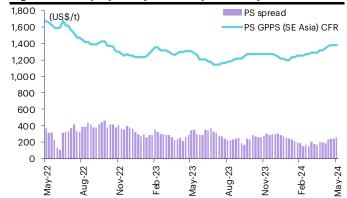
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 12: Integrated PET spread



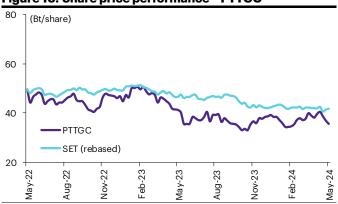
Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 14: Polystyrene price and product spread



Source: Industry data, Bloomberg Finance L.P. and InnovestX Research

Figure 16: Share price performance - PTTGC



Source: Bloomberg Finance L.P. and InnovestX Research





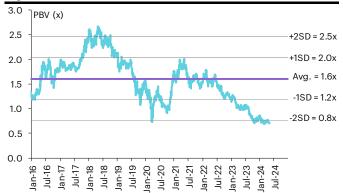
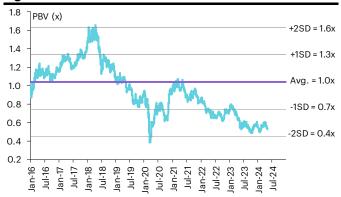


Figure 18: PBV band - PTTGC



Source: InnovestX Research

Source: InnovestX Research

Figure 19: Product spread - heat map

	igare to the due to produce the due to the d														
Product	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	Product
HDPE	583	576	462	505	421	445	368	336	373	436	361	344	338	343	HDPE
LDPE	968	917	740	880	741	782	600	472	446	437	343	363	415	445	LDPE
LLDPE	581	583	510	557	445	477	389	344	369	408	337	319	322	325	LLDPE
PP	754	695	547	550	428	432	352	291	359	393	295	290	297	303	PP
PX	226	312	274	179	286	635	501	468	401	484	490	426	411	419	PX
BZ	188	352	324	198	200	357	272	157	238	270	256	238	322	373	BZ
PS	511	498	450	472	395	305	392	365	285	306	239	281	192	231	PS
ABS	1,925	1,976	1,760	1,785	1,366	1,231	1,024	945	863	863	816	804	749	809	ABS
PET	145	149	118	217	203	201	200	69	109	117	66	69	63	60	PET
Int PET	241	224	209	321	269	172	257	113	166	190	106	112	105	106	Int PET
PVC	619	710	548	629	472	579	446	412	453	354	453	315	286	303	PVC

Source: InnovestX Research

Figure 20: Valuation summary (price as of May 7, 2024)

	Rating	Price	Target	ETR	P	P/E (x)		EPS	EPS growth (%)			P/BV (x)			ROE (%)			Div. Yield (%)			EV/EBITDA (x)		
		(Bt/Sh)	(Bt/Sh)	(%)	23A	24F	25F	23A	24F	25F	23A	24F	25F	23A	24F	25F	23A	24F	25F	23A	24F	25F	
GGC	Underperform	7.55	10.0	35.7	n.m.	16.1	13.0	n.m.	n.m.	24	0.8	0.8	0.7	(2)	5	6	1.3	3.2	3.8	12.2	5.0	4.1	
IVL	Neutral	23.50	32.0	40.4	338.8	7.8	5.4	(99)	4,260	43	0.8	0.7	0.7	0	10	13	3.9	4.3	5.5	8.7	5.1	3.8	
PTTGC	Neutral	36.00	50.0	42.8	n.m.	13.3	10.9	n.m.	n.m.	22	0.6	0.5	0.5	(1)	4	5	2.8	3.9	4.7	9.6	7.3	6.6	
Average					338.8	12.4	9.8	(99)	4,260	30	0.7	0.7	0.6	(1)	6	8	2.7	3.8	4.7	10.2	5.8	4.9	

Source: InnovestX Research

Figure 21: Regional peer comparison

Company		PE (x)		EPS	EPS Growth (%)			PBV (x)			OE (%)		Div.	Yield (%)	EV/EBITDA (x)			
	24F	25F	26F	24F	25F	26F	24F	25F	26F	24F	25F	26F	24F	25F	26F	24F	25F	26F	
Sinopec Shanghai Petrochem	32.6	22.4	22.1	167.7	45.5	1.6	1.2	0.9	1.1	3.2	4.5	5.1	1.4	2.2	2.8	7.7	6.4	5.9	
China Petroleum & Chemical	11.1	10.4	9.9	18.3	6.8	4.9	0.9	0.9	0.9	8.3	8.7	9.0	6.0	6.2	6.5	5.3	4.2	3.6	
PetroChina Co Ltd	7.1	7.0	7.2	7.4	1.7	(2.8)	0.8	0.7	0.7	11.3	10.9	10.1	6.2	6.2	6.5	4.2	4.3	4.1	
Reliance Industries Ltd	23.7	20.8	18.3	14.1	14.1	13.5	2.1	1.9	1.8	9.5	10.0	11.0	0.3	0.4	0.4	12.3	11.0	10.1	
Mitsui Chemicals Inc	11.6	9.1	8.6	27.6	27.9	5.2	1.0	0.9	0.9	9.5	11.1	10.1	3.3	3.5	3.7	7.4	6.4	6.1	
Asahi Kasei Corp	14.8	12.6	11.1	171.3	17.7	13.1	0.9	0.8	0.8	6.1	6.9	7.5	3.3	3.4	3.7	7.1	6.6	5.7	
Sumitomo Chemical Co Ltd	n.m	10.9	7.4	80.2	238.5	46.6	0.6	0.6	0.6	(2.3)	5.8	7.7	2.8	3.5	4.9	n.a.	8.5	6.7	
Lotte Chemical Corp	n.m	10.7	16.0	21.0	1,171.6	(33.0)	0.3	0.3	n.a.	(0.3)	2.7	1.8	2.6	3.2	3.1	10.7	6.9	7.2	
Far Eastern New Century Corp	20.2	17.0	n.m.	1.5	18.9	n.m.	0.8	0.8	n.a	3.8	4.5	n.m.	3.7	4.0	n.a	11.5	11.0	n.a.	
Formosa Chemicals & Fibre	29.7	24.7	n.m.	29.9	20.0	n.m.	1.0	1.0	n.a	2.7	4.0	8.1	2.4	3.4	7.1	16.7	14.1	10.4	
Formosa Plastics Corp	34.2	18.9	n.m.	73.8	80.6	n.m.	1.2	1.1	n.a	3.2	5.9	6.9	2.2	3.9	4.7	36.1	20.9	22.8	
Nan Ya Plastics Corp	28.8	17.8	n.m.	147.3	61.6	n.m.	1.1	1.0	n.a	3.8	6.3	7.2	2.5	4.3	4.9	16.5	12.1	11.4	
Formosa Petrochemical Corp	28.4	20.8	13.9	9.5	36.5	50.0	2.0	1.9	1.6	7.2	8.8	n.m.	2.9	3.4	5.3	14.6	11.5	8.7	
Petronas Chemicals Group Bhd	20.4	16.7	16.3	59.9	21.8	2.7	1.3	1.3	1.3	6.3	7.9	7.3	2.7	3.3	3.4	10.3	8.9	8.8	
Indorama Ventures PCL	15.5	10.1	8.9	173.7	53.7	12.9	0.8	0.7	0.7	4.7	7.0	8.5	2.5	3.5	4.0	7.6	6.8	6.5	
IRPC PCL	18.6	13.0	9.9	174.3	42.3	31.8	0.5	0.5	0.5	2.4	4.7	5.5	1.9	3.4	3.1	9.4	7.7	7.1	
PTT Global Chemical PCL	27.1	11.8	10.4	504.1	128.8	14.0	0.7	0.5	0.5	5.9	4.7	5.4	6.6	3.9	4.1	9.6	8.0	7.8	
Global Green Chemicals	15.6	12.3	10.8	342.5	26.8	13.8	0.8	0.7	0.7	5.0	6.0	6.6	2.7	4.1	3.7	7.0	6.4	6.0	
Alpek SA de CV	15.6	10.8	7.4	116.2	43.8	47.5	0.8	0.8	0.8	0.4	8.9	11.8	2.0	7.6	7.0	5.9	5.1	4.3	
Eastman Chemical Co	13.1	11.1	10.3	(0.3)	18.2	8.4	2.0	1.8	1.7	15.6	16.8	17.5	3.3	3.5	3.7	9.0	8.2	7.7	
Average	20.4	14.4	11.8	107.0	103.8	14.4	1.0	1.0	1.0	5.3	7.3	8.2	3.1	3.8	4.3	11.0	8.8	7.9	

Source: Bloomberg Finance L.P., InnovestX Research



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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, EPR, ERW, ETC, ETE, FLOYO, 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, IRC, 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, SEAOIL, SECURE, SELIC, SENA, SENX, SFP², SFT, SGC, SGF, SGP, SHR, SICT, SIRI, SIS, SITHAI, SJWD, SKR, SM, SMPC, SMT, SNC, SNNP, SNP, SO, PSPALI, SPC, SPCG, SPI, SPRC, SR, SSC, SSF, SSSC, STA, STC, STC, STGT, STI, SUC, SUN, SUSCO, SUTHAA, SVI, SVT, SYMC, SYNEX, SMT, TNITT, TNLT, TNCT, TNITT, TNCT, TNITT, TNCT, TNITT, TNCT, TNT, TROT, THBI, TPCS, TPIPL, TPIPP, TPS, TQM, TQR, TRT, TRUE, TRV, TSC, TSTE, TSTH, TTA, TTB, TTCL, TTVH, TUHC, TVM, TWPC, UAC, UBE, UBIS, UKEM, UP, UPF, UPOIC, UV, VCOM, VGI, VIBHA, VII, VL

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, TITLE, 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.

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

 2 SFP 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 (ໄດ້ຮັບการรับรอง)

25, 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, KCCAMC, KCE, KGEN, KGI, KKP, KSL, KTB, KTC, L&E, LANNA, LHFG, LHK, LPN, LRH, M, 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, GTC, RABBIT, RATCH, RML, RS, RWI, S&J, SAAM, SABINA, SAK, SAPPE, SAT, SC, SCC, SCG, SCGP, SCM, SCN, SEAOIL, 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, SYNTEO, 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, TPP, 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 (ประกาศเจตนารมณ์)

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, PEER, 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, APO, APP, APURE, AQUA, ARIN, ARIP, ARROW, ASAP, ASEA, ASIA, ASIMAR, ASN, ATP30, AU, AUCT, AURA, B52, BA, BBIK, BC, BCT, BDMS, BEAUTY, BEM, BGT, BH, BIG, BIOTEC, BIS, BIZ, BJC, BJCHI, BKD, BKGI, BLC, BLESS, BLISS, BM, BOL, BPS, 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, DTCI, DV8, EASON, ECL. EE, EFORL, EMC, ETL, EURO, 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, 12, IFEC, IIG, IMH, IND, INGRS, INSET, IP, IRC, IRCP, IT, ITD, ITNS, ITTHI, JAK, JCK, JCKH, JCT, JDF, JPARK, JSP, JUBILE, K, KAMART, KC, KCG, KCM, KDH, KEX, KIAT, KISS, KJL, KK, KKC, KLINIQ, 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, NAT, NC, NCH, NCL, NDR, NEO, NETBAY, NEW, NEWS, NFC, NL, NNCL, NOK, NOVA, NPK, NSL, NTSC, NTV, NUSA, NV, NVD, NYT, OHTL, ONEE, ORN, PACE, PACO, PAF, PANEL, PCC, PEACE, PERM, PF, PHG, PICO, PIN, PJW, PLE, PLT, PMTA, POLAR, PORT, POST, PPM, PRAKIT, PRAPAT, PRECHA, PRI, PRIN, PRO, PROUD, PSG, PSP, PTC, PTL, QTCG, 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, SPREME, SPVI, SQ, SR, SRS, SSC, STANLY, STARK, STC, STEC, STECH, STHAI, STI, STP, STPI, STX, SUC, SUN, SUPER, SUTHA, SVR, SVT, SWC, SYNEX, TACC, TAN, TAPAC, TC, TCC, TCJ, TCOAT, TEAM, TEAMG, TEKA, TERA, TFM, TGPRO, TH, THAI, THANA, THE, THG, THMUI, TIGER, TITLE, TK, TKC, TLI, TM, TMC, TMI, TMW, TNDT, TNH, TNPC, TOA, TPBI, TPCH, TPIPP, TPL, TPOLY, TPP, TPS, 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, WELL, 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.