SET ESG Rating of AAA

Outperform · Upgraded

Price as of 17 Jan 2024	35.25
12M target price (Bt/shr)	46.00
Unchanged/Revised up(down)(%)	(6.1)
Upside/downside (%)	30.5

Key messages

เราคาควากำไรสุทธิของ PTTGC ใน 4Q66F จะอยู่ที่ 4.5 พันล้านบาท (+567% YoY, +217% QoQ) โดยกำไรที่เพิ่มขึ้น อย่างมากทั้ง YoY และ QoQ จะมาจากกำไรพิเศษ (ก่อนหัก ภาษี) สองรายการ ได้แก่ i) กำไร ประมาณ 3.75 พันล้านบาท จากการขายหุ้น GC Logistics (GCL) ซึ่งทำให้สัดส่วนการ ถือหุ้นลดลงจาก 100% เหลือ 50% และ ii) กำไรประมาณ 1.5 พันล้านบาทจากการซื้อคืนพันธบัตรในสหรัฐซึ่งมียอดเงิน ต[ุ]้น 214 ล้านคอลลาร์ใน 4Q66 แต่หากไม่รวมสองรายการนี้ เราคาดว่ากำไรจากธุรกิจหลักจะลดลง QoQ เนื่องจาก market GRM ลดลง, มีผลขาดทุนจากสตีอกน้ำมันเพิ่มขึ้น และอัตรา การใช้กำลังการผลิตของ olefins ลดลง เราปรับลดราคา เป้าหมายปี 2567F ลงเหลือ 46.00 บาท จาก 49.00 บาท โดย อิงจาก i) EV/EBITDA ที่ 8.0x และ ii) EBITDA ปี 2025F แล้วหักส่วนลดกลับมาหนึ่งปี โดยใช WACC ที่ 7.1% เพื่อ สะท้อนถึงส่วนลด 5% เนื่องจากความกังวลเกี่ยวกับโอกาสที่ ต้นทุนกาซอีเทนซึ่งใช้เป็น feedstock ในระยะยาวจะปรับ เพิ่มขึ้น หลังจากที่รัฐบาลเข้ามาแทรกแซงต้นทุน GSP ของ PTT ดวยการกำหนดให้ใช้โครงสร้างราคา Single Pool Gas Price ใหม่ แต่อยางไรกี่ตาม เรายังคงคำแนะนำซื้อ PTTGC จากความหวังว่า polyolefins (PE) จะฟื้นตัวขึ้นในปีนี้ โดยเฉพาะใน 2H67F

Trading data

Mkt cap (Btbn/US\$mn)	15	59/4,523	
Outstanding shares (m	n)		4,509
Foreign ownership (mr		508	
3M avg. daily trading (11.95	
52-week trading range	32.50	-51.50	
Performance (%)	3M	6M	12M
Absolute	(4.1)	(31.6)	
Relative	6.2	(16.5)	

Quarterly EPS

Bt	1Q	2Q	3Q	4Q	
2021	2.15	5.55	1.55	0.72	
2022	0.58	0.31	(2.97)	0.15	
2023	0.02	(1.24)	0.32		

Share price chart



Source: SET

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COMPANY UPDATE

Thailand

PTT Global Chemical

(PTTGC.BK/PTTGC TB)*

ประมาณการ 4Q66F: มีกำไรก้อนใหญ่จากสองรายการพิเศษ

Event

ประมาณการ 4Q66F

Impact

คาดว่ากำไรใน 4Q66F จะเพิ่มขึ้นถึง 567% YoY และ 217% QoQ

เราคาควากำูไรสุทธิของ PTTGC ใน 4Q66F จะอยู่ที่ 4.5 พันถานบาท (+567% YoY, +217% QoQ) โดย ้กำไรที่เพิ่มขึ้นอยางมากทั้ง YoY และ QoQ จะมาจากกำไรพิเศษ (กอนหักภาษี) สองรายการไดูแก i) กำไร ประมาณ 3.75 พันถานบาทจากการขายหุน GC Logistics (GCL) ซึ่งทำใหล้คลวนการถือหุนลคลงจาก 100% เหลือ 50% และ ii) กำไรประมาณ 1.5 พันถานบาทูจากการซื้อคืนหุ้นกู้สหรัฐซึ่งมียอดเงินต้น 214 ล้านคอลลาร์ฯ ใน 4Q66 แต่หากไม่รวมสองรายการนี้ เรากาควากำไรจากธุรกิจหลักจะลดลง QoQ เนื่องจาก market GRM ลดลง, มีผลขาดทุนจากสตีอกน้ำมันเพิ่มขึ้น และอัตราการใช้กำลังการผลิตของ olefins ลดลง โดยเราคาควา market GRM ของ PTTGC จะลดลง 27% QoQ เหลือ US\$9.2/bbl เพราะ spread ของน้ำมันเครื่องบินและน้ำมันดีเซลลคลงเหลือ US\$23.6/bbl และ US\$21.1/bbl ตามลำดับ และ crude premium เพิ่มขึ้นเป็น US\$7.0/bbl นอกจากนี้ เรายังคาควาบริษัทจะบันทึกผลขาดทุนจากสต็อก นำมัน 3.4 พันลานบาท แยลง QoQ จากที่มีกำไรจากสต็อกนำมัน 3.7 พันลานบาท เพราะราคานำมันดิบ คูไบลคลง US\$16/bbl จากเคือนกันยายนถึงชั้นวาคม ยิงไปกวานั้น เรายังคาควาอัตราการใชกำลังการผลิต ของโอเลฟินส์จะลดลง QoQ จาก 89% เหลือ 80% เพราะมีการปิดโรงงาน OLE1 กำลังการผลิต 488KTA นาน 37 วัน ในขณะเดียวกันราคา HDPE, LLPDE และ LDPE แทบไมเปลี่ยนแปลง QoQ อยู่ที่ US\$1,022/ton, US\$975/ton และUS\$1,005/ton ตามลำคับ ทำให้อัตรากำไรขั้นตนของผลิตภัณฑ olefins ที่ผลิตจากกาซทรงตัว QoQ แต่อยางไรก็ตาม เราคาควากำไรจากธุรกิจ aromatics จะเพิ่มขึ้น QoQ เพราะ ใม่มีการปิดโรงงาน Aromatics II ตามแผนนาน 37 วันเหมือนกับใน 3Q66

ติดตามความคืบหน้าของการเจรจาระหว่าง PTT-PTTGC จากผลกระทบของ Single Pool Gas Price ตามโครงสร้าง Single Pool Gas Price ใหม่ของประเทศไทย ซึ่งจะทำให้ตนทุนการดำเนินงานของโรง แยกฎาช (GSP) สูงขึ้น เราคาควา PTT Pcl. (PTT.BK/PTT TB)* จะเจรจากับ PTTGC ขอปรับสัญญาชื่อ ขายกาชอีเทน (Ethane Gas Sales Agreement) ซึ่งผูกอยู่กับราคาผลิตภัณฑ์ polyethylene (PE) เทานั้น เพื่อ ลูดภาระจากโครงสร้าง Single Pool Gas Price ใหม่ แต่อย่างไรก็ตาม เราเชื่อว่าการเจรจาสัญญาชื้อขาย กาชอีเทนฉบับใหม่ระหว่าง PTT และ PTTGC จะใช้เวลานาน (6-12 เดือน) ดังนั้น PTT จึงนาจะเป็น บริษัทเดียวที่รับผลกระทบจากโครงสร้างราคากาชใหม่ในปีนี้ไปเต็มๆ โดยในปัจจุบัน PTTGC ยืนยันว่า ยังชื่อกาชอีเทนโดยไม่มีการปรับสูตรคำนวณราคา

Valuation & action

เราปรับลดราคาเป้าหมายปี 2567F ลงเหลือ 46.00 บาท จาก 49.00 บาท โดยอิงจาก i) EV/EBITDA ที่ 8.0x และ ii) EBITDA ปี 2025F แลวหักสวนลดกลับมาหนึ่งปี โดยใช WACC ที่ 7.1% เพื่อสะทอนถึงสวนลด 5% เนื่องจากความกังวลเกี่ยวกับโอกาสที่ตนทุนกาชอีเทนซึ่งใช้เป็น feedstock ในระยะยาวจะปรับ เพิ่มขึ้น หลังจากที่รัฐบาลเขามาแทรกแซงตนทุน GSP ของ PTT ดวยการกำหนดให้ใชโครงสรางราคา Single Pool Gas Price ใหม่ แต่อยางไรก็ตาม เรายังคงคำแนะนำชื่อ PTTGC จากความหวังว่า polyolefins (PE) จะฟื้นตัวขึ้นในปีนี้ โดยเฉพาะใน 2H67F

Risks ความผันผวนของราคาน้ำมันคิบ, GRM และ spread ปีโตรเคมี

Key financials and valuation

	Dec-21A	Dec-22A	Dec-23F	Dec-24F	Dec-25F
Revenue (Bt mn)	468,953	683,954	616,079	601,747	599,910
Gross profit (Bt mn)	59,170	54,002	45,653	49,476	54,888
EBIT (Bt mn)	49,779	18,975	14,169	17,813	22,932
Net profit (Bt mn)	44,982	(8,752)	1,127	7,263	14,739
EPS (Bt)	9.98	(1.94)	0.25	1.61	3.27
DPS (Bt)	3.75	1.00	1.00	1.00	1.63
EPS growth (%)	22,435	N.A.	N.A.	544.2	102.9
P/E (x)	5.9	N.A.	141.0	21.9	10.8
P/B (x)	0.8	0.7	0.6	0.5	0.5
EV/EBITDA (x)	5.9	9.7	10.0	8.2	6.5
Net debt to equity (x)	0.6	0.9	0.8	0.8	0.7
Dividend yield (%)	6.4	2.1	2.8	2.8	4.6
Return on avg. equity (%)	14.6	(2.8)	0.4	2.4	4.9



Figure 1: Expect 4Q23F earnings of Bt4.5bn, up 567% YoY and 217% QoQ

Bt mn	4Q23F	4Q22	YoY (%)	3Q23	QoQ (%)	2023F	2022	YoY (%)
Revenue	154,124	126,442	21.9	161,678	(4.7)	611,898	683,954	(10.5)
Cost of goods sold	(146,243)	(121,840)	20.0	(145,548)	0.5	(573,391)	(629,952)	(9.0)
Gross profit	7,881	4,603	71.2	16,130	(51.1)	38,507	54,002	(28.7)
Operating expenses	(8,900)	(10,854)	(18.0)	(8,645)	2.9	(34,499)	(38,973)	(11.5)
Other incomes	2,435	1,725	41.1	1,516	60.6	5,952	3,946	50.9
Operating profit	1,416	(4,526)	N.A.	9,001	(84.3)	9,961	18,975	(47.5)
Depreciation of fixed assets	7,200	6,995	2.9	7,200	0.0	28,397	27,563	3.0
Operating EBITDA	8,616	2,470	248.9	16,201	(46.8)	38,358	46,537	(17.6)
Non-operating income	963	-	N.A.	-	N.A.	3,224	-	N.A.
Non-operating expenses	(3,000)	(6,084)	(50.7)	(4,936)	(39.2)	(13,607)	(32,861)	(58.6)
Net Investment income/(loss)	191	555	(65.6)	(263)	N.A.	(725)	3,496	N.A.
Pre-tax profit	(430)	(10,055)	95.7	3,802	N.A.	(1,148)	(10,390)	89.0
Current taxation	(918)	2,028	N.A.	(467)	96.7	(1,071)	2,273	N.A.
Minorities	(15)	9	N.A.	(30)	(49.2)	(84)	1,116	N.A.
Extraordinary items	5,856	8,714	(32.8)	(1,938)	N.A.	2,576	481	435.3
Net profit	4,523	678	567.2	1,427	217.1	441	(8,752)	N.A.
EPS (Bt)	1.00	0.15	567.2	0.32	217.1	0.10	(1.94)	N.A.
Percent	4Q23F	4Q22	YoY (ppts)	3Q23	QoQ (ppts)	2023F	2022	YoY (ppts)
Gross profit margin	5.1	3.6	1.5	10.0	(4.9)	6.3	7.9	(1.6)
EBITDA margin	5.6	2.0	3.6	10.0	(4.4)	6.3	6.8	(0.5)
Net margin	2.9	0.5	2.4	0.9	2.1	0.1	(1.3)	1.4

Source: Company data, KGI Securities Research

	4Q23F	4Q22	YoY (%)	3Q23	QoQ (%)
Refinery					
Dubai crude price (US\$/bbl)	84	85	(1.5)	87	(3.7)
Market GRM (US\$/bbl)	9.2	9.7	(5.5)	12.6	(27.2)
Stock gain/(loss) (Bt mn)	(3,422)	(3,518)	2.7	3,674	N.A.
Crude run (KBD)	152	81	87.0	152	(0.2)
<u>Olefins</u>					
HDPE-naphtha (US\$/ton)	363	361	0.6	384	(5.5)
LLDPE-naphtha (US\$/ton)	316	326	(3.1)	343	(7.9)
LDPE-naphtha (US\$/ton)	346	437	(20.8)	345	0.3
PP-naphtha (US\$/ton)	309	322	(4.0)	321	(3.7)
Olefins utilization rate (%)	80	76	5.3	89	(10.1)
Polymer utilization rate (%)	100	95	5.4	109	(8.1)
<u>Aromatics</u>					
PX-condensate (US\$/ton)	340	249	36.5	357	(4.8)
BZ-condensate (US\$/ton)	201	92	118.5	183	9.8
Aromatics utilization rate (%)	90	82	9.8	69	30.4
Phenol & BPA					
Phenol-BZ (US\$/ton)	64	269	(76.2)	89	(28.1)
BPA-phenol (US\$/ton)	327	369	(11.4)	269	21.6
<u>PTTAC</u>					
ACN-propylene (US\$/ton)	428	681	(37.2)	348	23.0
MMA-naphtha (US\$/ton)	902	920	(2.0)	928	(2.8)
Note for PTTGC's olefins					
HDPE price (US\$/ton)	1,022	1,034	(1.2)	1,032	(1.0)
LLDPE price (US\$/ton)	975	999	(2.4)	991	(1.6)
LDPE price (US\$/ton)	1,005	1,110	(9.5)	993	1.2
HDPE-ethane (US\$/ton)	615	617	(0.3)	622	(1.1)
LLDPE-ethane (US\$/ton)	568	582	(2.4)	581	(2.3)
LDPE-ethane (US\$/ton)	598	693	(13.7)	583	2.6



Figure 3: Sensitivity of impact between PTT and PTTGC from the new Single Pool Gas Price structure (we expect PTT to absorb the full Bt13.6bn impact for this year.)

	Proportio	n of impact	b.	TT		PTTGC			
Case	PTT	PTTGC	Our previous earnings forecast in 2024F (Bt mn)	Impact (Bt mn)	Downside (%)	Our current earnings forecast in 2024F (Bt mn)	Impact (Bt mn)	Downside (%)	
1	100%	0%	101,786	13,589	13.4%	7,263	0	0.0%	
2	95%	5%	101,786	13,236	13.0%	7,263	679	9.4%	
3	90%	10%	101,786	12,882	12.7%	7,263	1,359	18.7%	
4	80%	20%	101,786	12,176	12.0%	7,263	2,718	37.4%	
5	70%	30%	101,786	11,469	11.3%	7,263	4,077	56.1%	
6	60%	40%	101,786	10,763	10.6%	7,263	5,436	74.8%	
7	50%	50%	101,786	10,056	9.9%	7,263	6,795	93.5%	

Source: Company data, KGI Securities Research

	2021	2022	2023F	2024F	2025F
<u>Benchmark</u>					
Dubai crude (US\$/bbl)	69	96	85	75	70
Jet oil spread (US\$/bbl)	5.8	30.3	23.0	20.0	20.0
Diesel spread (US\$/bbl)	6.7	34.3	23.0	20.0	20.0
LSFO spread (US\$/bbl)	6.1	13.0	3.5	5.0	5.0
<u>Refinery</u>					
Base GRM (US\$/bbl)	3.8	12.1	8.6	7.9	8.1
Crude run (KBD)	138	129	146	150	150
<u>Olefins</u>					
HDPE-naphtha (US\$/ton)	536	418	400	450	500
LLDPE-naphtha (US\$/ton)	554	423	400	450	500
LDPE-naphtha (US\$/ton)	870	643	400	450	500
PP-naphtha (US\$/ton)	675	422	370	400	450
Olefins utilization rate (%)	91*	80	81	85	90
Polymer utilization rate (%)	103	98	102	104	104
<u>Aromatics</u>					
PX-condensate (US\$/ton)	259	275	350	330	350
BZ-condensate (US\$/ton)	318	198	210	220	230
Utilization rate (%)	99	88	91	95	95
Phenol & BPA					
Phenol-BZ (US\$/ton)	263	281	90	150	250
BPA-phenol (US\$/ton)	1,712	551	290	320	350
<u>PTTAC</u>					
ACN-propylene (US\$/ton)	1,273	697	500	600	700
MMA-naphtha (US\$/ton)	1,339	1,089	950	1,050	1,150
Note for PTTGC's olefins					
HDPE price (US\$/ton)	1,182	1,203	1,079	1,046	1,053
LLDPE prcie (US\$/ton)	1,200	1,208	1,079	1,046	1,053
LDPE price (US\$/ton)	1,516	1,428	1,079	1,046	1,053
HDPE-ethane (US\$/ton)	698	719	661	639	644
LLDPE-ethane (US\$/ton)	716	724	661	639	644
LDPE-ethane (US\$/ton)	1,032	944	661	639	644

*New capacity of 500KTA ethylene and 250KTA propylene in 2Q21



Figure 5: Company profile

PTT Global Chemical (PTTGC) was founded on October 19, 2011, through the amalgamation of PTT Chemical Public Company Limited and PTT Aromatics and Refining Public Company Limited to be the chemical flagship of PTT Group. The integration results in reaching a total Olefins and Aromatics production capacity of 8.75MTA together with 280KBD of crude oil and condensate refining capacity, making it Thailand's largest and Asia's leading integrated petrochemical and refining company.

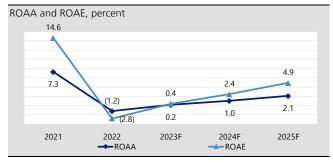
Source: Company data, KGI Securities Research

Figure 7: Gross profit



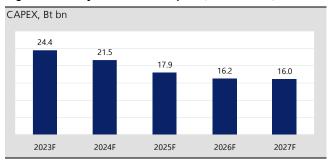
Source: Company data, KGI Securities Research

Figure 9: Company ROAA and ROAE



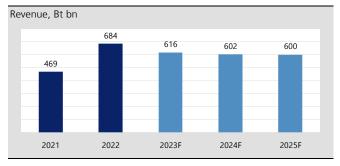
Source: Company data, KGI Securities Research

Figure 11: Five-year investment plan (2023F-2027F)



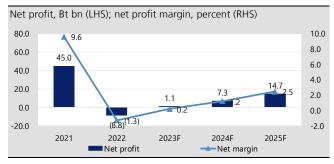
Source: Company data, KGI Securities Research

Figure 6: Revenue



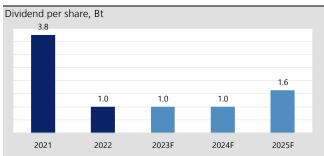
Source: Company data, KGI Securities Research

Figure 8: Net profit



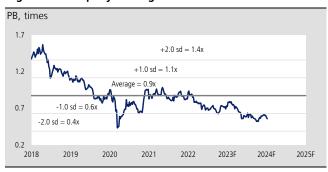
Source: Company data, KGI Securities Research

Figure 10: Dividend



Source: Company data, KGI Securities Research

Figure 12: Company trading PB



Source: KGI Securities Research



Quarterly Income Statement

(Bt mn)	Mar-21A	Jun-21A	Sep-21A	Dec-21A	Mar-22A	Jun-22A	Sep-22A	Dec-22A	Mar-23A	Jun-23A	Sep-23A	Dec-23F
Income Statement (Bt mn)												
Revenue	102,676	112,627	113,189	140,461	176,767	197,603	183,141	126,442	148,147	147,949	161,678	154,124
Cost of Goods Sold	(87,920)	(96,409)	(97,421)	(128,033)	(156,957)	(171,442)	(179,713)	(121,840)	(138,948)	(142,652)	(145,548)	(146,243)
Gross Profit	14,756	16,218	15,768	12,428	19,810	26,161	3,428	4,603	9,199	5,297	16,130	7,881
Operating Expenses	(3,955)	(4,417)	(4,998)	(8,357)	(9,652)	(9,139)	(9,328)	(10,854)	(8,471)	(8,482)	(8,645)	(8,900)
Other incomes	408	10,928	567	433	811	818	591	1,725	680	1,321	1,516	2,435
Operating Profit	11,209	22,729	11,338	4,503	10,970	17,840	(5,310)	(4,526)	1,408	(1,864)	9,001	1,416
Depreciation of fixed assets	5,458	5,589	5,837	5,854	6,809	6,732	7,027	6,995	6,965	7,032	7,200	7,200
Operating EBITDA	16,666	28,318	17,175	10,357	17,778	24,572	1,717	2,470	8,373	5,168	16,201	8,616
Non-Operating Income	0	0	0	1,270	0	0	0	0	555	1,706	0	963
Interest Income	0	0	0	0	0	0	0	0	0	0	0	0
Other Non-op Income	0	0	0	1,270	0	0	0	0	555	1,706	0	963
Non-Operating Expenses	(1,915)	(3,587)	(6,128)	(1,528)	(9,603)	(13,450)	(3,723)	(6,084)	(2,786)	(2,885)	(4,936)	(3,000)
Interest Expenses	(1,184)	(1,530)	(1,704)	(1,528)	(2,101)	(2,428)	(2,741)	(2,566)	(2,786)	(2,885)	(2,999)	(3,000)
Other Non-op Expenses	(731)	(2,057)	(4,424)	0	(7,503)	(11,022)	(982)	(3,519)	0	0	(1,937)	0
Net Investment Income/(Loss)	1,893	2,324	1,154	1,471	1,142	1,549	250	555	(244)	(408)	(263)	191
Pre-tax Profit	11,187	21,466	6,363	5,716	2,509	5,939	(8,783)	(10,055)	(1,068)	(3,451)	3,802	(430)
Current Taxation	(721)	(5,591)	(727)	(190)	(38)	255	28	2,028	43	271	(467)	(918)
Minorities	132	141	233	61	470	438	200	9	(23)	(16)	(30)	(15)
Extraordinary items	(639)	9,300	1,602	(2,217)	595	(4,378)	(4,449)	8,714	1,085	(2,427)	(1,938)	5,856
Net Profit	9,695	25,035	7,005	3,248	2,596	1,378	(13,404)	678	82	(5,591)	1,427	4,523
EPS (Bt)	2.15	5.55	1.55	0.72	0.58	0.31	(2.97)	0.15	0.02	(1.24)	0.32	1.00
Margins												
Gross profit margin	14.4	14.4	13.9	8.8	11.2	13.2	1.9	3.6	6.2	3.6	10.0	5.1
Operating EBIT margin	10.9	20.2	10.0	3.2	6.2	9.0	(2.9)	(3.6)	1.0	(1.3)	5.6	0.9
Operating EBITDA margin	16.2	25.1	15.2	7.4	10.1	12.4	0.9	2.0	5.7	3.5	10.0	5.6
Net profit margin	9.4	22.2	6.2	2.3	1.5	0.7	(7.3)	0.5	0.1	(3.8)	0.9	2.9
Growth												
Revenue growth	9.5	61.0	46.7	59.0	72.2	75.4	61.8	(10.0)	(16.2)	(25.1)	(11.7)	21.9
Operating EBIT growth	N.A.	2,238.0	657.8	(23.7)	(2.1)	(21.5)	N.A.	N.A.	(87.2)	N.A.	N.A.	N.A.
Operating EBITDA growth	N.A.	372.8	161.2	(7.4)	6.7	(13.2)	(90.0)	(76.2)	(52.9)	(79.0)	843.6	248.9
Net profit growth	N.A.	1,398.4	671.2	(49.3)	(73.2)	(94.5)	N.A.	(79.1)	(96.8)	N.A.	N.A.	567.2



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As of 31 Dec (Bt mn)	2021	2022	2023F	2024F	2025F
Total Assets	747,481	719,965	719,024	706,727	702,293
Current Assets	209,092	172,009	182,807	185,252	199,362
Cash & ST Investments	74,994	31,963	48,609	54,342	69,467
Inventories	71,553	76,619	68,764	66,575	65,701
Accounts Receivable	50,540	45,254	47,261	46,161	46,020
O thers	12,004	18,173	18,173	18,173	18,173
Non-current Assets	538,389	547,957	536,217	521,475	502,931
LT Investments	80,780	87,311	87,311	87,311	87,311
Net fixed Assets	301,042	296,321	292,561	285,400	274,058
O thers	156,567	164,325	156,345	148,764	141,563
Total Liabilities	419,878	421,138	423,578	408,527	396,724
Current Liabilities	147,003	103,976	107,534	103,545	102,750
Accounts Payable	70,111	57,613	62,512	60,523	59,728
ST Borrowings	41,877	15,613	14,272	12,272	12,272
O thers	35,015	30,750	30,750	30,750	30,750
Long-term Liabilities	272,875	317,161	316,044	304,982	293,973
Long-term Debts	233,497	286,241	285,124	274,062	263,053
O thers	39,377	30,920	30,920	30,920	30,920
Shareholders' Equity	327,603	298,828	295,446	298,201	305,570
Common S tock	45,088	45,088	45,088	45,088	45,088
Capital Surplus	51,533	41,165	41,165	41,165	41,165
Retained Earnings	230,982	212,574	209,193	211,947	219,316
Preferred Stock	0	0	0	0	0

Source: KGI Securities Research

Key Ratios					
Year to 31 Dec (Bt mn)	2021	2022	2023F	2024F	2025F
Forecast Drivers					
Growth (% YoY)					
Sales	42.4	45.8	(9.9)	(2.3)	(0.3)
OP	N.A.	(61.9)	(25.3)	25.7	28.7
EBITDA	241.9	(37.0)	(18.4)	16.5	17.6
NP	22,435.5	N.A.	N.A.	544.2	102.9
EPS	22,435.5	N.A.	N.A.	544.2	102.9
Profitability (%)					
Gross Margin	12.6	7.9	7.4	8.2	9.1
Operating Margin	10.6	2.8	2.3	3.0	3.8
EBITDA Margin	16.9	7.3	6.6	7.9	9.3
Net Profit Margin	9.6	(1.3)	0.2	1.2	2.5
ROAA	7.3	(1.2)	0.2	1.0	2.1
ROAE	14.6	(2.8)	0.4	2.4	4.9
Stability					
Gross Debt/Equity (%)	84.1	101.0	101.3	96.0	90.1
Net Debt/Equity (%)	61.2	90.3	84.9	77.8	67.4
Interest Coverage (x)	9.8	(0.1)	1.1	1.7	2.5
Interest & ST Debt Coverage (x)	1.2	(0.0)	0.5	0.8	1.2
Cash Flow Interest Coverage (x)	11.5	(0.3)	3.4	3.3	4.1
Cash Flow/Interest & ST Debt (x)	1.4	(0.1)	1.5	1.6	1.9
Current Ratio (x)	1.4	1.7	1.7	1.8	1.9
Quick Ratio (x)	0.9	0.9	1.1	1.1	1.3
Net Debt (Bt mn)	200,381	269,892	250,787	231,992	205,858
Per Share Data (Bt)					
EPS	10.0	(1.9)	0.3	1.6	3.3
CFPS	15.2	(0.8)	8.6	8.0	9.6
BVPS	70.6	64.6	63.9	64.5	66.1
SPS					
E B IT D A/S hare	17.6	11.1	9.1	10.5	12.4
DPS	3.8	1.0	1.0	1.0	1.6
Activity					
Asset Turnover (x)	0.8	0.9	0.9	0.8	0.9
Days Receivables	39.3	24.2	28.0	28.0	28.0
Days Inventory	63.7	44.4	44.0	44.0	44.0
Days Payable	17.1	9.1	11.0	11.0	11.0
Cash Cycle	86.0	59.4	61.0	61.0	61.0

Source: KGI Securities Research

Profit & Loss

Year to 31 Dec (Bt mn)	2021	2022	2023F	2024F	2025F
Revenue	468,953	683,954	616,079	601,747	599,910
Cost of Goods Sold	(409,783)	(629,952)	(570,426)	(552,271)	(545,022)
G ross Profit	59,170	54,002	45,653	49,476	54,888
Operating Expenses	(21,727)	(38,973)	(35,076)	(35,427)	(35,781)
Other incomes	12,336	3,946	3,592	3,763	3,825
O perating Profit	49,779	18,975	14,169	17,813	22,932
Depreciation of fixed assets	22,738	27,563	28,114	28,676	29,250
O perating E BIT DA	72,517	46,537	42,283	46,489	52,182
Non-O perating Income	0	0	0	0	0
Interest Income	0	0	0	0	0
Other Non-op Income	0	0	0	0	0
Non-O perating Expenses	(11,887)	(32,861)	(11,463)	(10,965)	(10,550)
Interest Expenses	(5,945)	(9,835)	(11,463)	(10,965)	(10,550)
Other Non-op Expenses	(5,942)	(23,025)	0	0	0
Net Investment Income/(Loss)	6,841	3,496	(1,453)	1,070	3,738
Pre-tax Profit	44,732	(10,390)	1,254	7,918	16,121
Current Taxation	(7,228)	2,273	(100)	(633)	(1,290)
Minorities	568	1,116	26	21	93
Extraordinary items	8,046	481	0	0	0
Net Profit	44,982	(8,752)	1,127	7,263	14,739
EPS (Bt)	9.98	(1.94)	0.25	1.61	3.27

Source: KGI Securities Research

Cash Flow

Year to 31 Dec (Bt mn)	2021	2022	2023F	2024F	2025F
Operating Cash Flow	68,650	(3,426)	38,871	36,176	43,200
Net Profit	44,982	(8,752)	1,127	7,263	14,739
Depreciation & Amortization	22,738	27,563	28,114	28,676	29,250
Change in Working Capital	(9,375)	(12,276)	10,747	1,298	220
O the rs	10,305	(9,961)	(1,118)	(1,062)	(1,009)
Investment Cash Flow	(148,843)	(12,213)	(16,374)	(13,934)	(10,706)
NetCAPEX	(16,074)	(21,372)	(24,354)	(21,515)	(17,908)
Change in LT Investment	0	0	0	0	0
Change in Other Assets	(132,769)	9,159	7,980	7,581	7,202
Free Cash Flow	52,576	(24,798)	14,517	14,661	25,293
Financing Cash Flow	91,494	(14,035)	(5,850)	(16,509)	(17,369)
Change in Share Capital	10,235	(10,368)	0	0	0
Net Change in Debt	116,722	12,530	(1,341)	(12,000)	(10,000)
Change in Other LT Liab.	(35,464)	(16,197)	(4,509)	(4,509)	(7,369)
Net Cash Flow	11,300	(29,674)	16,647	5,733	15,125

Source: KGI Securities Research

Rates of Return on Invested Capital

Year	1- —	C O G S R evenue	₊ !	Depreciation Revenue	+	Operating Exp. Revenue	=	Operating Margin
2021		82.5%		4.8%		4.6%		8.0%
2022		88.1%		4.0%		5.7%		2.2%
2023F		88.0%		4.6%		5.7%		1.7%
2024F		87.0%		4.8%		5.9%		2.3%
2025F		86.0%		4.9%		6.0%		3.2%
Year	1/ W	orking Capital		Net PPE		Other Assets		C apital
rear	1/ —	Revenue	+ -	Revenue	-+	Revenue	=	Turnover
2021		0.13		0.64		0.33		0.90
2022		0.10		0.43		0.24		1.29
2023F		0.12		0.47		0.25		1.18
2024F		0.14		0.47		0.25		1.17
2025F		0.16		0.46		0.24		1.17
Year		Operating	x	C apital		Cash	_ ′	After-tax Return
rear		Margin	^	Turnover	X	Tax Rate	_	on Inv. Capital
2021		8.0%		0.9		86.2		6.2
2022		2.2%		1.3		79.4		2.3
2023F		1.7%		1.2		91.8		1.9
2024F		2.3%		1.2		92.0		2.5
2025F		3.2%		1.2		100.0		3.7

Source: KGI Securities Research



PTT Global Chemical - Recommendation & target price history



Source: KGI Securities Research



Company's ESG details

Environment

- PTTGC has established the One Water Strategy, which promotes integrated water management, enhances water efficiency in the production process, utilizes renewable water, supports investment in technology, streamlines the production process, and secure alternative sources of water supply.
- > PTTGC prioritizes on reducing the impact of air emissions, especially the reduction of diffusion and leakage of Volatile Organic Compounds (VOCs) from the production process. Consequently, PTTGC has developed and improved the efficiency of production process, as well as set up monitoring plan and constantly perform a maintenance on machines and related equipment. In addition, PTTGC has also selected advanced and high-performance equipment and technologies, in order to minimize the impact on the environment and the health of our operators and surrounding communities. The company has also applied advanced environmental-friendly innovation and technology to continuously improve PTTGC's air quality control system.
- PTTGC places considerable emphasis on maximizes the cycle of resource utilization, allow the use of "Renewable Resource" and "Re-Material" (resource from used products) in the production process instead of using limited existing resource, and reduces as much waste as possible throughout the entire production process. This is where the Circular Economy Concept comes into play in the difference operation process of the industrial sector. Besides, PTTGC considers sustainability as a core business priority and an integral part of the corporate strategy. Accordingly, PTTGC has applied the Circular Economy Concept to consider and set the company business plan, optimize the use of resources, reduce waste generation, and reduce impacts to the environment.

Social

- > The assessment of operators' safety risks as well as statistics on accidents and injuries have indicated that the majority injuries occur to their hands and fingers. Consequently, PTTGC has initiated the Hand Injuries Awareness Program since 2017. This program focuses on raising employee awareness on accidents and collaborating with contractors to develop appropriate working tools to reduce the injury rate of employees and contractors. PTTGC has applied engineering control principles to improve protection from injuries by developing hand injury protective tools, such as wrenches with straps and slugging wrenches with spring handle. Moreover, PTTGC has published a user manual for operators as a guideline to selecting the suitable tool for the job.
- In parallel with our business operation, PTTGC supports and contributes to the improvement of local communities in order to create balance in conducting business, respond to the expectations of stakeholders as well as protect and reduce environmental and social impacts. PTTGC commits to create shared business value with local communities and the society. We also focus on building relationship and engagement with all sectors. In order to achieve these goals, PTTGC applies our innovation and expertise to CSR projects and activities, which align with the circular economy concept. Such projects improve the quality of life and economy for the people in the community surrounding our operating sites in tandem with resolving environmental issues concerning water shortage and plastic waste management.
- > PTTGC has drawn up a career path and launched the Learning and Development Programs for all employees by determining the functional and leadership competencies necessary for each job position and each working level in order to develop their capability to correspond to the company's goals and human resource development strategy. PTTGC has also established a Succession Plan to select an appropriate replacement, who possesses necessary qualifications and is a role model in corporate culture, for each job position.

Governance

PTTGC maintains annual "Excellent" CG scoring From Thai Institute of Directors Association (IOD).

Climate Management (Being the subset of Environment)

- > PTTGC has a clear roadmap and are increasing our medium-term targets to reduce by 20% within 2030 on the journey to achieving Net Zero by 2050 in line with the Paris Agreement. PTTGC is propelling our customers and suppliers to participate in this commitment together. Moreover, PTTGC looks forward to continued engagement with various players in the global markets. With this regard, it is PTTGC's best interest that the roadmap of the Low Carbon Transition Framework has included activities of engagement with relevant stakeholders, which is also aligned with the ambition of Paris Agreement, to push forward the company to achieve low carbon business.
- > PTTGC Group, led by GC Estate, joined the sustainable Eco-Forest Rayong Wanarom plantation project to increase carbon sequestration at the Asia Industrial Estate, Ban Chang sub-district, Ban Chang district, Rayong province. A survey indicated that the plantation area, which consists of an 80-rai plot, can store 1,270 tons of carbon dioxide equivalent.



SET ESG Ratings

Stock	Company name	SET ESG Ratings	Stock	Company name	SET ESG Ratings
ADVANC	ADVANCED INFO SERVICE	AAA	KTC	KRUNGTHAI CARD	AAA
AMATA	AMATA CORPORATION	AAA	LH	LAND AND HOUSES	Α
AOT	AIRPORTS OF THAILAND	Α	MAJOR	MAJOR CINEPLEX GROUP	AA
AP	AP (THAILAND)	AA	MEGA	MEGA LIFESCIENCES	Α
BAFS	BANGKOK AVIATION FUEL SERVICES PCL.	AA	MINT	MINOR INTERNATIONAL	AA
BAM	BANGKOK COMMERCIAL ASSET MANAGEMEN		MTC	MUANGTHAI CAPITAL	Α
BANPU	BANPU	AAA	OR	PTT OIL AND RETAIL BUSINESS	AAA
BBGI	BBGI	AA	ORI	ORIGIN PROPERTY	AA
BBL	BANGKOK BANK	AA	OSP	OSOTSPA	AA
BCH	BANGKOK CHAIN HOSPITAL	AA	PLANB	PLAN B MEDIA	AA
BCP	BANGCHAK CORPORATION	AAA	PSH	PRUKSA HOLDING	BBB
BCPG	BCPG	AA	PTT	PTT	AAA
BDMS	BANGKOK DUSIT MEDICAL SERVICES	AA	PTTEP	PTT EXPLORATION AND PRODUCTION	AAA
BEM	BANGKOK EXPRESSWAY AND METRO	AA	PTTGC	PTT GLOBAL CHEMICAL	AAA
BGRIM	B.GRIMM POWER	AAA	RATCH	RATCH GROUP	AA
BPP	BANPU POWER	AAA	RBF	R&B FOOD SUPPLY	BBB
BTS	BTS GROUP HOLDINGS	AA	SAK	SAKSIAM LEASING	Α
CBG	CARABAO GROUP	Α	SAPPE	SAPPE	BBB
CENTEL	CENTRAL PLAZA HOTEL	Α	SAT	SOMBOON ADVANCE TECHNOLOGY	AA
CK	CH. KARNCHANG	Α	SAWAD	SRISAWAD CORPORATION	BBB
CKP	CK POWER	AAA	SCB	SCB X	AA
COM7	COM7	Α	SCC	THE SIAM CEMENT	AAA
CPALL	CP ALL	AAA	SCCC	SIAM CITY CEMENT	AA
CPAXT	CP AXTRA	AAA	SCGP	SCG PACKAGING	AAA
CPF	CHAROEN POKPHAND FOODS	AAA	SHR	S HOTELS AND RESORTS	Α
CPN	CENTRAL PATTANA	AA	SICT	SILICON CRAFT TECHNOLOGY	Α
EGCO	ELECTRICITY GENERATING	AA	SMPC	SAHAMITR PRESSURE CONTAINER	AA
ERW	THE ERAWAN GROUP	Α	SNC	SNC FORMER	Α
GFPT	GFPT	BBB	SPALI	SUPALAI	AA
	SIAM GLOBAL HOUSE	AA	STEC	SINO-THAI ENGINEERING AND CONSTRUCTION	
GPSC	GLOBAL POWER SYNERGY	AA	STGT	SRI TRANG GLOVES (THAILAND)	AAA
GULF	GULF ENERGY DEVELOPMENT	AA	TCAP	THANACHART CAPITAL	Α
HANA	HANA MICROELECTRONICS	AA	TFG	THAIFOODS GROUP	Α
HENG	HENG LEASING AND CAPITAL	Α	тнсом	THAICOM	AAA
HMPRO	HOME PRODUCT CENTER	AA	TISCO	TISCO FINANCIAL GROUP	AAA
INTUCH	INTOUCH HOLDINGS	AA	TOP	THAI OIL	AAA
IRPC	IRPC	AA	TTB	TMBTHANACHART BANK	AA
IVL	INDORAMA VENTURES	AA	UBE	UBON BIO ETHANOL	Α
KBANK	KASIKORNBANK	AAA	VGI	VGI	AA
KEX	KERRY EXPRESS (THAILAND)	BBB	WHA	WHA CORPORATION	AAA
KKP	KIATNAKIN PHATRA BANK	BBB	WHAUP	WHA UTILITIES AND POWER	AAA
KTB	KRUNG THAI BANK	AAA	ZEN	ZEN CORPORATION GROUP	AA

Source: www.setsustainability.com

Disclaimer: The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by the relevant institution as disclosed by the Office of the Securities and Exchange Commission, is made in order to comply with the policy and sustainable development plan for the listed companies. The relevant institution made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, KGI Securities (Thailand) Public Company Limited (KGI)does not confirm, verify, or certify the accuracy and completeness of the assessment result.



Corporate Governance Report of Thai Listed Companies

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Companies with Excellent CG Scoring

Stock	Company name	Stock	Company name	Stock	Company name
AAV	ASIA AVIATION	GLOBAL	SIAM GLOBAL HOUSE	RATCH	RATCH GROUP
ADVANC	ADVANCED INFO SERVICE	GPSC	GLOBAL POWER SYNERGY	RBF	R&B FOOD SUPPLY
AMA	AMA MARINE	GULF	GULF ENERGY DEVELOPMENT	SAT	SOMBOON ADVANCE TECHNOLOGY
AMATA	AMATA CORPORATION	HANA	HANA MICROELECTRONICS	SCB	SCB X
ANAN	ANANDA DEVELOPMENT	HENG	HENG LEASING AND CAPITAL	SCC	THE SIAM CEMENT
AOT	AIRPORTS OF THAILAND	HMPRO	HOME PRODUCT CENTER	SCCC	SIAM CITY CEMENT
AP	AP (THAILAND)	INTUCH	INTOUCH HOLDINGS	SCGP	SCG PACKAGING
BAFS	BANGKOK AVIATION FUEL SERVICES PCL.	IRPC	IRPC	SEAFCO	SEAFCO
BAM	BANGKOK COMMERCIAL ASSET MANAGEMEN			SHR	S HOTELS AND RESORTS
BANPU		KBANK		SICT	SILICON CRAFT TECHNOLOGY
BBL		KCE		SMPC	SAHAMITR PRESSURE CONTAINER
BCP		KEX	(SNC	SNC FORMER
BCPG		KKP		SPALI	SUPALAI
BDMS		KTB		SPRC	STAR PETROLEUM REFINING
BEM		KTC		STEC	SINO-THAI ENGINEERING AND CONSTRUCTION
BGRIM		LPN		STGT	SRI TRANG GLOVES (THAILAND)
BPP		MAJOR		SUN	SUNSWEET
BTS		MBK		SVI	SVI
_		MINT		TACC	T.A.C. CONSUMER
CK		MTC		TCAP	THANACHART CAPITAL
CKP		OR		THCOM	THAICOM
COM7		ORI		TISCO	TISCO FINANCIAL GROUP
CPALL		OSP		TKN	TAOKAENOI FOOD & MARKETING
CPAXT		PLANB		TOP	THAI OIL
CPF		PSH		TTB	TMBTHANACHART BANK
CPN		PTG		TU	THAI UNION GROUP
DELTA	,	PTT	1	VGI	VGI
		PTTEP		WHA	WHA CORPORATION
EGCO		PTTGC		_	WHA UTILITIES AND POWER
GFPT		PYLON		ZEN	ZEN CORPORATION GROUP
GGC	GLOBAL GREEN CHEMICALS	QH	QUALITY HOUSES		

Companies with Very Good CG Scoring

Mark Colombia Mark Colombia Colombia Colombia						
Stock	Company name	Stock	Company name	Stock	Company name	
AEONTS	AEON THANA SINSAP (THAILAND)	JMT	JMT NETWORK SERVICES	SFT	SHRINKFLEX (THAILAND)	
BCH	BANGKOK CHAIN HOSPITAL	LH	LAND AND HOUSES	SINGER	SINGER THAILAND	
BEC	BEC WORLD	M	MK RESTAURANT GROUP	SMD	SAINTMED	
BH	BUMRUNGRAD HOSPITAL	MEGA	MEGA LIFESCIENCES	SNNP	SRINANAPORN MARKETING	
CBG	CARABAO GROUP	NETBAY	NETBAY	SPA	SIAM WELLNESS GROUP	
CHG	CHULARAT HOSPITAL	PJW	Panjawattana Plastic	TFG	THAIFOODS GROUP	
ERW	THE ERAWAN GROUP	SAK	SAKSIAM LEASING	TIDLOR	NGERN TID LOR	
ESSO	ESSO (THAILAND)	SAPPE	SAPPE	TNP	THANAPIRIYA	
HUMAN	HUMANICA	SAWAD	SRISAWAD CORPORATION	UBE	UBON BIO ETHANOL	
IIG	I&I GROUP	SFLEX	STARFLEX	хо	EXOTIC FOOD	



Companies with Good CG Scoring

Stock	Company name	Stock	Company name	Stock	Company name
AU	AFTER YOU	LPH	LADPRAO GENERAL HOSPITAL	TPCH	TPC POWER HOLDING
EKH	EKACHAI MEDICAL CARE	MENA	MENA TRANSPORT		
JMART	JAYMART GROUP HOLDINGS	SISB	SISB		

Companies classified Not in the three highest score groups

Stock	Company name	Stock	Company name	Stock	Company name
BBGI	BBGI	NTSC	Nutrition SC	TGE	THACHANG GREEN ENERGY
BTG	BETAGRO	PLT	Pilatus Marine		
ITC	i-Tail Corporation	PQS	Premier Quality Starch		

Source: www.thai-iod.com

Disclaimer: The disclosure of the survey result of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an assessment of operation and is not based on inside information. The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date or when there is any change to the relevant information. Nevertheless, KGI Securities (Thailand) Public Company Limited (KGI) does not confirm, verify, or certify the accuracy and completeness of such survey result.



Anti-corruption Progress Indicator

Level 5: Extended

Stock	Company name	Stock	Company name	Stock	Company name
ADVANC	ADVANCED INFO SERVICE	GLOBAL	SIAM GLOBAL HOUSE	QH	QUALITY HOUSES
ANAN	ANANDA DEVELOPMENT	GPSC	GLOBAL POWER SYNERGY	RATCH	RATCHABURI ELECTRICITY GENERATING HOLDING
BBL	BANGKOK BANK	HMPRO	HOME PRODUCT CENTER	ROBINS	ROBINSON DEPARTMENT STORE
BCH	BANGKOK CHAIN HOSPITAL	IRPC	IRPC	SCC	THE SIAM CEMENT
BDMS	BANGKOK DUSIT MEDICAL SERVICES	KBANK	KASIKORNBANK	SIRI	SANSIRI
BIGC	BIG C SUPERCENTER	KCE	KCE ELECTRONICS	SPALI	SUPALAI
СК	CH. KARNCHANG	KKP	KIATNAKIN BANK	STEC	SINO-THAI ENGINEERING AND CONSTRUCTION
DCC	DYNASTY CERAMIC	KTB	KRUNG THAI BANK	TCAP	THANACHART CAPITAL
DELTA	DELTA ELECTRONICS (THAILAND)	LPH	LADPRAO GENERAL HOSPITAL	TISCO	TISCO FINANCIAL GROUP
DRT	DIAMOND ROOFING TILES	PACE	PACE DEVELOPMENT CORPORATION	TMT	THAI METAL TRADE
EGCO	ELECTRICITY GENERATING	PTT	PTT	TOP	THAI OIL
GFPT	GFPT	PTTGC	PTT GLOBAL CHEMICAL		

Level 4: Certified

Stock	Company name	Stock	Company name	Stock	Company name
AAV	ASIA AVIATION	ERW	THE ERAWAN GROUP	SAPPE	SAPPE
AP	ASIAN PROPERTY DEVELOPMENT	GLOW	GLOW ENERGY	SAWAD	SRISAWAD POWER 1979
BA	BANGKOK AIRWAYS	GUNKUL	GUNKUL ENGINEERING	SCB	THE SIAM COMMERCIAL BANK
BANPU	BANPU	ILINK	INTERLINK COMMUNICATION	SCN	SCAN INTER
BCP	THE BANGCHAK PETROLEUM	KTC	KRUNGTHAI CARD	SEAFCO	SEAFCO
BH	BUMRUNGRAD HOSPITAL	LH	LAND AND HOUSES	SVI	SVI
BJCHI	BJC HEAVY INDUSTRIES	LPN	L.P.N. DEVELOPMENT	TASCO	TIPCO ASPHALT
CBG	CARABAO GROUP	MAKRO	SIAM MAKRO	TKN	TAOKAENOI FOOD & MARKETING
CENTEL	CENTRAL PLAZA HOTEL	MALEE	MALEE SAMPRAN	TMB	TMB BANK
CHG	CHULARAT HOSPITAL	MINT	MINOR INTERNATIONAL	TRT	TIRATHAI
CKP	CK POWER	MODERN	MODERNFORM GROUP	TRUE	TRUE CORPORATION
CPF	CHAROEN POKPHAND FOODS	NOK	NOK AIRLINES	TVO	THAI VEGETABLE OIL
CPN	CENTRAL PATTANA	PTTEP	PTT EXPLORATION AND PRODUCTION		
DTAC	TOTAL ACCESS COMMUNICATION	PYLON	PYLON		

Level 3: Established

Stock	Company name	Stock	Company name	Stock	Company name
BEM	BANGKOK EXPRESSWAY AND METRO	MTLS	MUANGTHAI LEASING	SPRC	STAR PETROLEUM REFINING
CPALL	CP ALL	SCI	SCI ELECTRIC		

No progress

Stock	Company name	Stock	Company name	Stock	Company name
AOT	AIRPORTS OF THAILAND	BPP	BANPU POWER	FN	FN FACTORY OUTLET
BCPG	BCPG	BTS	BTS GROUP HOLDINGS	TPCH	TPC POWER HOLDING

Source: www.cgthailand.org

Disclaimer: The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by the relevant institution as disclosed by the Office of the Securities and Exchange Commission, is made in order to comply with the policy and sustainable development plan for the listed companies. The relevant institution made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, KGI Securities (Thailand) Public Company Limited (KGI) does not confirm, verify, or certify the accuracy and completeness of the assessment result.



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KGI's Ratings

Rating	Definition					
Outperform (OP)	The stock's excess return over the next twelve months is ranked in the top 40% of KGI's coverage universe in the related market (e.g. Taiwan)					
Neutral (N)	The stock's excess return over the next twelve months is ranked in the range between the top 40% and the bottom 40% of KGI's coverage universe in the related market (e.g. Taiwan)					
Under perform (U)	The stock's excess return over the next twelve months is ranked in the bottom 40% of KGI's coverage universe in the related market (e.g. Taiwan).					
Not Rated (NR)	The stock is not rated by KGI.					
Restricted (R)	KGI policy and/or applicable law regulations preclude certain types of communications, including an investment recommendation, during the course of KGI's engagement in an investment banking transaction and in certain other circumstances.					
	Excess return = 12M target price/current price-					
Note	When an analyst publishes a new report on a covered stock, we rank the stock's excess return with those of other stocks in KGI's coverage universe in the related market. We will assign a rating based on its ranking. If an analyst does not publish a new report on a covered stock, its rating will not be changed automatically.					

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