

# Hana Microelectronics PCL

(HANA.BK/HANA TB)\*



SET ESG Rating of AA

Neutral - Maintained

Price as of 30 Sep 2024	40.75
12M target price (Bt/shr)	42.00
Unchanged/Revised up(down)(%)	Unchanged
Upside/downside (%)	3.1

Key messages

เราคาดว่า HANA จะได้อานิสงส์จากวัฏจักรการเปลี่ยนอุปกรณ์เป็นเครื่องที่รองรับระบบ AI ในขณะที่เงินบาทที่แข็งค่าขึ้นอาจจะกดดันอัตรากำไร เราจึงลงคำแนะนำ "ถือ" HANA โดยประเมินราคาเป้าหมายสิ้นปี 2568 ที่ 42.00 บาท อิงจาก PER ที่ 19.0x

Trading data

Mkt cap (Btmn/US\$m)	36,743/919		
Outstanding shares (mn)	885		
Foreign ownership (mn)	432		
3M avg. daily trading (mn)	10		
52-week trading range (Bt)	36.0 – 65.3		
Performance (%)	3M	6M	12M
Absolute	-10.8	4.4	-30.8
Relative	-20.2	-1.0	-28.7

Quarterly EPS

EPS	Q1	Q2	Q3	Q4
2022	0.45	0.30	0.52	1.34
2023	0.33	0.79	0.91	0.14
2024	0.35	0.43		

Share price chart



Source: SET

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## ประมาณการ 3Q67: คาดว่ากำไรจะฟื้นตัวจาก PC และ smartphone

Event

อัปเดตแนวโน้มอุตสาหกรรม และ ประมาณการ 3Q67

Impact

คาดว่า PC และ smartphone จะฟื้นตัวขึ้นในช่วง 4Q67-2568

ในบทวิเคราะห์ IT Hardware ของ KGI Taiwan เรื่อง *Eyes on AI server makers & Apple supply chain* ที่เผยแพร่เมื่อวันที่ 13 กันยายน 2567 ทีม KGI Taiwan คาดว่ายอดขายจัดส่ง NB ใน 3Q67F จะทรงตัว หลังจากที่ได้ตรวจสอบข้อมูลล่าสุดกับ NB ODMs อันดับแรกในไต้หวัน หลังจากที่ยอดจัดส่ง NB เดือนสิงหาคมเพิ่มขึ้น 15% MoM แคลลดลง 2% YoY นอกจากนี้ ทีม KGI Taiwan ยังคาดว่าารออกรุ่น AI PC รุ่นใหม่จะช่วยให้อุปสงค์เพิ่มขึ้นในช่วง 4Q67-2568F โดยคาดว่ายอดขายจัดส่ง PC ทั้งโลกจะเพิ่มขึ้น 3% ในปี 2567 และ 5-6% ในปี 2568 นอกจากนี้ ยังคาดว่ายอดขายจัดส่ง smartphone ทั้งโลกจะกลับมาขยายตัว 1% YoY ในปี 2567F และ 5% YoY ในปี 2568F โดยคาดว่า iPhone จะมีสัดส่วนประมาณ 20% ของยอดขายจัดส่ง smartphone ทั้งโลก ซึ่งคาดว่าจะเพิ่มขึ้น 7% YoY ใน 4Q67 และ 7% ในปี 2568 หลังจากที่มีการเปิดตัว Apple Intelligence

ประมาณการ 3Q67: กำไรจากธุรกิจหลักลดลงทั้ง YoY และ QoQ

เราคาดว่ากำไรจากธุรกิจหลักของ HANA ใน 3Q67 จะอยู่ที่ 480 ล้านบาท (-29% YoY, -2% QoQ) ซึ่งจะทำให้กำไรจากธุรกิจหลักในงวด 9M67 อยู่ที่ 1.3 พันล้านบาท (-23% YoY) และ คิดเป็น 69% ของประมาณการเต็มปีของเรา ทั้งนี้ เราคาดว่ายอดขายใน 3Q67 จะอยู่ที่ 193 ล้านดอลลาร์ฯ (+4% YoY, +5% QoQ) เนื่องจากยอดขายกลุ่ม smartphone (คิดเป็นประมาณ 30% ของยอดขายรวมของ HANA) ดีขึ้น ซึ่งจะทำให้ยอดขายในงวด 9M67 อยู่ที่ 556 ล้านดอลลาร์ฯ (-4% YoY) และ คิดเป็น 72% ของประมาณการเต็มปีของเรา ทั้งนี้ ประสิทธิภาพการผลิตที่ดีขึ้นจากยอดขายที่เพิ่มขึ้นส่งผลให้อัตรากำไรดีขึ้น ซึ่งจะหักล้างกันไปกับเงินบาทที่แข็งค่าขึ้น ดังนั้น เราจึงคาดว่าอัตรากำไรขั้นต้นใน 3Q67 จะอยู่ที่ 12.4% (-3.3ppt YoY, ทรงตัว QoQ) ในขณะที่ค่าตัวสัดส่วน SG&A ต่อยอดขายจะอยู่ที่ 6.2% (จาก 6.9% ใน 3Q66 และ 6.2% ใน 2Q67)

ยอดขายหลังจากนี้จะเพิ่มขึ้น ในขณะที่ยังต้องจับตาอัตรากำไร

เราคาดว่ายอดขาย HANA จะฟื้นตัวขึ้นในปี 2568 จากการเปลี่ยนเครื่อง smartphone (ประมาณ 30% ของยอดขายรวม) และ PC (ประมาณ 5% ของยอดขายรวม) โดยเราคาดว่ายอดขายปี 2568 น่าจะได้ +4% ตามสมมติฐานของเรา ในขณะที่มองว่าการแข็งค่าของเงินบาทจะเป็นความเสี่ยงต่อแนวโน้มอัตรากำไรของบริษัท โดยเงินบาทที่แข็งค่าขึ้นทุก ๆ 1 บาท/ดอลลาร์ฯ จะทำให้กำไรสุทธิของ HANA ลดลง ~10%

Valuation & action

เราจึงลงคำแนะนำ "ถือ" HANA โดยประเมินราคาเป้าหมายสิ้นปี 2568 ที่ 42.00 บาท อิงจาก PER ที่ 19.0x (ค่าเฉลี่ยในอดีต)

Risks

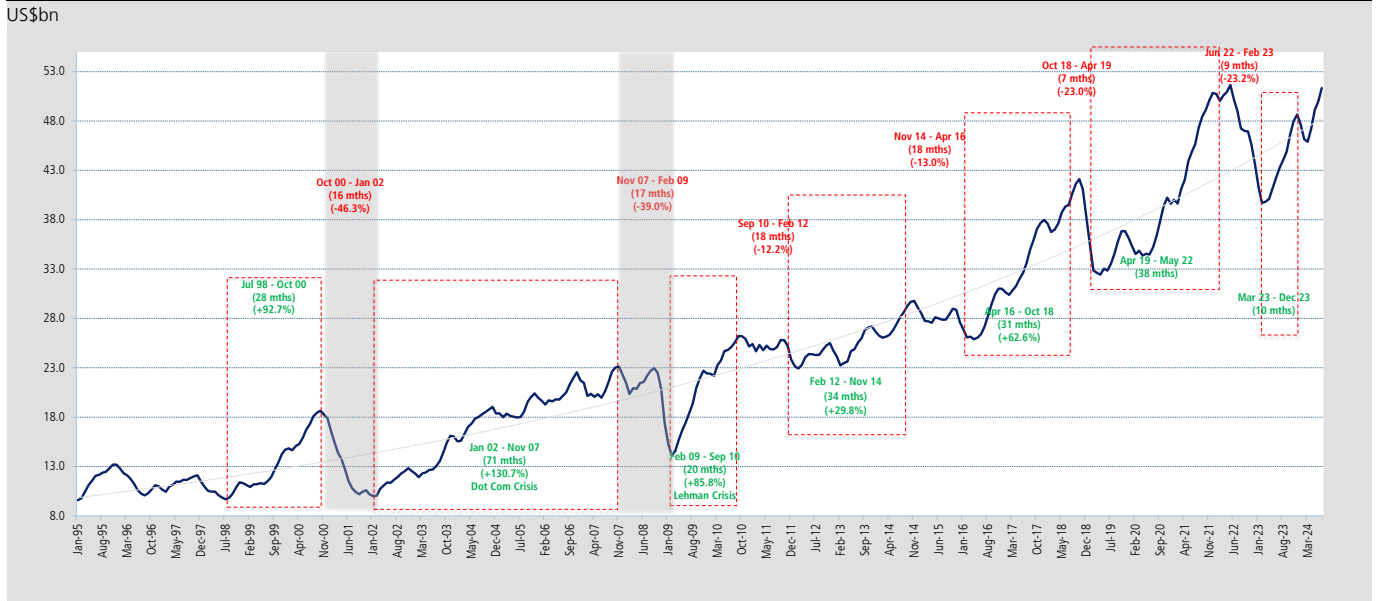
ภัยธรรมชาติ, มีการปิดโรงงานนอกแผน, ลูกค้าเปลี่ยนไปสั่งซื้อสินค้าจาก supplier รายอื่น, ขาดแคลนวัตถุดิบ, เงินบาทแข็งค่าขึ้น

Key financials and valuations

Year end Dec 31	Dec-21A	Dec-22A	Dec-23A	Dec-24F	Dec-25F
Revenue (Btmn)	23,780	27,167	26,152	27,522	27,543
Gross profit (Btmn)	3,287	3,661	3,242	3,359	3,438
SG&A (Btmn)	1,423	1,695	1,631	1,763	1,764
Net profit (Btmn)	1,545	2,102	1,761	1,770	1,984
Normalized profit (Btmn)	2,274	2,398	2,009	1,919	1,984
EPS (Bt)	1.92	2.61	1.99	2.00	2.24
Normalized EPS (Btmn)	2.83	2.98	2.27	2.17	2.24
DPS (Btmn)	2.0	1.0	1.0	1.0	1.0
EPS growth (%)	(19.0)	36.0	(23.9)	0.5	12.1
Normalized EPS growth (%)	26.5	5.4	(23.8)	(4.5)	3.4
P/E (X)	32.1	13.7	18.0	18.8	18.2
P/B (X)	3.2	1.4	1.2	1.2	1.2
EV/EBITDA (X)	24.1	8.1	8.6	6.7	6.1
Net debt to Equity (%)	(14.3)	(10.0)	(19.4)	(18.7)	(20.5)
Dividend yield (%)	2.2	2.5	2.5	2.5	2.5
Return on Equity (%)	6.9	9.0	6.6	6.0	6.5

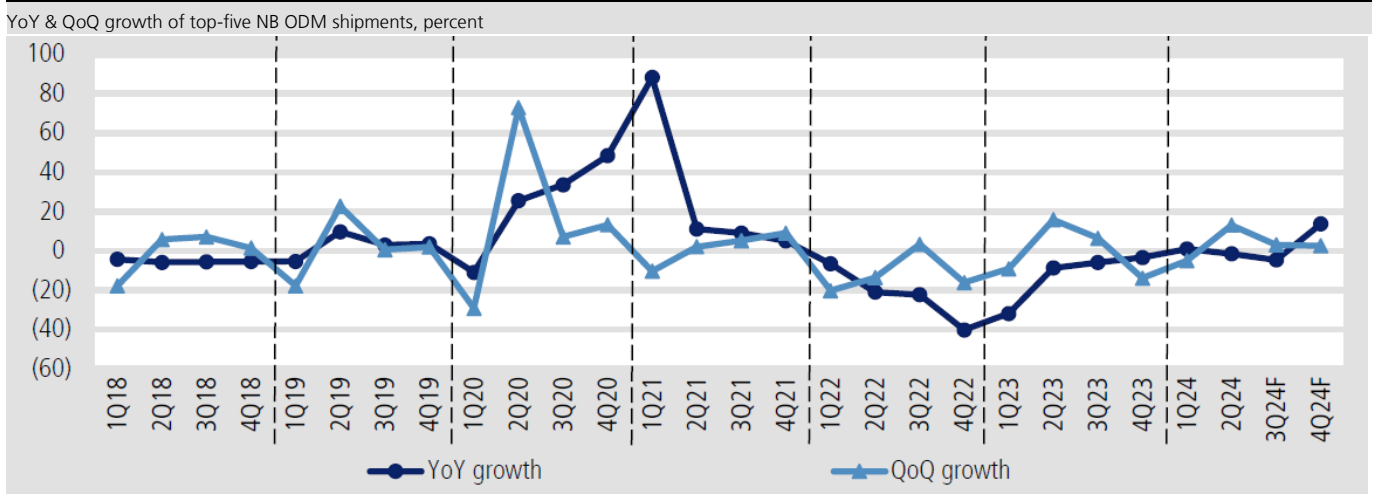
Source: Company data, KGI Securities Research

**Figure 1: Global semiconductor sales, almost reaching its historical peak**



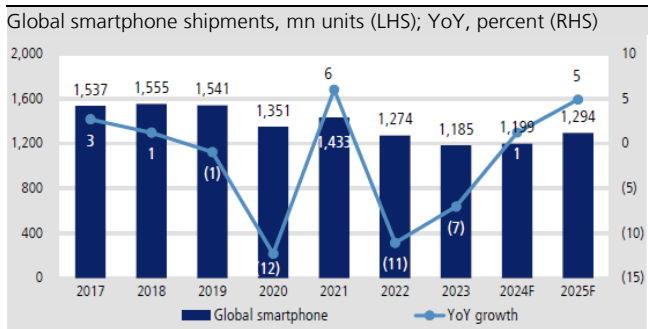
Source: SIA, KGI Securities Research

**Figure 2: NB shipments in 2H24F to continue YoY growth, despite decelerating QoQ growth**



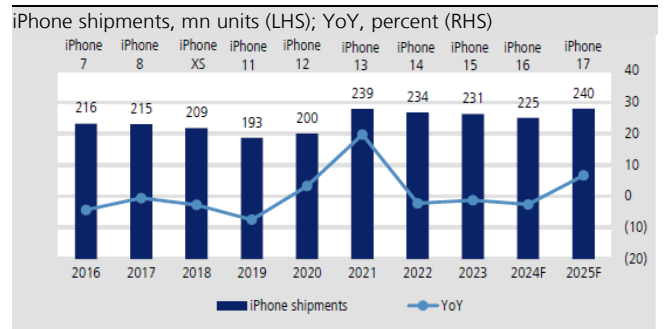
Source: KGI Securities Research (Taiwan)

**Figure 3: Global smartphone demand to resume growth in 2024-2025F after declines during 2019-2023**



Source: Gartner, KGI Securities Research (Taiwan)

**Figure 4: iPhone shipments could drop 2% this year but may resume growth in 2025F**



Source: Gartner, KGI Securities Research (Taiwan)

**Figure 5: Apple iPhone shipments to fall this year, rebound in 2025F**

Product	Year	Shipments (mn units)					YoY (%)				
		1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total
iPhone	2022	61.0	48.9	50.9	73.0	233.9	4.3	(0.7)	5.1	(12.0)	(2.2)
	2023	58.7	45.6	49.9	76.3	230.5	(3.8)	(6.8)	(2.0)	4.5	(1.4)
	2024F	50.1	43.5	50.0	81.4	225.0	(14.7)	(4.6)	0.2	6.7	(2.4)
	2025F	53.0	48.0	54.0	85.0	240.0	5.8	10.3	8.0	4.4	6.7

Source: Gartner, KGI Securities Research (Taiwan)

**Figure 6: 3Q24 earnings preview**

Btmn	3Q24F	3Q23	%YoY	2Q24	%QoQ	9M24	9M23	%YoY
Revenue from sales	6,716	6,555	2.5	6,752	(0.5)	19,838	19,931	(0.5)
Cost of good sold	5,881	5,523	6.5	5,918	(0.6)	17,482	17,308	1.0
Gross profit	835	1,031	(19.1)	834	0.1	2,356	2,623	(10.2)
SG&A expense	414	449	(7.8)	419	(1.2)	1,249	1,223	2.1
EBIT	548	772	(29.0)	433	26.5	1,345	1,729	(22.2)
Finance cost	(29)	(17)	67.5	(26)	12.5	(79)	(27)	190.0
Equity income	0	0	N.A	0	N.A	0	0	N.A
Non-op inc/(exp)	0	60	(100.0)	(111)	(100.0)	(150)	(83)	80.5
<b>Net profit</b>	<b>480</b>	<b>734</b>	<b>(34.7)</b>	<b>376</b>	<b>27.4</b>	<b>1,169</b>	<b>1,636</b>	<b>(28.5)</b>
Normalized profit	480	674	(28.9)	487	(1.5)	1,319	1,719	(23.3)
EPS (Bt)	0.54	0.91	(40.6)	0.43	27.4	1.32	2.03	(35.0)
Normalized EPS (Bt)	0.54	0.84	(35.3)	0.55	(1.5)	1.49	2.14	(30.2)
Percent	3Q24F	3Q23	%YoY	2Q24	%QoQ	9M24	9M23	%YoY
Gross margin	12.4	15.7	(3.3)	12.4	0.1	11.9	13.2	(1.3)
SG&A to sales	6.2	6.9	(0.7)	6.2	(0.0)	6.3	6.1	0.2
EBIT margin	8.2	11.8	(3.6)	6.4	1.7	6.8	8.7	(1.9)
Net margin	7.1	11.2	(4.1)	5.6	1.6	5.9	8.2	(2.3)
Assumption	3Q24F	3Q23	%YoY	2Q24	%QoQ	9M24	9M23	%YoY
Sales	193	186	3.8	184	4.9	556	577	(3.6)
FX	34.8	35.2		36.7				

Source: KGI Securities Research

**Figure 7: Key assumptions**

Assumption	unit	2017	2018	2019	2020	2021	2022	2023	2024F	2025F
Revenue	US\$m	635	689	656	616	743	775	751	775	803
Growth	%YoY	9.3	8.5	(4.8)	(6.1)	20.6	4.3	(3.1)	3.2	3.6
Gross margin	Percent	14.9	14.4	10.7	13.2	13.8	13.5	12.4	12.2	12.5
Exchange rate	Bt/US\$	33.9	32.3	31.1	31.3	32.0	35.1	34.8	35.5	34.3

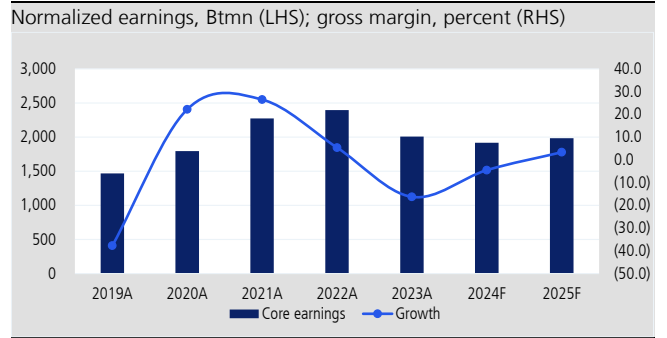
Source: KGI Securities Research

**Figure 8: Company profile**

Hana Group is one of Southeast Asia's leading independent electronics manufacturing service (EMS) producers. The company's headquarters are in Bangkok and there are six manufacturing facilities located in Lamphun and Ayutthaya provinces in Thailand, Jiaxing, China, Ohio, US, Koh Kong, Cambodia.

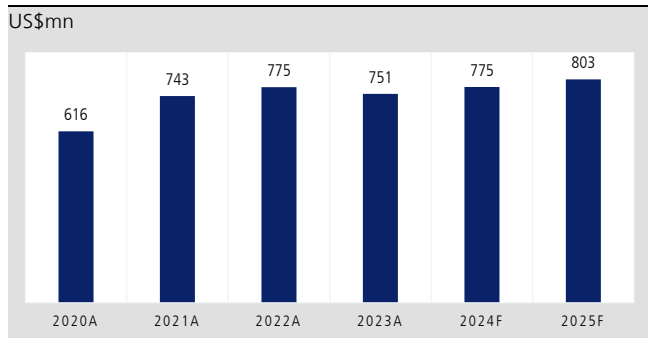
Source: Company data

**Figure 9: Core profit**



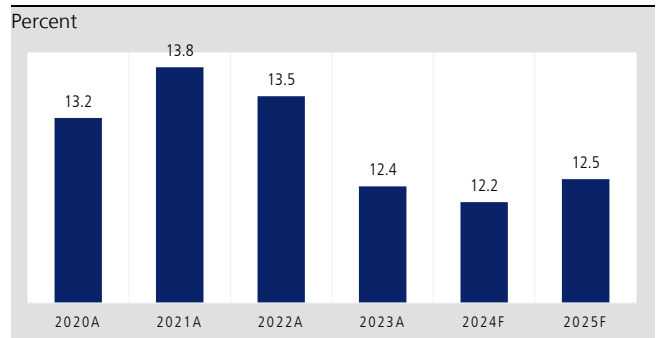
Source: Company data, KGI Securities Research

**Figure 10: Sales assumption**



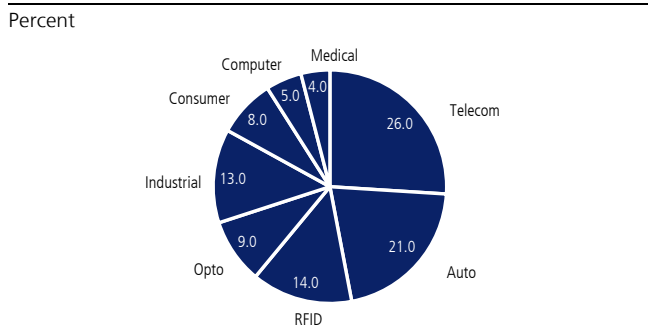
Source: Company data, KGI Securities Research

**Figure 11: Gross margin**



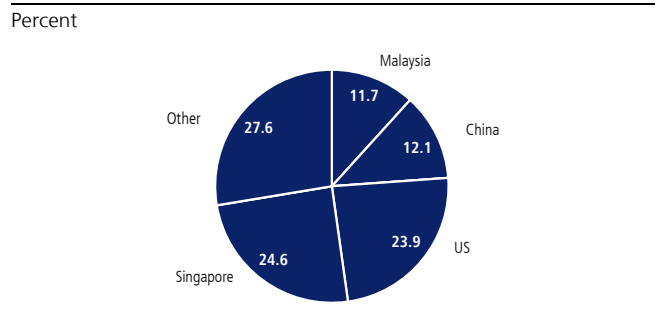
Source: Company data, KGI Securities Research

**Figure 12: Sales breakdown**



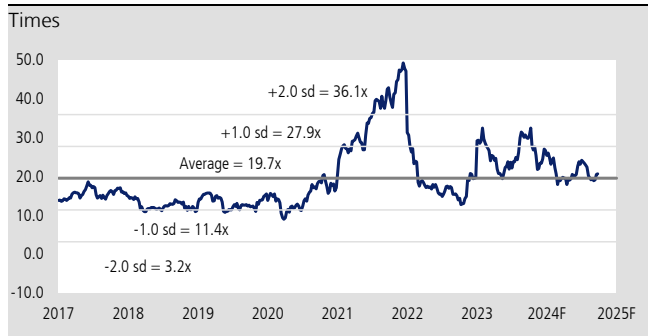
Source: Company data, KGI Securities Research

**Figure 13: Sales breakdown**



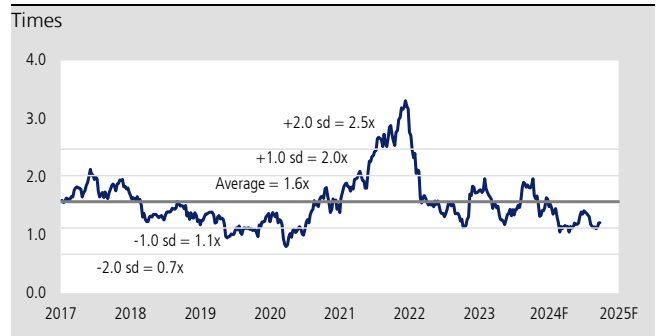
Source: Company data, KGI Securities Research

**Figure 14: Company's PER**



Source: KGI Securities Research

**Figure 15: Company's PBV**



Source: KGI Securities Research

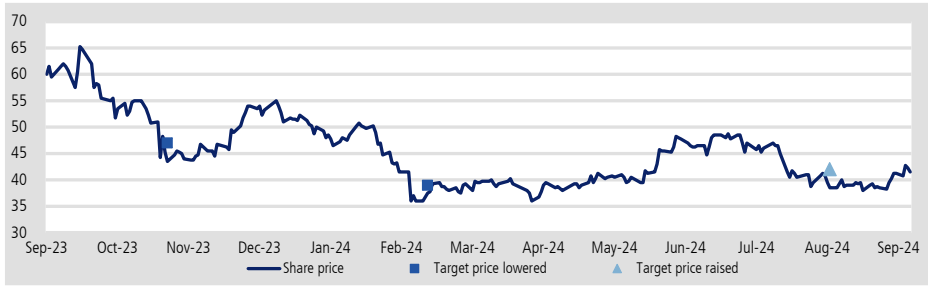
**Quarterly Income Statement**

	Mar-22A	Jun-22A	Sep-22A	Dec-22A	Mar-23A	Jun-23A	Sep-23A	Dec-23A	Mar-24A	Jun-24A
<b>Income Statement (Btmn)</b>										
<b>Revenue</b>	<b>6,107</b>	<b>6,390</b>	<b>7,545</b>	<b>7,125</b>	<b>6,466</b>	<b>6,910</b>	<b>6,555</b>	<b>6,221</b>	<b>6,371</b>	<b>6,752</b>
Cost of good sold	5,445	5,512	6,378	6,171	5,913	5,871	5,523	5,602	5,683	5,918
<b>Gross profit</b>	<b>663</b>	<b>878</b>	<b>1,167</b>	<b>954</b>	<b>553</b>	<b>1,039</b>	<b>1,031</b>	<b>619</b>	<b>687</b>	<b>834</b>
Operating expense	381	401	408	505	382	392	449	408	415	419
Other income	108	120	109	119	120	123	116	80	95	80
<b>Operating profit</b>	<b>390</b>	<b>597</b>	<b>868</b>	<b>567</b>	<b>291</b>	<b>770</b>	<b>698</b>	<b>291</b>	<b>367</b>	<b>494</b>
Depreciation of fixed asset	346	368	405	409	405	410	410	412	423	422
<b>Operating EBITDA</b>	<b>736</b>	<b>965</b>	<b>1,273</b>	<b>976</b>	<b>696</b>	<b>1,179</b>	<b>1,109</b>	<b>702</b>	<b>790</b>	<b>916</b>
<b>Non-Operating income</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>185</b>	<b>(185)</b>	<b>0</b>	<b>0</b>
Interest income	0	0	0	0	0	0	0	0	0	0
Other non-op. income	0	1	1	31	0	0	185	(185)	0	0
<b>Non-Operating expense</b>	<b>61</b>	<b>29</b>	<b>40</b>	<b>(137)</b>	<b>14</b>	<b>210</b>	<b>(17)</b>	<b>31</b>	<b>(24)</b>	<b>(26)</b>
Interest expense	(1)	(3)	(3)	(6)	(2)	(8)	(17)	(25)	(24)	(26)
Other non-op. expense	63	32	43	(131)	16	218	0	56	0	0
Equity income	0	0	0	0	0	0	0	0	0	0
Pre-tax profit	380	260	463	1,107	278	668	755	145	340	407
Current taxation	(15)	(15)	(46)	(31)	(12)	(33)	(21)	(20)	(27)	(31)
Minorities	0	0	0	0	0	0	0	0	0	0
Extra items	29	(326)	(384)	361	(12)	104	(125)	75	(39)	(111)
<b>Net profit</b>	<b>365</b>	<b>245</b>	<b>417</b>	<b>1,075</b>	<b>266</b>	<b>635</b>	<b>734</b>	<b>125</b>	<b>313</b>	<b>376</b>
<b>Normalized profit</b>	<b>399</b>	<b>603</b>	<b>843</b>	<b>553</b>	<b>295</b>	<b>750</b>	<b>674</b>	<b>291</b>	<b>352</b>	<b>487</b>
EPS (Bt)	0	0	1	1	0	1	1	0	0	0
Normalized EPS (Bt)	0	1	1	1	0	1	1	0	0	1
<b>Margin (%)</b>										
Gross profit margin	10.8	13.7	15.5	13.4	8.6	15.0	15.7	9.9	10.8	12.4
Operating EBIT margin	6.4	9.3	11.5	8.0	4.5	11.1	10.7	4.7	5.8	7.3
Operating EBITDA margin	12.1	15.1	16.9	13.7	10.8	17.1	16.9	11.3	12.4	13.6
Net profit margin	6.0	3.8	5.5	15.1	4.1	9.2	11.2	2.0	4.9	5.6
<b>Growth (%YoY)</b>										
Revenue growth	17.1	5.4	20.9	13.8	5.9	8.1	(13.1)	(12.7)	(1.5)	(2.3)
Operating EBIT growth	1.0	(21.4)	24.8	50.6	(25.3)	28.9	(19.6)	(48.8)	26.1	(35.8)
Operating EBITDA growth	5.1	(8.8)	24.5	35.1	(5.5)	22.2	(12.9)	(28.1)	13.6	(22.3)
Net profit growth	21.2	(66.8)	(26.1)	(2,005.6)	(27.0)	159.4	76.1	(88.4)	17.5	(40.8)
Normalized profit growth	(3.3)	(21.7)	20.3	41.5	(26.1)	24.3	(20.1)	(47.5)	19.5	(35.0)

Source: Company data, KGI Securities Research



Hana Microelectronics PCL - Recommendation & target price history



Date	Rating	Target	Price
23-Aug-24	Neutral	42.00	38.50
6-Mar-24	Neutral	39.00	37.50
17-Nov-23	Neutral	47.00	43.50

Source: KGI Securities Research

## Company's ESG details

### Environment

- The company joined the government sector in signing a Memorandum of Understanding for reducing or banning foam packaging for food. The company has further enhanced the project "HANA NO PLASTIC PROGRAM" along with awareness raising and communication campaign including training provided to all employees to reduce plastic consumption such as plastic cups, plastic bags and switch to use reusable cups/bags/bottles to promote a healthy and safe environment.
- The company and Lamphun Provincial Office of Labor Protection and Welfare along with the Industrial Estate Authority of Thailand Lamphun Province joined the activity to build natural dam according to the Royal Initiative Project.

### Social

- Scholarship program with the aim to enhance educational opportunities for the children of low-income employees, internship program for students to promote practical learning and knowledge to enhance the skills necessary for future careers by ensuring application and training provided equally to all women and men.
- HANA recognizes the importance of education and career exploration for college and undergraduate students. Its internship program gives students the opportunity to apply knowledge from their fields of study and gain real work experience in preparation for future work.

### Governance

- HANA has ranked 5 stars or "Excellent" in Corporate Governance Rating (CGR) honored by the Thai Institute of Directors Association (IOD).
- HANA was granted 2021 ASEAN CG scorecard assessment, initiated by the ASEAN Capitals Market Forum (ACMF) with the support of the regulators in ASEAN.
- HANA was selected as a member of Thailand Sustainability Investment (THIS) for the year 2022, in recognizing our continuous and outstanding achievements in corporate sustainability, thereby benefitting the environment and society.
- HANA has been ranked among the top 100 publicly listed companies that are most outstanding in terms of Environment, Social and Governance performance or ESG 100, assessed by Thaipat Institute.

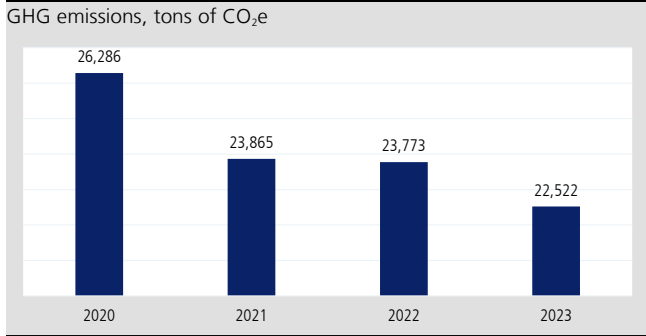
### Climate Management (Subset of Environment)

- Continuous improvement in the efficient use of internal resources within the organization, implementing renewable energy project to drive a low-carbon society as part of climate change mitigation.
- Solar panels were installed on the roofs of three factories of Hana in Lamphun and Ayutthaya provinces in 2020.

Source: Company data, KGI Securities Research

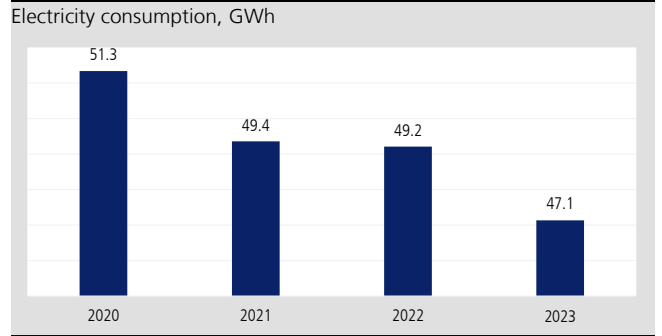


**Total GHG emissions**



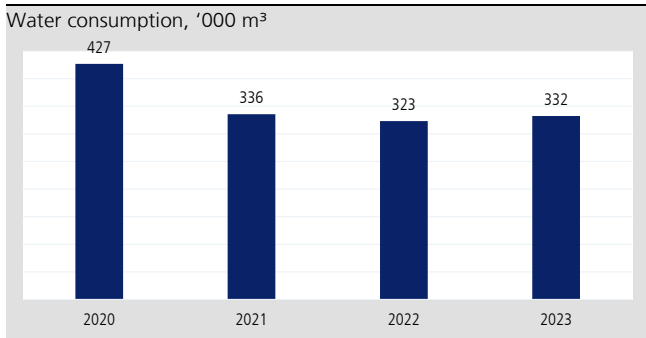
Source: Company data, SETSMART, KGI Securities Research

**Total electricity consumption**



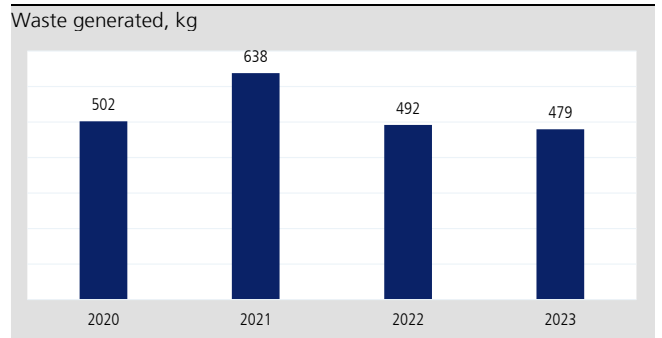
Source: Company data, SETSMART, KGI Securities Research

**Total water consumption**



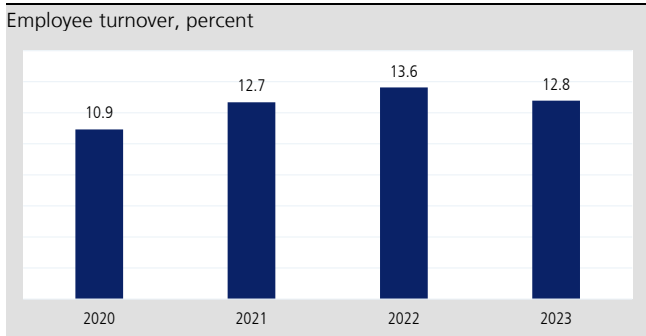
Source: Company data, SETSMART, KGI Securities Research

**Total waste**



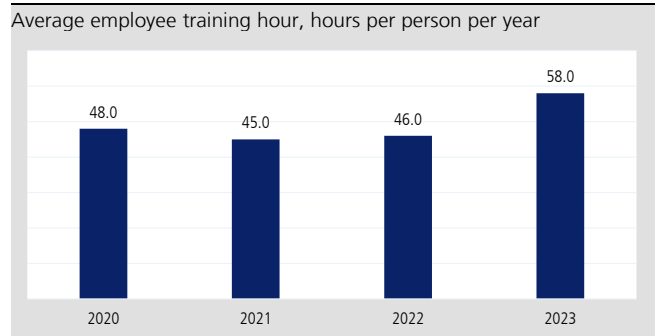
Source: Company data, SETSMART, KGI Securities Research

**Employee turnover**



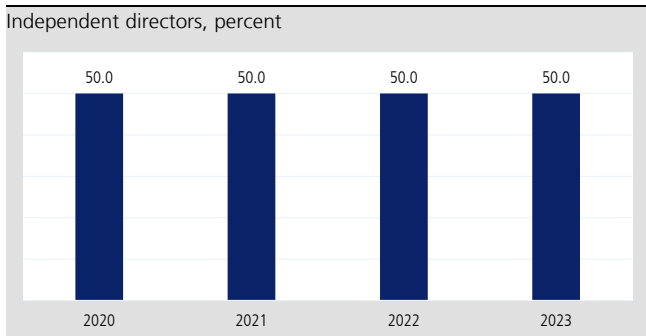
Source: Company data, SETSMART, KGI Securities Research

**Average employee training hours**



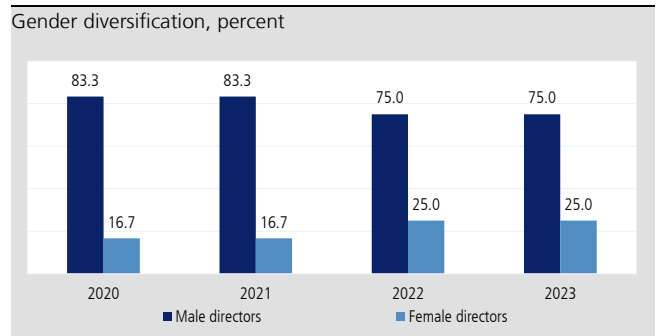
Source: Company data, SETSMART, KGI Securities Research

**Proportion of independent directors**



Source: Company data, SETSMART, KGI Securities Research

**Gender diversification of directors**



Source: Company data, SETSMART, KGI Securities Research

## 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	A
AOT	AIRPORTS OF THAILAND	A	MAJOR	MAJOR CINEPLEX GROUP	AA
AP	AP (THAILAND)	AA	MEGA	MEGA LIFESCIENCES	A
BAFS	BANGKOK AVIATION FUEL SERVICES PCL.	AA	MINT	MINOR INTERNATIONAL	AA
BAM	BANGKOK COMMERCIAL ASSET MANAGEMEN	AA	MTC	MUANGTHAI CAPITAL	A
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	A
CBG	CARABAO GROUP	A	SAPPE	SAPPE	BBB
CENTEL	CENTRAL PLAZA HOTEL	A	SAT	SOMBOON ADVANCE TECHNOLOGY	AA
CK	CH. KARNCHANG	A	SAWAD	SRISAWAD CORPORATION	BBB
CKP	CK POWER	AAA	SCB	SCB X	AA
COM7	COM7	A	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	A
CPN	CENTRAL PATTANA	AA	SICT	SILICON CRAFT TECHNOLOGY	A
EGCO	ELECTRICITY GENERATING	AA	SMPC	SAHAMITR PRESSURE CONTAINER	AA
ERW	THE ERWAN GROUP	A	SNC	SNC FORMER	A
GFPT	GFPT	BBB	SPALI	SUPALAI	AA
GLOBAL	SIAM GLOBAL HOUSE	AA	STEC	SINO-THAI ENGINEERING AND CONSTRUCTION	A
GPSC	GLOBAL POWER SYNERGY	AA	STGT	SRI TRANG GLOVES (THAILAND)	AAA
GULF	GULF ENERGY DEVELOPMENT	AA	TCAP	THANACHART CAPITAL	A
HANA	HANA MICROELECTRONICS	AA	TFG	THAIFOODS GROUP	A
HENG	HENG LEASING AND CAPITAL	A	THCOM	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	A
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



## Companies with Excellent CG Scoring

Stock	Company name	Stock	Company name	Stock	Company name
AAV	ASIA AVIATION	GFPT	GFPT	SAK	SAKSIAM LEASING
ADVANC	ADVANCED INFO SERVICE	GGC	GLOBAL GREEN CHEMICALS	SAPPE	SAPPE
AEONTS	AEON THANA SINSAP (THAILAND)	GLOBAL	SIAM GLOBAL HOUSE	SAT	SOMBOON ADVANCE TECHNOLOGY
AMA	AMA MARINE	GPSC	GLOBAL POWER SYNERGY	SCB	SCB X
AMATA	AMATA CORPORATION	GULF	GULF ENERGY DEVELOPMENT	SCC	THE SIAM CEMENT
ANAN	ANANDA DEVELOPMENT	HANA	HANA MICROELECTRONICS	SCCC	SIAM CITY CEMENT
AOT	AIRPORTS OF THAILAND	HENG	HENG LEASING AND CAPITAL	SCGP	SCG PACKAGING
AP	AP (THAILAND)	HMPRO	HOME PRODUCT CENTER	SEAFCO	SEAFCO
BAFS	BANGKOK AVIATION FUEL SERVICES PCL.	INTUCH	INTOUCH HOLDINGS	SFT	SHRINKFLEX (THAILAND)
BAM	BANGKOK COMMERCIAL ASSET MANAGEMENT	IRPC	IRPC	SHR	S HOTELS AND RESORTS
BANPU	BANPU	ITC	i-Tail Corporation	SICT	SILICON CRAFT TECHNOLOGY
BBGI	BBGI	IVL	INDORAMA VENTURES	SMPC	SAHAMITR PRESSURE CONTAINER
BBL	BANGKOK BANK	KBANK	KASIKORN BANK	SNC	SNC FORMER
BCH	BANGKOK CHAIN HOSPITAL	KCE	KCE ELECTRONICS	SNNP	SRINANAPORN MARKETING
BCP	BANGCHAK CORPORATION	KEX	KERRY EXPRESS (THAILAND)	SPALI	SUPALAI
BCPG	BCPG	KKP	KIATNAKIN PHATRA BANK	SPRC	STAR PETROLEUM REFINING
BDMS	BANGKOK DUSIT MEDICAL SERVICES	KTB	KRUNG THAI BANK	STEC	SINO-THAI ENGINEERING AND CONSTRUCTION
BEC	BEC WORLD	KTC	KRUNGTHAI CARD	STGT	SRI TRANG GLOVES (THAILAND)
BEM	BANGKOK EXPRESSWAY AND METRO	LH	LAND AND HOUSES	SUN	SUNSWEEET
BGRIM	B. GRIMM POWER	LPN	L. P. N. DEVELOPMENT	SVI	SVI
BH	BUMRUNGRAD HOSPITAL	M	MK RESTAURANT GROUP	TACC	T.A.C. CONSUMER
BPP	BANPU POWER	MAJOR	MAJOR CINEPLEX GROUP	TCAP	THANACHART CAPITAL
BTS	BTS GROUP HOLDINGS	MBK	MBK	TFG	THAIFOODS GROUP
CBG	CARABAO GROUP	MEGA	MEGA LIFESCENCES	THCOM	THAICOM
CENTEL	CENTRAL PLAZA HOTEL	MINT	MINOR INTERNATIONAL	TIDLOR	NGERN TID LOR
CK	CH. KARNCHANG	MTC	MUANGTHAI CAPITAL	TISCO	TISCO FINANCIAL GROUP
CKP	CK POWER	OR	PTT OIL AND RETAIL BUSINESS	TKN	TAOKAENOI FOOD & MARKETING
COM7	COM7	ORI	ORIGIN PROPERTY	TOP	THAI OIL
CPALL	CP ALL	OSP	OSOTSPA	TTB	TMBTHANACHART BANK
CPAXT	CP AXTRA	PLANB	PLAN B MEDIA	UBE	UBON BIO ETHANOL
CPF	CHAROEN POKPHAND FOODS	PSH	PRUKSA HOLDING	VGI	VGI
CPN	CENTRAL PATTANA	PTT	PTT	WHA	WHA CORPORATION
DELTA	DELTA ELECTRONICS (THAILAND)	PTTEP	PTT EXPLORATION AND PRODUCTION	WHAUP	WHA UTILITIES AND POWER
DOHOM	DOHOME	PTTGC	PTT GLOBAL CHEMICAL	ZEN	ZEN CORPORATION GROUP
EGCO	ELECTRICITY GENERATING	QH	QUALITY HOUSES		
ERW	THE ERWAN GROUP	RATCH	RATCH GROUP		



## Companies with Very Good CG Scoring

Stock	Company name	Stock	Company name	Stock	Company name
BSRC	BANGCHAK SRIRACHA	JMART	JAYMART GROUP HOLDINGS	SINGER	SINGER THAILAND
BTG	BETAGRO	NTSC	Nutrition SC	TNP	THANAPIRIYA
EKH	EKACHAI MEDICAL CARE	PQS	Premier Quality Starch	XO	EXOTIC FOOD
HUMAN	HUMANICA	PYLON	PYLON		



## Companies with Good CG Scoring

Stock	Company name	Stock	Company name	Stock	Company name
IIG	I&I GROUP	SAWAD	SRISAWAD CORPORATION	SPA	SIAM WELLNESS GROUP
JMT	JMT NETWORK SERVICES	SMD	SAINTMED		

## Companies classified Not in the three highest score groups

Stock	Company name	Stock	Company name	Stock	Company name
AU	AFTER YOU	PJW	PANJAWATTANA PLASTIC	TGE	THACHANG GREEN ENERGY
CHG	CHULARAT HOSPITAL	PLT	Pilatus Marine	TPCH	TPC POWER HOLDING
LPH	LADPRAO GENERAL HOSPITAL	PTG	PTG ENERGY	TU	THAI UNION GROUP
MENA	MENA TRANSPORT	SFLEX	STARFLEX		
NETBAY	NETBAY	SISB	SISB		

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	KASIKORN BANK	SIRI	SANSIRI
BIGC	BIG C SUPERCENTER	KCE	KCE ELECTRONICS	SPALI	SUPALAI
CK	CH. KARNCHANG	KKP	KIATNAKIN BANK	STEC	SINO-THAI ENGINEERING AND CONSTRUCTION
DCC	DYNASTY CERAMIC	KTB	KRUNGTHAI 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	SRI SAWAD 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	SEAFSCO	SEAFSCO
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

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**KGI's Ratings**

<b>Rating</b>	<b>Definition</b>
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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