

HANA Microelectronics HANA

HANA Microelectronics
Public Company Limited

Bloomberg HANA.TB
Reuters HANA.BK



Expect 2H24 earnings to improve HoH

The appreciation of the baht will pressure earnings in the short term but we still expect earnings to improve HoH on stronger demand for PCBA and RFID and some recovery in ICs. At the same time, it will take time for PMS and the new JV, FT1, to get into the black. The 25.8% YTD plunge in share price already prices in the negatives. Outperform with a TP of Bt56.0 based on 23.4X of +0.5 SD of its 5-year PE mean.

Short-term pressure from baht appreciation but still expect growth HoH. HANA held an analyst meeting yesterday. The overall meeting tone was slightly negative. It faces damage from the appreciation of the baht against the US\$ and a slower-than-expected power master semiconductor (PMS) business, high competition in silicon (Si) products and slow EV demand that will erode high-margin silicon carbide (SiC) products. However, PCBA demand remains solid, driven by automotive and industrial-related products in Thailand as well as strong demand for access control and RFID tags in China. RFID inlay demand in the US is expected to continue strong with a new product with Auburn certification to be launched in 2H24 driving overall RFID revenue in 2H24 and 2025. ICs are recovering on the AI smartphone replacement cycle, with the Ayutthaya IC plant load factor increasing to 60% in 2Q24 from 9% and expected to continue improving in 2H24. All told, we expect 2H24 earnings to improve HoH, backed by strong PCBA, IC, and RFID demand, with some partial offset from the negative of the strong baht.

RFID business to be nearest growth driver for HANA. Revenue from RFID is expected to increase significantly in 2H24 and 2025 due to new design products with Auburn qualifications, expected to be certified by end-August 2024, and increased production capacity in 3Q24 at the Ohio plant in the US to support the strong RFID inlay demand. Note that Walmart will require all its suppliers to use RFID tags on all products sold in Walmart stores in 2024, something that is increasingly being seen throughout the retail supply chain, particularly in the US, and will further increase demand for RFID tags for inventory management. HANA is well-positioned to benefit from these developments in the RFID market. HANA's RFID sales accounted for 12% of total revenue in 4Q23 and we maintain our conservative 13% projection for the 2024 revenue share.

PMS business expected to reach EBITDA breakeven in 2025. The PMS business is expected to be flat HoH in 2H24, with highly competitive Si product pricing pressuring average selling prices. While raw material costs are falling, HANA has obligations to purchase at higher prices. SiC product demand is expected to decline slightly due to a slowdown in EV demand, especially in Europe. HANA's management expects EBITDA breakeven for PMS next year.

New JV FT1 expected to start up in mid-2027. FT1 is a JV between HANA (49%) and PTT (51%) to study investment in wafer fabrication. The plant will be built in Lamphun province and is expected to start operating in mid-2027. The first customer will be HANA's PMS business. HANA will invest Bt744.8mn, which it will fund via internal cash, which amounted to Bt9.4bn at end-2Q24.

Action & recommendation. The 25.8% YTD plunge in share price already prices in the negatives. We recommend Outperform with a 2025 target price of Bt56 based on 23.4X of +0.5 SD of its 5-year historical PE mean.

Key risks are changes in purchasing power, and exchange rate volatility. Key ESG risk are labor management and suppliers (S).

Forecasts and valuation

Year to 31 Dec	Unit	2022	2023	2024F	2025F	2026F
Revenue	(Btmn)	27,167	26,152	27,599	30,711	32,208
EBITDA	(Btmn)	3,276	2,854	3,404	3,547	3,700
Core profit	(Btmn)	2,384	2,035	1,958	2,136	2,226
Reported profit	(Btmn)	2,102	1,761	1,958	2,136	2,226
Core EPS	(Bt)	3.0	2.5	2.2	2.4	2.5
DPS	(Bt)	2.00	1.00	1.55	1.69	1.76
P/E, core	(x)	13.3	15.9	17.9	16.4	15.7
EPS growth, core	(%)	36.0	(16.2)	11.2	9.1	4.2
P/BV, core	(x)	1.3	1.1	1.2	1.2	1.2
ROE	(%)	9.0	6.6	6.8	7.3	7.5
Dividend yield	(%)	5.1	2.5	3.9	4.3	4.5
EBITDA growth	(%)	13.3	(12.9)	19.2	4.2	4.3

Source: InnovestX Research

Tactical: OUTPERFORM (3-month)

Stock data

Last close (Aug 22) (Bt)	39.50
Target price (Bt)	56.00
Mkt cap (Btmn)	34.97
Mkt cap (US\$mn)	1,016

Beta	M
Mkt cap (%) SET	0.21
Sector % SET	8.59
Shares issued (mn)	885
Par value (Bt)	1.00
12-m high / low (Bt)	66.3 / 35.3
Avg. daily 6m (US\$mn)	13.51
Foreign limit / actual (%)	100 / 45.22
Free float (%)	61.1
Dividend policy (%)	30 - 100

Share performance

(%)	1M	3M	12M
Absolute	(13.7)	(3.1)	(37.1)
Relative to SET	(16.2)	(1.1)	(27.3)

Source: SET, InnovestX Research

2023 Sustainability / 2022 ESG Score

SET ESG Ratings	AA
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ESG Bloomberg Rank in the sector

ESG Score Rank	4/8
Environmental Score Rank	3/8
Social Score Rank	4/8
Governance Score Rank	4/8

ESG comment

HANA is committed to reducing its environmental impact and to reduce the various impacts of its operations. The company's key ESG focus areas are labor management and suppliers.

Source: Bloomberg Finance L.P.

Analyst

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Value proposition

HANA, the leading independent electronics manufacturing service (EMS) company in Southeast Asia, manufactures a wide range of products across its six production facilities in Thailand (Ayutthaya and Lamphun), China (Jiaxing), USA (Ohio), and Cambodia. These facilities boast a total manufacturing floor space of over 1,100,000 square feet. In 2023, microelectronics or printed circuit board assembly (PCBA) accounted for 61% of its revenue, followed by semiconductor integrated circuit (IC) at 31%, microdisplay at 6% and silicon (Si)/silicon carbide (SiC) at 2%.

Business outlook

We expect net profit to grow 11.2% in 2024, assuming there are no significant extraordinary expenses (vs. a Bt262mn one-time write-down of inventory related to the silicon carbide business in 2023). We expect core earnings to decline 3.8% in 2024 on a weak IC business. The production machinery and equipment for the SiC business will gradual come on line for installation until 2025 and HANA expects it to reach EBITDA breakeven in 2025. We expect HANA to benefit from the AI smartphone replacement cycle, with the telecom (mobile) segment contributing 8% of total revenue in 2023. This trend has the potential to translate into upside for the IC business in 2H24.

Bullish views	Bearish views
1. The beginning of AI smartphone replacement cycle to drive overall mobile and PC demand in 2H24	1. Weak demand in 2H24 from weak economic activities, especially in China
2. Expect strong growth in SiC business due to strong customer order backlog	2. Order delays while it is in the midst of an investment cycle, especially for the SiC business, will hurt.
3. RFID is expected to be key growth driver in 2024	3. An increase in labor cost would erode profitability

Key catalysts

Factor	Event	Impact	Comment
3Q24F earnings outlook	Expect net profit to improve QoQ on one-time reversal of provision expense related to supply chain fund. Core earnings are expected to rise QoQ	Improve QoQ but down YoY	Expect net profit to improve QoQ on one-time reversal of provision expense related to supply chain fund while expect core earnings to continue to improve QoQ due to solid PCBA, IC, and RFID businesses.
2024 net profit outlook	Expect net profit to improve 11.4% on the back of one-time reversal of provision expense related to supply chain fund.	Improve YoY	We expect core earnings to grow 11.4% in 2024 on a one-time reversal of provision expense related to supply chain fund. Core earnings are expected to decline 3.8% in 2024, pulled down by a weak IC business

Sensitivity Analysis

Factor	Earnings impact	TP impact
1% rise in sales revenue (Dollar term)	1.0%	Bt0.4/sh.
Bt1.0 per US\$ depreciation	2.5%	Bt2.0/sh.

Our view on ESG

HANA is committed to reducing its environmental impact and combating climate change and assesses the potential of its significant machinery and equipment to identify energy conservation measures as well as social responsibility to reduce the various impacts of its operations. The company's key ESG focus areas are labor management and suppliers. The company requires a large workforce, and some of the required skills are highly specialized.

Disclosure Score

Bloomberg ESG Score	38.09 (2022)
Rank in Sector	4/8

CG Rating	DJSI	SETESG	SET ESG Ratings	
HANA	5	No	Yes	AA

Source: Thai Institute of Directors (IOD), SET

Environmental Issue (E)

- HANA is committed to reducing its environmental impact and combating climate change. It uses the United Nations Sustainable Development Goals (SDGs) as a framework for its environmental development.
- Energy efficiency measures: HANA assesses the potential of its significant machinery and equipment to identify energy conservation measures. It has invested in various projects to improve efficiency or replace machinery and equipment to save energy. It also has energy conservation projects to reduce electricity consumption or the use of non-renewable energy.
- We believe that HANA's environmental management is relatively behind from peers. This is because the company has limited publish of the key environment data. This is consistent with the company's ESG environmental score, which is lagging the industry average.

Social Issue (S)

- HANA conducts business with social responsibility to reduce the various impacts of its operations. It adheres to the principles of transparent, verifiable, and ethical operation, and respects human rights. It focuses on the needs and expectations of stakeholders throughout the value chain, such as respecting human rights.
- HANA is committed to conducting business ethically and responsibly towards society and all stakeholders in accordance with corporate governance and ethics. In terms of human rights protection, the company strictly complies with laws and international principles.
- We believe that labor issues are a significant factor for HANA. The company requires a large workforce, and some of the required skills are highly specialized. Therefore, we place a higher weight on social factors than on other ESG factors. While the ESG social score still below industry average.

Governance Issue (G)

- HANA conducts business with good governance, transparency, and responsibility. It considers the long-term growth of the company and continuously creates appropriate returns for shareholders. It also promotes creativity and drives innovation in both production processes, work processes, and services to increase efficiency and deliver products and services to customers with quality standards. This leads to the creation of benefits or positive impacts on the organization towards sustainable development.
- The Board of Directors has established a Sustainability Committee composed mostly of independent directors. The Committee is tasked with setting the sustainability policy, framework, goals, strategies, and overseeing the implementation and monitoring of progress.
- HANA also has a policy of opening up opportunities for stakeholders to participate in communication and engagement on issues that different stakeholder groups have or may be affected by the company's operations. It uses stakeholder feedback to assess key issues and find ways to benefit all parties involved.
- We believe that governance is an area where HANA needs to improve. The company's ESG governance score is lower than the industry average.

ESG Disclosure Score

	2021	2022
ESG Disclosure Score	38.48	38.09
Environment	30.29	30.72
GHG Scope 1 ('000 metric tonnes)	0.5	0.5
GHG Scope 2 Location-Based (%)	23.3	23.3
Waste Reduction Policy	Yes	Yes
Social	24.79	23.22
Women in Management (%)	39.0	—
Women in Middle and or Other Management (%)	57	45
Women in Workforce (%)	72	69
Governance	60.26	60.26
Board Size (persons)	6	8
Number of Non Executive Directors on Board (persons)	3	4
Number of Board Meetings for the Year	7	6
Board Meeting Attendance (%)	100	100

Source: Bloomberg Finance L.P.

Disclaimer

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

Financial statement

Profit and Loss Statement

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Total revenue	(Btmn)	20,384	19,283	23,780	27,167	26,152	27,599	30,711	32,208
Cost of goods sold	(Btmn)	(18,070)	(16,734)	(20,493)	(23,506)	(23,172)	(23,956)	(26,657)	(27,957)
Gross profit	(Btmn)	2,314	2,548	3,287	3,661	2,980	3,643	4,054	4,251
SG&A	(Btmn)	(1,254)	(1,211)	(1,697)	(2,014)	(1,672)	(2,042)	(2,273)	(2,383)
Other income	(Btmn)	866	671	471	552	536	544	553	562
Interest expense	(Btmn)	(13)	(9)	(7)	(13)	(52)	(62)	(62)	(62)
Pre-tax profit	(Btmn)	1,913	1,968	1,598	2,209	1,846	2,083	2,272	2,368
Corporate tax	(Btmn)	(108)	(60)	(53)	(107)	(85)	(125)	(136)	(142)
Equity a/c profits	(Btmn)	0	0	0	0	0	0	0	0
Minority interests	(Btmn)	0	0	0	0	0	0	0	0
Core profit	(Btmn)	1,490	1,778	2,229	2,384	2,035	1,958	2,136	2,226
Extra-ordinary items	(Btmn)	0	(31)	(455)	24	55	0	0	0
Net Profit	(Btmn)	1,805	1,908	1,545	2,102	1,761	1,958	2,136	2,226
EBITDA	(Btmn)	2,198	2,512	2,892	3,276	2,854	3,404	3,547	3,700
Core EPS	(Btmn)	1.85	2.21	2.77	2.96	2.48	2.21	2.41	2.51
Net EPS	(Bt)	2.24	2.37	1.92	2.61	2.14	2.21	2.41	2.51
DPS	(Bt)	1.65	1.30	1.75	2.00	1.00	1.55	1.69	1.76

Balance Sheet (Btmn)

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Total current assets	(Btmn)	17,015	17,720	17,570	18,243	23,159	23,730	24,647	25,477
Total fixed assets	(Btmn)	7,412	7,460	10,283	11,460	12,147	12,696	12,928	13,108
Total assets	(Btmn)	24,426	25,180	27,853	29,703	35,306	36,426	37,575	38,584
Total loans	(Btmn)	802	311	342	619	1,443	334	334	334
Total current liabilities	(Btmn)	3,182	2,806	4,029	5,027	5,034	4,273	4,591	4,851
Total long-term liabilities	(Btmn)	699	760	766	814	1,125	3,447	3,575	3,625
Total liabilities	(Btmn)	3,881	3,567	4,795	5,841	6,159	7,720	8,166	8,476
Paid-up capital	(Btmn)	805	805	805	805	885	885	885	885
Total equity	(Btmn)	20,546	21,614	23,058	23,862	29,147	28,705	29,409	30,108
BVPS	(Bt)	23.21	24.41	26.04	26.95	32.92	32.42	33.22	34.01

Cash Flow Statement (Btmn)

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Core Profit	(Btmn)	1,913	1,968	1,598	2,209	1,846	2,083	2,272	2,368
Depreciation and amortization	(Btmn)	1,138	1,175	1,301	1,630	1,702	1,803	1,766	1,832
Operating cash flow	(Btmn)	2,976	(675)	2,093	1,342	3,250	1,866	2,461	3,204
Investing cash flow	(Btmn)	(610)	(1,170)	(4,114)	(1,169)	(3,413)	(2,330)	(1,870)	(1,961)
Financing cash flow	(Btmn)	(1,865)	(1,322)	(75)	(1,102)	5,073	(256)	(1,433)	(1,527)
Net cash flow	(Btmn)	501	(3,167)	(2,096)	(929)	4,580	(720)	(842)	(284)

Key Financial Ratios

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Gross margin	(%)	11.4	13.2	13.8	13.5	11.4	13.2	13.2	13.2
Operating margin	(%)	5.2	6.9	6.7	6.1	5.0	5.8	5.8	5.8
EBITDA margin	(%)	10.8	13.0	12.2	12.1	10.9	12.3	11.5	11.5
EBIT margin	(%)	9.4	10.4	8.7	8.1	7.0	7.8	7.6	7.5
Net profit margin	(%)	8.9	9.9	6.5	7.7	6.7	7.1	7.0	6.9
ROE	(%)	8.8	8.8	6.7	8.8	6.0	6.8	7.3	7.4
ROA	(%)	7.4	7.6	5.6	7.1	5.1	5.5	5.8	5.9
Net D/E	(x)	(0.4)	(0.2)	(0.1)	(0.1)	(0.2)	(0.1)	(0.1)	(0.0)
Interest coverage	(x)	80.1	147.5	212.3	131.6	25.2	25.6	28.5	29.9
Debt service coverage	(x)	2.4	6.5	6.0	3.5	1.3	6.4	7.0	7.3
Payout Ratio	(%)	81.0	60.3	100.3	84.2	50.3	70.0	70.0	70.0

Main Assumptions

FY December 31	Unit	2019	2020	2021	2022	2023	2024F	2025F	2026F
Total sales	(Btmn)	20,384	19,283	23,780	27,167	26,152	27,599	30,711	32,208
Sales from PCBA business	(Btmn)	11,967	11,306	13,425	15,028	15,953	15,147	14,844	14,906
Sale from IC business	(Btmn)	7,580	7,294	9,344	10,231	8,107	8,164	8,001	7,938
Sales from Micro display business	(Btmn)	838	687	962	1,343	1,569	1,864	1,999	2,132
Sales from PMS business	(Btmn)	0	4	50	299	523	1,750	3,500	4,200
Total GPM	(%)	11.4	13.2	13.8	13.5	11.4	13.2	13.2	13.2
FX	(THB/US\$)	31.1	31.3	32.0	35.4	35.0	35.0	35.0	35.0

Financial statement

Profit and Loss Statement

FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Total revenue	(Btmn)	7,545	7,125	6,466	6,910	6,555	6,221	6,371	6,752
Cost of goods sold	(Btmn)	(6,378)	(6,171)	(5,913)	(5,871)	(5,523)	(5,864)	(5,683)	(5,918)
Gross profit	(Btmn)	1,167	954	553	1,039	1,031	357	687	834
SG&A	(Btmn)	(408)	(505)	(382)	(392)	(449)	(408)	(415)	(418)
Other income	(Btmn)	133	142	137	144	131	124	131	127
Interest expense	(Btmn)	(3)	(6)	(2)	(8)	(17)	(25)	(24)	(26)
Pre-tax profit	(Btmn)	463	1,107	279	668	755	144	340	407
Corporate tax	(Btmn)	(46)	(31)	(12)	(33)	(21)	(19)	(27)	(31)
Equity a/c profits	(Btmn)	0	0	0	0	0	0	0	0
Minority interests	(Btmn)	0	0	0	0	0	0	0	0
Core profit	(Btmn)	817	586	293	743	678	297	350	482
Extra-ordinary items	(Btmn)	(42)	160	0	(218)	185	88	(0)	(2)
Net Profit	(Btmn)	417	1,075	266	635	734	125	313	376
EBITDA	(Btmn)	798	1,308	564	1,073	1,003	370	654	763
Core EPS	(Btmn)	1.02	0.73	0.36	0.92	0.84	0.34	0.39	0.54
Net EPS	(Bt)	0.52	1.34	0.33	0.79	0.91	0.14	0.35	0.42

FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Total current assets	(Btmn)	18,914	18,243	17,613	19,176	20,360	23,159	24,370	24,563
Total fixed assets	(Btmn)	11,262	11,460	11,294	11,839	12,269	12,147	12,373	12,618
Total assets	(Btmn)	30,176	29,703	28,906	31,015	32,629	35,306	36,742	37,182
Total loans	(Btmn)	0	0	0	849	1,626	1,280	1,398	1,425
Total current liabilities	(Btmn)	5,545	5,027	4,099	5,681	6,100	5,034	5,489	5,683
Total long-term liabilities	(Btmn)	833	814	822	878	1,058	1,125	1,157	1,321
Total liabilities	(Btmn)	6,378	5,841	4,920	6,560	7,158	6,159	6,646	7,004
Paid-up capital	(Btmn)	805	805	805	805	805	885	805	805
Total equity	(Btmn)	23,798	23,862	23,986	24,456	25,471	29,147	30,096	30,177
BVPS	(Bt)	30	30	30	30	32	33	37	37

Cash Flow Statement (Btmn)

FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Core Profit	(Btmn)	463	1,107	278	668	755	145	515	858
Depreciation and amortization	(Btmn)	419	469	421	426	429	426	522	389
Operating cash flow	(Btmn)	(330)	1,188	117	1,271	788	1,075	(1,268)	1,866
Investing cash flow	(Btmn)	(815)	(71)	(507)	(1,036)	(913)	(957)	576	(576)
Financing cash flow	(Btmn)	(303)	(406)	(2)	444	768	3,862	(5,331)	(733)
Net cash flow	(Btmn)	(1,448)	710	(391)	679	643	3,650	(5,691)	556

Key Financial Ratios

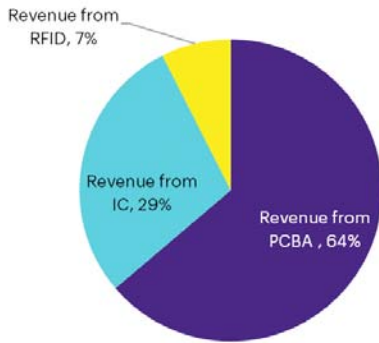
FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Gross margin	(%)	15.5	13.4	8.6	15.0	15.7	5.7	10.8	12.4
Operating margin	(%)	10.1	6.3	2.7	9.4	8.9	(0.8)	4.3	6.2
EBITDA margin	(%)	10.6	18.4	8.7	15.5	15.3	5.9	10.3	11.3
EBIT margin	(%)	11.8	8.3	4.8	11.4	10.9	1.2	6.3	8.0
Net profit margin	(%)	5.5	15.1	4.1	9.2	11.2	2.0	4.9	5.6
ROE	(%)	1.8	4.5	1.1	2.6	2.9	0.4	1.0	1.2
ROA	(%)	1.4	3.6	0.9	2.0	2.2	0.4	0.9	1.0
Net D/E	(x)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.2)	(0.9)	(0.0)
Interest coverage	(x)	185.2	189.3	158.4	84.1	44.5	6.9	15.2	16.7
Debt service coverage	(x)	325.2	99.7	165.4	41.6	10.0	6.1	6.5	6.3

Main Assumptions

FY December 31	Unit	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24
Total sales	(Btmn)	7,545	7,125	6,466	32,216	6,555	6,221	6,371	6,752
Sales from PCBA business	(Btmn)	4,219	3,932	3,912	4,164	4,010	3,867	4,121	4,306
Sale from IC business	(Btmn)	2,957	2,454	2,209	2,405	2,156	1,860	1,839	1,942
Sales from Micro display business	(Btmn)	370	740	345	341	389	494	411	504
Sales from PMS business	(Btmn)	109	118	146	129	92	156	90	170
Total GPM	(%)	15.5	13.4	8.6	15.0	15.7	5.7	10.8	12.4
FX	(Bt/US\$)	36.4	36.4	34.1	34.5	35.5	35.5	36.5	36.5

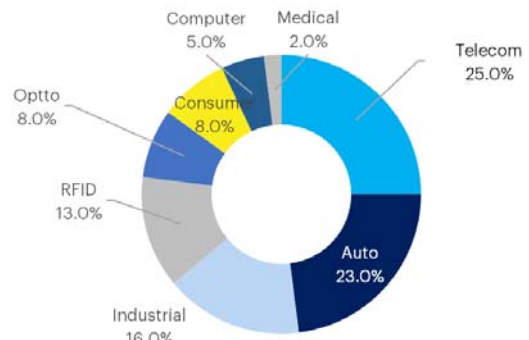
Appendix

Figure 1: Revenue breakdown (2Q24)



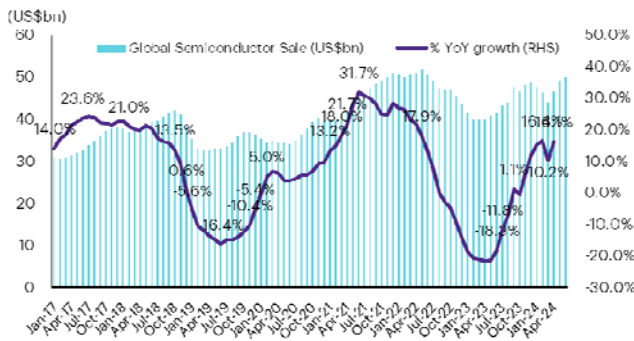
Source: Company data and InnovestX Research

Figure 2: Product End Application (2Q24)



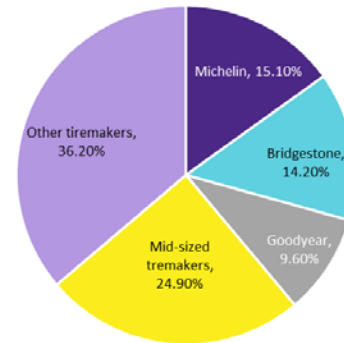
Source: Company data and InnovestX Research

Figure 3: Global semiconductor sale



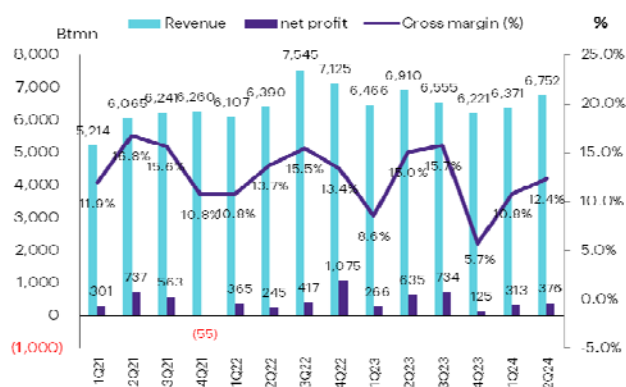
Source: SIA and InnovestX Research

Figure 4: Tire manufacturers' share of the global tire market



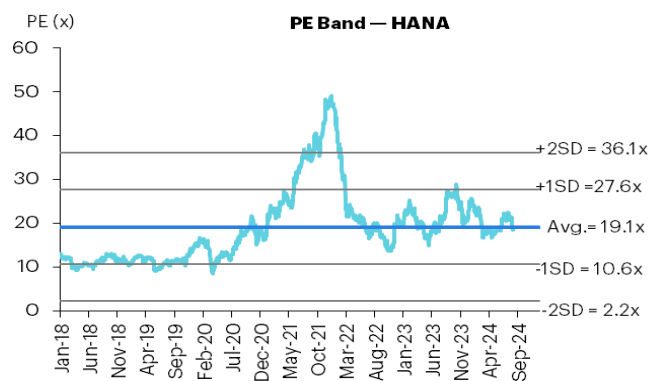
Source: Statista and InnovestX Research

Figure 5: Quarterly net profit



Source: HANA and InnovestX Research

Figure 6: HANA - PE band



Source: HANA and InnovestX Research

Figure 7: Valuation summary (price as of Aug 22, 2024)

	Rating	Price (Bt/Sh)	Target (Bt/Sh)	ETR (%)	P/E (x)			EPS growth (%)			P/BV (x)			ROE (%)			Div. Yield (%)			EV/EBITDA (x)			
					23A	24F	25F	23A	24F	25F	23A	24F	25F	23A	24F	25F	23A	24F	25F	23A	24F	25F	
DELTA	Neutral	103.00	109.0	6.3	72.5	61.7	55.6	22	18	11	19.0	15.6	13.0	29	28	26	0.4	0.5	0.5	57.0	52.3	46.6	
HANA	Outperform	39.50	56.0	45.7	15.9	17.9	16.4	(16)	(11)	9	1.1	1.2	1.2	8	7	7	2.5	3.9	4.3	11.4	10.3	9.9	
KCE	Outperform	38.25	55.0	45.8	28.8	19.9	18.6	(31)	(31)	45	7	3.3	3.0	2.7	12	16	15	1.6	2.0	2.1	15.6	12.7	12.6
Average					39.1	33.2	30.2	(9)	17	9	7.8	6.6	5.7	16	17	16	1.5	2.1	2.3	28.0	25.1	23.0	

Source: 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, EPG, ERW, ETC, ETE, FE, FLOYD, FN, FPI, FPT, FSX, FVC, GBX, GC, GCAP, GENCO, GFPT, GGC, GLAND, GLOBAL, GPSC, GRAMMY, GULF, GUNKUL, HANA, HARN, HENG, HMPRO, HPT, HTC, ICC, ICHI, ICN, III, ILINK, ILM, IMH, IND, INET, INTUCH, IP, IRC, IRPC, ITC, ITEL, IVL, JAS, JTS, KBANK, KCC, KCE, KEX, KKP, KSL, KTB, KTC, KTMS, KUMWEL, KUN, LALIN, LANNA, LH, LHF, 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, PITTEP, PTGCG, Q-CON, QH, QTC, RATCH, RBF, RPH, RS, RT, S, S&J, SA, SABINA, SAK, SAMART, SAMTEL, SAPPE, SAT, SBNEXT, SC, SCB, SCC, SCCC, SCG, SCGP, SCM, SDC, SEAFCO, SEAOL, SECURE, SELIC, SENA, SENX, SFP², SFT, SGC, SGF, SGP, SHR, SICT, SIRI, SIS, SITHAI, SJWD, SKR, SM, SMP, SMT, SNC, SNNP, SNP, SO, SPALI, SPC, SPCG, SPI, SPRC, SR, SSC, SSF, SSSC, STA, STC, STEC, STGT, STI, SUC, SUN, SUSCO, SUTHA, SVI, SVT, SYMC, SYNEX, SYNTec, TACC, TAE, TCAP, TCMC, TEAMG, TEGH, TFG, TFMAMA, TGE, TGH, THANA, THANI, THCOM, THIP, THRE, THREL, TIDLOR, TIPH, TISCO, TK, TKN, TKS, TKT, TLI, TM, TMC, TMD, TMT, TNDT, TNITY, TNL, TNR, TOA, TOG, TOP, TPBI, TPCS, TPIPL, TPIPP, TPS, TQM, TQR, TRT, TRUE, TRV, TSC, TSTE, TSTH, TTA, TTB, TTCL, TTW, TURTLE, TVDH, TVH, TVO, TVT, TWPC, UAC, UBE, UBIS, UKEM, UP, UPF, UPOIC, UV, VCOM, VGI, VIBHA, VIH, VL, WACOAL, WGE, WHA, WHAUP, WICE, WINMED, WINNER, XPG, YUASA, ZEN

Companies with Very Good CG Scoring

2S, A5, AAI, AIE, ALUCON, AMR, APURE, ARIN, AS, ASIA, ASIAN, ASIMAR, ASN, AURA, BR, BSBM, BSRC, BTG, CEN, CGH, CH, CHIC, CI, CIG, CMC, COMAN, CSP, DOD, DPAINT, DV8, EFORL, EKH, 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, WIJK, 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

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To recognize well performers, the list of companies attaining "Good", "Very Good" and "Excellent" levels of recognition (Not including listed companies qualified in the "no announcement of the results" clause from 1 January 2022 to 31 October 2023) is publicized.

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

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

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

Anti-corruption Progress Indicator

Certified (ได้ผ่านการรับรอง)

2S, AAI, ADVANC, AE, 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, BLA, BPP, BRR, BSBM, BTC, 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, KCE, KGEN, KGI, KKP, KSL, KTB, KTC, L&E, LANNA, LHF, LHK, LPN, LH, MAJOR, MALEE, MATCH, MBAX, MBK, MC, MCOT, META, MFC, MFEC, MILL, MINT, MONO, MOONG, MSC, MST, MTC, MTI, NATION, NCAP, NEP, NKI, NOBLE, NRF, NWR, OCC, OGC, OR, ORI, PAP, PATO, PB, PCSGH, PDG, PDJ, PG, PHOL, PIMO, PK, PL, PLANB, PLANET, PLAT, PM, PPP, PPM, PPS, PR9, PREB, PRG, PRINC, PRM, PROS, PSH, PSL, PSTC, PT, PTECH, PTG, PTT, PITTEP, PTGCG, PYLON, Q-CON, QH, QLT, QTC, RABBIT, RATCH, RML, RS, RWI, S&J, SAAM, SABINA, SAK, SAPPE, SAT, SC, SCC, SCCC, SCG, SCGP, SCM, SCN, SEAOL, SE-ED, SELIC, SENA, SGC, SGP, SIRI, SITHAI, SKR, SMIT, SMK, SMP, SNC, SNP, SORKON, SPACK, SPALI, SPC, SPI, SPRC, SRICHA, SSF, SSP, SSSC, SST, STA, STGT, STOWER, SUSCO, SVI, SYMC, SYNTec, TAE, TAKUNI, TASC, TCAP, TCMC, TFG, TFI, TFMAMA, TGE, TGH, THANI, THCOM, THIP, THRE, THREL, TIDLOR, TIPCO, TISCO, TKS, TKT, TMD, TMILL, TMT, TNITY, TNL, TNP, TNR, TOG, TOP, TOPP, TPA, TPCS, TRT, TRU, TSC, TSI, TSTE, TSTH, TTA, TTB, TTCL, TU, TVDH, TVO, TWPC, UBE, UBIS, UEC, UKEM, UOBKH, UV, VCOM, VGI, VIH, WACOAL, WHA, WHAUP, WICE, WIJK, XO, YUASA, ZEN, ZIGA

Declared (ประกาศเจตนา)

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, APX, APO, APP, APURE, AQUA, ARIN, ARIP, ARROW, ASAP, ASEFA, ASIA, ASIMAR, ASN, ATP30, AU, AUCT, AURA, B52, BA, BBIK, BC, BCT, BDMS, BEAUTY, BEM, BGT, BH, BIG, BIOTEC, BIS, BIZ, BJC, BJCHI, BKD, BKGI, BKIH, BLC, BLESS, BLISS, BM, BOL, BPS, BR, BRI, BROCK, BSM, BSRC, BTNC, BTW, BUI, BVG, CCET, CCP, CEYE, CFARM, CGD, CH, CHAO, 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, DTICI, DV8, EASON, ECL, EE, EFORL, EMC, ETL, EFTO, EVER, F&D, FANCY, FE, FLOYD, FM, FMT, FN, FORTH, FTI, FVC, GABLE, GENCO, GFC, GIFT, GL, GLAND, GLOCON, GLORY, GRAMMY, GRAND, GSC, GTB, GYT, HEALTH, HFT, HL, HPT, HTECH, HUMAN, HYDRO, I2, IIG, IMH, IND, INGRS, INSET, IP, IRC, IRCP, IT, ITD, ITNS, ITTHI, JAK, JCK, JCKH, JCT, JDF, JPARK, JSP, JUBILE, K, KAMART, KC, KCC, KCG, KCM, KDH, KEX, KIAT, KISS, KJL, KK, KKC, KLINI, KOOL, KTIS, KTMS, KUMWEL, KUN, KWC, KWI, KWM, KYE, LALIN, LDC, LEE, LIT, LOXLEY, LPH, LST, LTS, MAGURO, 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, NCP, NDR, NEO, NETBAY, NEW, NEWS, NFC, NL, NNCL, NOK, NOVA, NPK, NSL, NTSC, NTV, NUSA, NV, NVD, NYT, OHTL, ONEE, ORN, PACO, PAF, PANEL, PCC, PEACE, PERM, PF, PHG, PICO, PIN, PUJ, PLE, PLT, PMTA, POLAR, PORT, PPM, PRAKIT, PRAPAT, PRECHA, PRI, PRIN, PRO, PROUD, PSG, PSP, PTC, PTL, QTGC, 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, TPIPL, 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.