

DELTA ELECTRONICS

THAILAND / ELECTRONIC COMPONENT

DELTA TB

REDUCE

UNCHANGED

TARGET PRICE	THB70.00
CLOSE	THB113.00
UP/DOWNSIDE	-38.1%
PRIOR TP	THB56.00
CHANGE IN TP	+25.0%
TP vs CONSENSUS	+7.4%

EV power and AI are key drivers

- DELTA posted a record high profit in 2Q23, support by solid revenue from EV power and fan and thermal management.
- We have a positive view from the analyst meeting.
- Roll over our 2024 target price to THB70, retain REDUCE call.

2Q23 net profit posted a new high and beat our estimate by 11%

DELTA reported a 2Q23 net profit of THB4.67b (+29% q-q, +9.5% y-y) – a record high. Excluding an FX gain of THB233m, its normalised earnings were equal to THB4.43b (+28% q-q, +13% y-y), better than our and BBG's consensus estimate by 11% and 18%, respectively. 2Q23 USD revenue grew by 8% q-q and 25% y-y to post a record high of USD1b, due to solid growth in the power electronics segment. To elaborate, EV power revenue sharply increased by 17% q-q and 107% y-y. Meanwhile, higher demand for AI applications was a driver for its data centre revenue growth. Its 2Q23 gross margin increased to 23.4%, up from 20.8% in 1Q23, but dropped from 25.1% in 2Q22 due to higher material costs.

Positive outlook from analyst meeting

We have a positive view from the analyst meeting on 31 July 2023. EV power orders are not only continuing to be strong but its raw material problems are also easing. Therefore, DELTA was able to increase its fulfilment rate to 80% of its EV orders in 2Q23, up from 60% in 1Q23. The company aims to raise the rate to 90-100% in 2H23. The data centre outlook is maintained with moderate growth, but DELTA is starting to see some potential from AI application customers. If management can see any significant growth in 2H23, they might reveal its numbers in the future. In addition, DELTA is establishing new factories in Thailand (EV plant) and India, with commercial runs expected to start in 2024.

Overall situation is in line with our assumptions

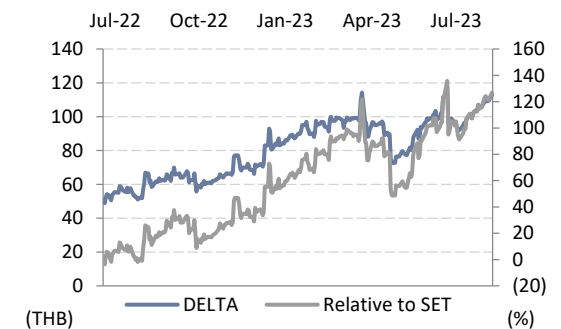
DELTA's 1H23 core profit was equal to THB7.89b (+28% y-y), which accounted for 45% of our full-year forecast. We maintain our 2023E core profit of THB17.6b (+21% y-y) and THB21.7b (+23% y-y), based on aggressive assumptions in line with management's target. We expect its profit would continue to grow in 3Q23, due to the peak season.

Maintain REDUCE with a new TP of THB70

We roll over our 2024 target price to THB70, based on the same target P/E at 40x – the highest P/E among peers. We have a positive outlook for long-term growth, which should be supported by the strong growth of EV power and the AI application industry. However, the current share price is overvalued, as it is trading at 80x and 65x 2023-24E P/E.

KEY STOCK DATA

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	118,558	132,122	160,359	182,184
Net profit	15,343	17,596	21,695	25,192
EPS (THB)	1.23	1.41	1.74	2.02
vs Consensus (%)	-	4.9	11.0	15.0
EBITDA	18,240	21,154	25,467	29,175
Recurring net profit	14,563	17,596	21,695	25,192
Core EPS (THB)	1.17	1.41	1.74	2.02
Chg. In EPS est. (%)	-	-	-	-
EPS growth (%)	139.7	20.8	23.3	16.1
Core P/E (x)	96.8	80.1	65.0	56.0
Dividend yield (%)	0.3	0.7	0.9	1.1
EV/EBITDA (x)	76.8	66.3	55.1	48.1
Price/book (x)	25.8	23.4	20.8	18.1
Net debt/Equity (%)	(15.0)	(12.9)	(8.4)	(7.2)
ROE (%)	30.3	30.6	33.9	34.6



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	22.8	55.3	138.4
Relative to country (%)	18.6	52.6	144.1
Mkt cap (USD m)	41,197		
3m avg. daily turnover (USD m)	47.8		
Free float (%)	0		
Major shareholder Delta Electronics International (Singapore) Pte Ltd (43%)			
12m high/low (THB)	119.50/47.40		
Issued shares (m)	1,247.38		

Sources: Bloomberg consensus; FSSIA estimates


Sureeporn Teewasuwet

Register no. 040694

sureeporn.t@fssia.com, +66 2646 9972

Investment thesis

We have a positive view on DELTA's products, which are widely used in applications for automotive, medical, telecommunications, IT, automation, etc. DELTA has also been aggressively growing its solution businesses in EV chargers, industrial automation, data centre infrastructure and energy management in the region. We expect 2023-24 normalised profit growth at 21% y-y and 23% y-y, respectively.

However, the current share price is overvalued, as it is trading at 80x and 65x 2023-24E P/E, respectively. Its valuation is very expensive when compared with its historical average and regional peers.

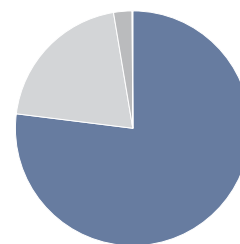
Company profile

DELTA is an electronics manufacturer and exporter of power supplies and electronic components comprising cooling fans, EMI filters, and solenoids. Key power management products consist of switching power supplies, EV chargers, DC-DC converters, and solar inverters. Its operations cover regions such as Asia, Europe, and South America. In 2022, its revenue contribution came mainly from power electronics at 77%, with infrastructure/automation/others at 20.4%/2.5%/0.1%, respectively.

www.deltathailand.com

Principal activities (revenue, 2022)

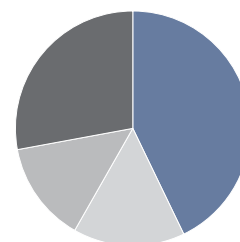
- Power electronics - 77.0 %
- Infrastructure - 20.4 %
- Automation - 2.5 %
- Others - 0.1 %



Source: Delta Electronics

Major shareholders

- Delta Electronics International (Singapore) Pte Ltd - 42.9 %
- Delta International Holding Limited - 15.4 %
- Delta Electronics Inc. - 13.9 %
- Others - 27.9 %



Source: Delta Electronics

Catalysts

Potential catalysts for DELTA's earnings growth in 2023 are 1) stronger purchase orders for data centre and EV car components; 2) a decline in raw material costs; and 3) a faster-than-expected capacity expansion.

Risks to our call

Upside risks to our P/E-based TP include 1) higher-than-expected global EV car sales; 2) lower-than-expected raw material costs; and 3) a weaker-than-expected THB against USD.

Event calendar

Date	Event
November 2023	3Q23 results announcement

Key assumptions

	2023E	2024E	2025E
Power electronics (USD m)	3,181	3,977	4,573
Infrastructure (USD m)	720	771	825
Automation (USD m)	99	109	120
Total revenue (USD m)	4,004	4,859	5,521
FX rate (USD/THB)	33.0	33.0	33.0
Gross margin (%)	24.0	24.2	24.5

Source: FSSIA estimates

Earnings sensitivity

- For every 1% increase in USD revenue, we estimate 2023 net profit to rise by 0.9%, and vice versa, all else being equal.
- For every THB1/USD increase, we estimate 2023 net profit to fall by 6.5%, and vice versa, all else being equal.
- For every 0.5% increase in GPM, we estimate 2023 net profit to rise by 3.4%, and vice versa, all else being equal.
- For every 0.2% increase in SG&A, we estimate 2023 net profit to fall by 1.8%, and vice versa, all else being equal.

Source: FSSIA estimates

Exhibit 1: DELTA – 2Q23 operations summary

	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	----- Change -----		1H22	1H23	Change
	(THB m)	(THB m)	(THB m)	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(THB m)	(y-y%)
Sales	24,623	28,004	31,324	34,606	32,294	35,840	11.0	28.0	52,627	68,135	29.5
Cost of sales	19,486	20,988	24,027	26,117	25,581	27,472	7.4	30.9	40,474	53,053	31.1
Gross profit	5,137	7,016	7,298	8,489	6,713	8,369	24.7	19.3	12,153	15,082	24.1
SG&A	2,943	3,152	3,524	3,829	3,236	3,796	17.3	20.4	6,095	7,032	15.4
Operating profit	2,194	3,864	3,774	4,661	3,477	4,573	31.5	18.3	6,059	8,050	32.9
Interest expense	3	4	0	12	25	22	(10.6)	466.6	7	48	553.9
Tax expense	39	48	65	314	121	279	131.8	478.0	87	400	358.1
Other gain (Loss)	531	346	215	(311)	155	234	50.5	(32.4)	877	389	(55.6)
Reported net profit	2,780	4,263	4,110	4,190	3,614	4,668	29.1	9.5	7,044	8,282	17.6
Core profit	2,249	3,918	3,895	4,500	3,459	4,434	28.2	13.2	6,167	7,893	28.0
Key ratios (%)							(ppt)	(ppt)	(ppt)		
Gross margin	20.9	25.1	23.3	24.5	20.8	23.4	2.6	(1.7)	23.1	22.1	(1.0)
SG&A / Sales	12.0	11.3	11.2	11.1	10.0	10.6	0.6	(0.7)	11.6	10.3	(1.3)
Operating margin	8.9	13.8	12.0	13.5	10.8	12.8	2.0	(1.0)	11.5	11.8	0.3
Net margin	11.3	15.2	13.1	12.1	11.2	13.0	1.8	(2.2)	13.4	12.2	(1.2)
Core margin	9.1	14.0	12.4	13.0	10.7	12.4	1.7	(1.6)	11.7	11.6	(0.1)
Operating statistics											
THB total revenue (THB m)	24,623	28,004	31,324	34,606	32,294	35,840	11.0	28.0	52,627	68,135	29.5
FX rate (THB/USD)	33.1	34.4	36.4	36.4	33.9	34.5	1.5	0.1	33.8	34.2	1.3
USD total revenue (USD m)	742	809	849	939	940	1,014	7.9	25.3	1,551	1,954	26.0
Revenue by segment (USD m)											
Power electronics	558	610	667	727	726	827	13.9	35.6	1,168	1,553	33.0
Infrastructure	160	177	161	188	183	158	(13.7)	(10.7)	337	341	1.2
Automation	21	21	20	23	30	29	(3.3)	38.1	42	59	40.5
Revenue by key product (USD m)											
EV power	110	131	159	205	231	271	17.4	106.5	241	502	108.2
Fan & thermal management	89	93	101	102	97	100	3.1	8.0	182	198	8.8
India business	51	55	67	80	86	90	4.2	63.6	106	176	66.7
Gross margin by key product (%)							(ppt)	(ppt)	(ppt)		
EV power	10.5	16.6	16.6	15.0	9.2	15.7	6.5	(0.9)	13.6	12.5	(1.1)
Fan & thermal management	19.5	22.5	26.7	23.0	17.5	19.3	1.8	(3.2)	21.0	18.4	(2.6)
India business	7.9	14.7	14.8	16.3	19.3	18.6	(0.7)	3.9	11.3	19.0	7.7

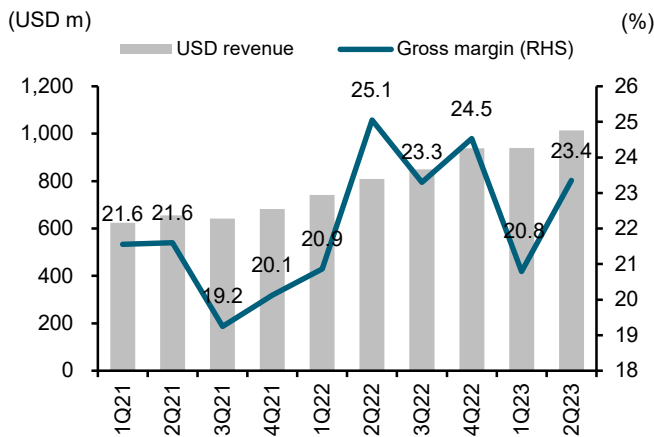
Sources: DELTA, FSSIA's compilation

Exhibit 2: Key assumptions for DELTA

Assumptions	Forecast				% Growth		
	2022A	2023E	2024E	2025E	2023E	2024E	2025E
Power electronics (USD m)	2,562	3,181	3,977	4,573	24.2	25.0	15.0
Infrastructure (USD m)	686	720	771	825	5.0	7.0	7.0
Automation (USD m)	86	99	109	120	15.0	10.0	10.0
Total revenue (USD m)	3,337	4,004	4,859	5,521	20.0	21.4	13.6
FX rate (THB/USD)	35.5	33.0	33.0	33.0	(7.1)	0.0	0.0
Total sales value (THB m)	118,558	132,122	160,359	182,184	11.4	21.4	13.6
Gross profit (THB m)	27,940	31,709	38,807	44,635	13.5	22.4	15.0
Gross margin (%)	23.6	24.0	24.2	24.5	0.4	0.2	0.3
SG&A expenses (THB m)	13,447	14,533	17,640	20,040	8.1	21.4	13.6
SG&A to sales (%)	11.3	11.0	11.0	11.0	(0.3)	0.0	0.0
Reported net profit (THB m)	15,343	17,596	21,695	25,192	14.7	23.3	16.1
Net margin (%)	12.9	13.3	13.5	13.8	0.4	0.2	0.3
Core profit (THB m)	14,563	17,596	21,695	25,192	20.8	23.3	16.1
Core margin (%)	12.3	13.3	13.5	13.8	1.0	0.2	0.3

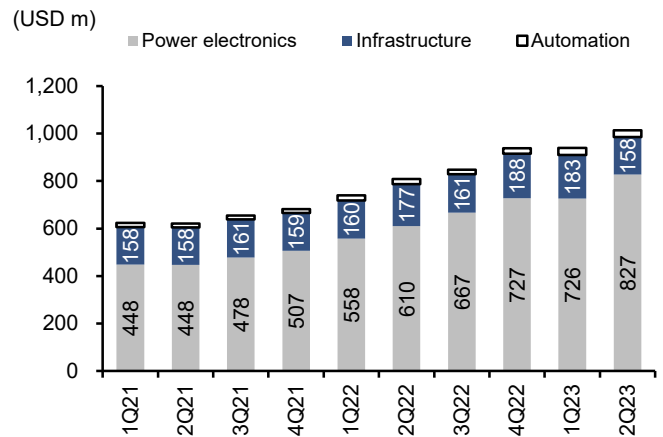
Note: Change of items in percentage terms are represented in ppt change
 Source: FSSIA estimates

Exhibit 3: Quarterly USD revenue and gross margin



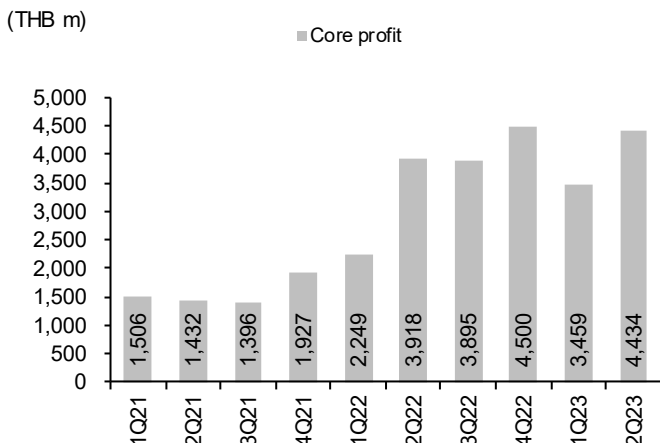
Sources: DELTA, FSSIA's compilation

Exhibit 4: Revenue breakdown by product



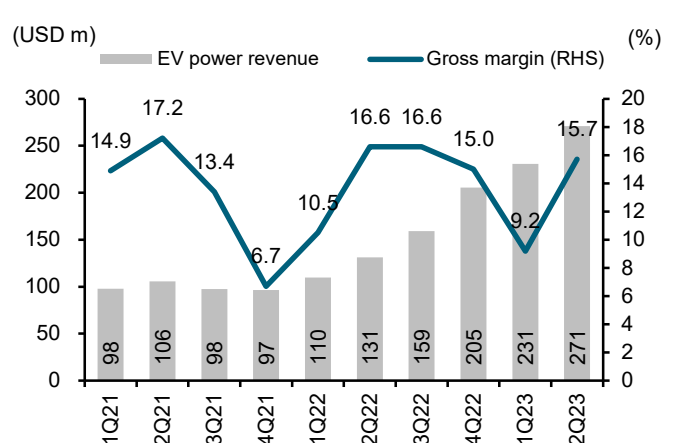
Sources: DELTA, FSSIA's compilation

Exhibit 5: Quarterly core profit



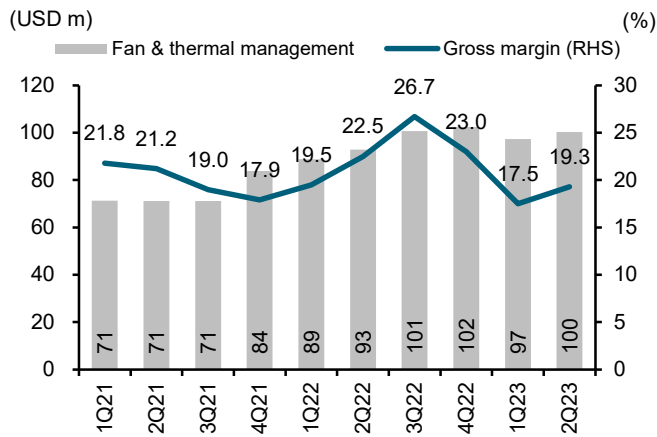
Sources: DELTA, FSSIA's compilation

Exhibit 6: EV power revenue and gross margin



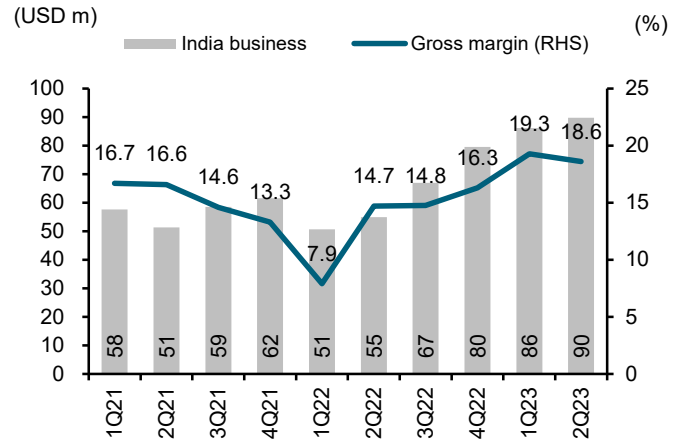
Sources: DELTA, FSSIA's compilation

Exhibit 7: Fan & thermal management revenue



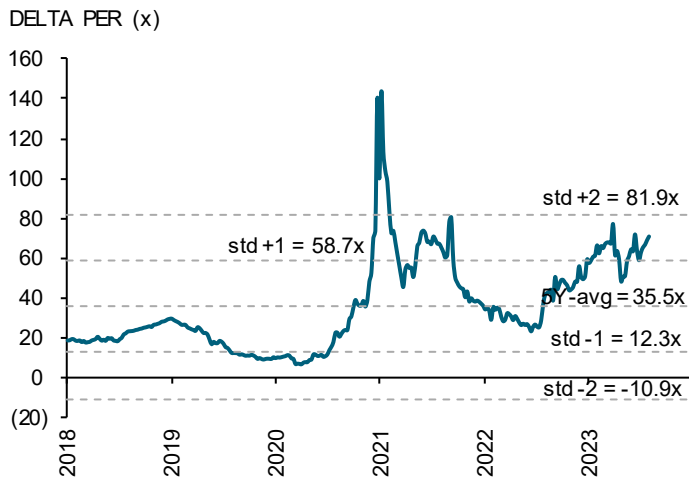
Sources: DELTA, FSSIA's compilation

Exhibit 8: Revenue from India



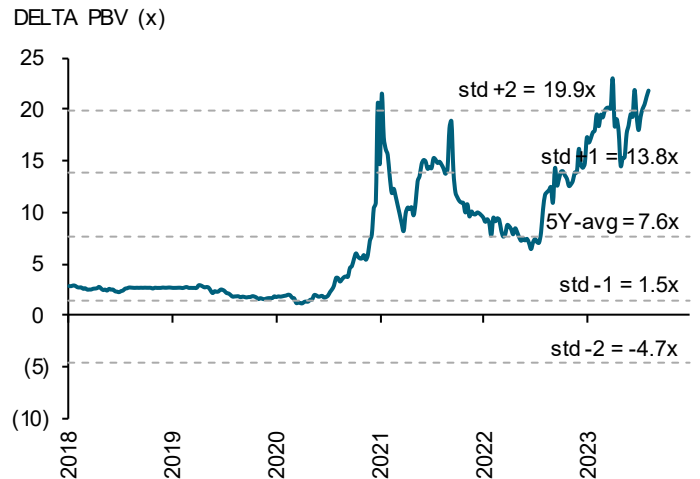
Sources: DELTA, FSSIA's compilation

Exhibit 9: Historical P/E band



Sources: Bloomberg, FSSIA's compilation

Exhibit 10: Historical P/BV band



Sources: Bloomberg, FSSIA's compilation

Financial Statements

Delta Electronics

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Revenue	84,318	118,558	132,122	160,359	182,184
Cost of goods sold	(66,960)	(90,618)	(100,413)	(121,552)	(137,549)
Gross profit	17,358	27,940	31,709	38,807	44,635
Other operating income	496	613	661	802	911
Operating costs	(11,674)	(13,502)	(14,581)	(17,681)	(20,085)
Operating EBITDA	8,688	18,240	21,154	25,467	29,175
Depreciation	(2,508)	(3,190)	(3,365)	(3,540)	(3,715)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	6,181	15,050	17,789	21,928	25,461
Net financing costs	(4)	(20)	(14)	(12)	(12)
Associates	0	0	0	0	0
Recurring non-operating income	0	0	0	0	0
Non-recurring items	624	781	0	0	0
Profit before tax	6,801	15,811	17,775	21,916	25,449
Tax	(98)	(467)	(178)	(219)	(254)
Profit after tax	6,703	15,345	17,598	21,696	25,194
Minority interests	(4)	(1)	(2)	(2)	(2)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	6,699	15,343	17,596	21,695	25,192
Non-recurring items & goodwill (net)	(624)	(781)	0	0	0
Recurring net profit	6,075	14,563	17,596	21,695	25,192
Per share (THB)					
Recurring EPS *	0.49	1.17	1.41	1.74	2.02
Reported EPS	0.54	1.23	1.41	1.74	2.02
DPS	0.17	0.40	0.85	1.04	1.21
Diluted shares (used to calculate per share data)	12,474	12,474	12,474	12,474	12,474
Growth					
Revenue (%)	33.4	40.6	11.4	21.4	13.6
Operating EBITDA (%)	(4.7)	109.9	16.0	20.4	14.6
Operating EBIT (%)	(10.5)	143.5	18.2	23.3	16.1
Recurring EPS (%)	(10.8)	139.7	20.8	23.3	16.1
Reported EPS (%)	(5.7)	129.0	14.7	23.3	16.1
Operating performance					
Gross margin inc. depreciation (%)	20.6	23.6	24.0	24.2	24.5
Gross margin exc. depreciation (%)	23.6	26.3	26.5	26.4	26.5
Operating EBITDA margin (%)	10.3	15.4	16.0	15.9	16.0
Operating EBIT margin (%)	7.3	12.7	13.5	13.7	14.0
Net margin (%)	7.2	12.3	13.3	13.5	13.8
Effective tax rate (%)	1.4	3.0	1.0	1.0	1.0
Dividend payout on recurring profit (%)	34.9	34.3	60.0	60.0	60.0
Interest cover (X)	1,534.8	771.2	1,289.1	1,797.4	2,087.0
Inventory days	91.3	93.2	98.8	94.0	96.8
Debtor days	74.9	75.0	78.9	73.0	75.2
Creditor days	108.3	109.1	108.5	94.0	91.7
Operating ROIC (%)	16.0	28.3	28.2	30.5	30.9
ROIC (%)	15.0	27.1	27.0	28.8	28.8
ROE (%)	15.4	30.3	30.6	33.9	34.6
ROA (%)	9.6	18.2	18.9	21.5	22.3
* Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Power electronics	61,369	91,252	104,989	131,237	150,922
Infrastructure	20,685	24,185	23,770	25,434	27,214
Automation	2,098	3,009	3,264	3,590	3,949
Others	166	112	99	99	99

Sources: Delta Electronics; FSSIA estimates

Financial Statements

Delta Electronics

Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Recurring net profit	6,075	14,563	17,596	21,695	25,192
Depreciation	2,508	3,190	3,365	3,540	3,715
Associates & minorities	-	-	-	-	-
Other non-cash items	-	-	0	0	0
Change in working capital	(7,651)	(5,108)	(5,939)	(8,207)	(8,987)
Cash flow from operations	931	12,644	15,022	17,027	19,919
Capex - maintenance	-	-	-	-	-
Capex - new investment	(8,367)	(7,788)	(3,500)	(3,500)	(3,500)
Net acquisitions & disposals	-	-	-	-	-
Other investments (net)	52	213	(1,102)	(839)	(1,809)
Cash flow from investing	(8,315)	(7,575)	(4,602)	(4,339)	(5,309)
Dividends paid	(4,139)	(1,855)	(10,558)	(13,017)	(15,115)
Equity finance	0	0	0	0	0
Debt finance	2,975	569	1,109	(1,092)	250
Other financing cash flows	1,237	(213)	(1,550)	(1,000)	0
Cash flow from financing	73	(1,499)	(10,999)	(15,109)	(14,865)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	(7,310)	3,571	(578)	(2,421)	(255)
Free cash flow to firm (FCFF)	(7,379.42)	5,088.89	10,433.89	12,700.37	14,621.90
Free cash flow to equity (FCFE)	(3,171.33)	5,425.24	9,979.13	10,595.70	14,860.20

Per share (THB)

FCFF per share	(0.59)	0.41	0.84	1.02	1.17
FCFE per share	(0.25)	0.43	0.80	0.85	1.19
Recurring cash flow per share	0.69	1.42	1.68	2.02	2.32

Balance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Tangible fixed assets (gross)	31,517	31,517	35,017	38,517	42,017
Less: Accumulated depreciation	(12,934)	(8,335)	(11,700)	(15,239)	(18,954)
Tangible fixed assets (net)	18,583	23,182	23,317	23,278	23,063
Intangible fixed assets (net)	693	629	794	794	795
Long-term financial assets	268	248	500	1,000	2,000
Invest. in associates & subsidiaries	-	-	-	-	-
Cash & equivalents	6,572	10,142	9,564	7,143	6,888
A/C receivable	20,593	28,132	28,958	35,147	39,931
Inventories	19,581	25,049	27,510	33,302	37,685
Other current assets	2,019	2,702	2,642	4,811	5,466
Current assets	48,764	66,025	68,675	80,403	89,969
Other assets	1,030	901	1,585	1,924	2,733
Total assets	69,338	90,984	94,871	107,399	118,559
Common equity	41,404	54,680	60,169	67,846	77,923
Minorities etc.	0	0	0	0	0
Total shareholders' equity	41,404	54,680	60,169	67,846	77,923
Long term debt	512	930	880	830	779
Other long-term liabilities	2,687	2,705	3,964	3,207	3,644
Long-term liabilities	3,198	3,635	4,844	4,038	4,423
A/C payable	22,049	30,202	27,510	33,302	33,916
Short term debt	1,669	1,011	895	609	475
Other current liabilities	1,018	1,457	1,453	1,604	1,822
Current liabilities	24,736	32,670	29,859	35,515	36,213
Total liabilities and shareholders' equity	69,338	90,984	94,871	107,399	118,559
Net working capital	19,126	24,225	30,147	38,354	47,343
Invested capital	39,700	49,184	56,344	65,350	75,934

* Includes convertibles and preferred stock which is being treated as debt

Per share (THB)

Book value per share	3.32	4.38	4.82	5.44	6.25
Tangible book value per share	3.26	4.33	4.76	5.38	6.18

Financial strength

Net debt/equity (%)	(10.6)	(15.0)	(12.9)	(8.4)	(7.2)
Net debt/total assets (%)	(6.3)	(9.0)	(8.2)	(5.3)	(4.8)
Current ratio (x)	2.0	2.0	2.3	2.3	2.5
CF interest cover (x)	1,291.1	678.1	977.7	1,156.4	1,505.9

Valuation	2021	2022	2023E	2024E	2025E
Recurring P/E (x) *	234.0	96.8	80.1	65.0	56.0
Recurring P/E @ target price (x) *	143.7	60.0	49.6	40.2	34.7
Reported P/E (x)	210.0	91.9	80.1	65.0	56.0
Dividend yield (%)	0.1	0.3	0.7	0.9	1.1
Price/book (x)	34.0	25.8	23.4	20.8	18.1
Price/tangible book (x)	35.0	26.1	23.7	21.0	18.3
EV/EBITDA (x) **	157.0	76.8	66.3	55.1	48.1
EV/EBITDA @ target price (x) **	100.0	47.4	40.9	34.1	29.7
EV/invested capital (x)	34.0	28.5	24.9	21.5	18.5

* Pre-exceptional, pre-goodwill and fully diluted ** EBITDA includes associate income and recurring non-operating income

Sources: Delta Electronics; FSSIA estimates

Public disclosures related to sustainable development evaluation of Thai listed companies

Rating regarding the sustainable development of Thai listed companies, both on the SET and MAI, are publicly available on the website of the Securities and Exchange Commission of Thailand (SEC). Currently, ratings available are 1) "**CG Score**" by the Thai Institute of Directors Association (Thai IOD); 2) "**AGM Checklist**" by the Thai Investors Association (TIA), a "**CAC certified member**" of the Thai Private Sector Collective Action Against Corruption (CAC); and 3) "**Sustainability Investment List (THSI)**" by the Stock Exchange of Thailand. The ratings are updated on an annual basis. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such ratings.

CG Score by the Thai Institute of Directors Association (Thai IOD)¹

The **CG Score** indicates corporate governance (CG) strength in the sustainable development of Thai listed companies. Annually, the Thai IOD, with support from the Stock Exchange of Thailand (SET), surveys and assesses the CG practices of companies and publishes the results on the [Thai IOD website](#) in a bid to promote and enhance the CG of Thai listed companies in order to promote compliance with international standards for better investment decisions. The results are from the perspective of a third party, not an evaluation of operations, as of the date appearing in the report, and may be changed after that date.

The **five underlying categories and weighting** used for the CG scoring in 2022 include the rights of shareholders and equitable treatment of shareholders (weight 25% combined), the role of stakeholders (25%), disclosure and transparency (15%), and board responsibilities (35%).

The CGR report rates CG in six categories: 5 for Excellent (score range 90-100), 4 for Very Good (score range 80-89), 3 for Good (Score range 70-79), 2 for Fair (score range 60-69), 1 for Pass (score range 60-69), and not rated (score below 50).

Corporate Governance Report 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 companies listed on the Stock Exchange of Thailand and the Market of Alternative Investment disclosed to the public and able to be accessed by a general public investor at [Thai IOD website](#). The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the data appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. FSSIA does not confirm nor certify the accuracy of such survey result.

AGM Checklist by the Thai Investors Association (TIA)²

The "**AGM Checklist**" quantifies the extent to which shareholders' rights and equitable treatment are incorporated into business operations and the extent to which information is sufficiently disclosed and the level of its transparency. All the considered factors form important elements of two out of five the CG components. Annually, the TIA, with support from the SEC, leads the project to evaluate the quality of Annual General Meetings of Shareholders (AGMs) and to rate quality of the meetings.

The **Checklist** contains the minimum requirements under law that companies must comply with, or best practices according to international CG guidance. Representatives of the TIA will attend the meetings and perform the evaluation. The assessment criteria cover AGM procedures before the meeting (45%), at the meeting date (45%), and after the meeting (10%). The first assesses 1) advance circulation of sufficient information for voting; and 2) facilitating of how voting rights can be exercised. The second assesses 1) the ease of attending meetings; 2) transparency and verifiability; and 3) openness for Q&A. The third involves the meeting minutes that should contain discussion issues, resolutions and voting results.

The results are classified into four categories: 5 for Excellent (score 100), 4 for Very Good (score 90-99), 3 for Fair (score 80-89), and not rated (score below 79).

CAC certified member by the Thai Private Sector Collective Action Against Corruption (CAC)³

A **CAC certified member** is a listed company whose Checklist satisfies the CAC Certification's criteria and is approved by the CAC Council. The core elements of the Checklist include corruption risk assessment, establishment of key controls, and the monitoring and developing of policies. Note that the CAC does not certify the behaviour of the employees nor whether the companies have engaged in bribery, and Certification is good for three years.

Companies deciding to become a CAC certified member **start with** by submitting a Declaration of Intent signed by the Chairman of the Board to kick off the 18-month deadline for companies to submit the CAC Checklist for Certification. The 18-month provision is for risk assessment, in place of policy and control, training of managers and employees, establishment of whistleblowing channels, and communication of policies to all stakeholders.

The checklist document will be reviewed by the CAC Certification Committee for adequate information and evidence. It is worth noting that the committee consists of nine professionals in business law, corporate governance, internal audit, financial audit and experienced representatives from certified members.

A passed Checklist will move on to the **CAC Council** for granting certification approvals. The CAC Council consists of twelve prominent individuals who are highly respected in professionalism and ethical achievements. Among them are former ministers, a former central bank governor, the former head of the Thai Listed Companies Association, Chairman of Anti-Corruption Organizations (Thailand), Chairman of Thai Institute of Directors, and reputable academic scholars.

Sustainability Investment (THSI)⁴ by the Stock Exchange of Thailand (SET)

Thailand Sustainability Investment (**THSI**) quantifies responsibility in **Environmental**, and **Social** issues, by managing business with transparency in **Governance**. The THSI serves as another choice for investors who desire to adopt a responsible investment approach, according to the SET.

Annually, the SET will announce the voluntary participation of the company candidates which pass the preemptive criteria, and whose two key crucial conditions are met, i.e. no irregular trading of the board members and executives and a free float of >150 by the number of shareholders, and combined holding must >15% of paid-up capital. Some key disqualifying criteria include a CG score of below 70%; independent directors and free float violation; executives' wrongdoing related to CG, social and environmental impacts, equity in negative territory, and earnings in the red for more than three years in the last five years. To become eligible for THSI, the candidate must pass three indicators in data declaration: **Economic** (CG, risk management, customer relation management, supply chain management, and innovation); **Environmental** (environmental management, eco-efficiency, and climate risk); **Social** (human rights, talent attraction, operational health & safety, community development, and stakeholder engagement); and the incorporation of ESG in business operations.

To be approved for THSI inclusion, verified data must be scored at a 50% minimum for each indicator, unless the company is a part of the Dow Jones Sustainability Indices⁵ (DJSI) during the assessment year. The scoring will be fairly weighted against the nature of the relevant industry and materiality.

Note that, from the **THSI list**, the SET further developed a sustainability **SETTHSI Index** in June 2018 from selected THSI companies whose 1) market capitalisation > THB5b (~USD150b); 2) free float >20%; and 3) liquidity >0.5% of paid-up capital for at least 9 out of 12 months. The SETTHSI Index is a market capitalisation-weighted index, cap 5% quarterly weight at maximum, and no cap for number of stocks.

Sources: [SEC](#); [Thai IOD](#); [Thai CAC](#); [SET](#); FSSIA's compilation

Disclaimer:

¹ Thai Institute of Directors Association ([Thai IOD](#)) was established in December 1999 and is a membership organisation that strives to promote professionalism in directorship. The Thai IOD offers directors certification and professional development courses, provides a variety of seminars, forums and networking events, and conducts research on board governance issues and practices. Membership comprises board members from companies ranging from large publicly listed companies to small private firms.

² Thai Investors Association ([TIA](#)) was established in 1983 with a mission to promote investment knowledge and to protect the investment rights of Thai investors. In 2002, the association was appointed by the Securities and Exchange Commission (SEC) to represent individual shareholders. To obtain information for evaluation, the association recruits volunteer investors to join AGMs and score the meetings. Weightings for each meeting are at a 45:45:10 ratio. They have been applied since 2017 and subject to change.

³ Thai Private Sector Collective Action against Corruption ([CAC](#)) was founded in 2010 and is 100% privately funded. It is an initiative by the Thai private sector to take part in tackling corruption problems via collective action. The CAC promotes the implementation of effective anti-corruption policies in order to create a transparent business ecosystem by developing a unique certification program for large/medium/small companies to apply for and to control corruption risk systematically and efficiently. The CAC's operations are sponsored by the US-based Center for Private Enterprise (CIPE) and the UK Prosperity Fund.

⁴ Sustainability Investment List ([THSI](#)), created by the Stock Exchange of Thailand in 2015, comprises the listed companies that conduct sustainable business operations.

⁵ Dow Jones Sustainability Indices – [Wikipedia](#) – Launched in 1999, DJSI evaluates the sustainability performance of companies based on corporate economic, environmental, and social performance.

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Sureeporn Teewasuwet FSS International Investment Advisory Securities Co., Ltd

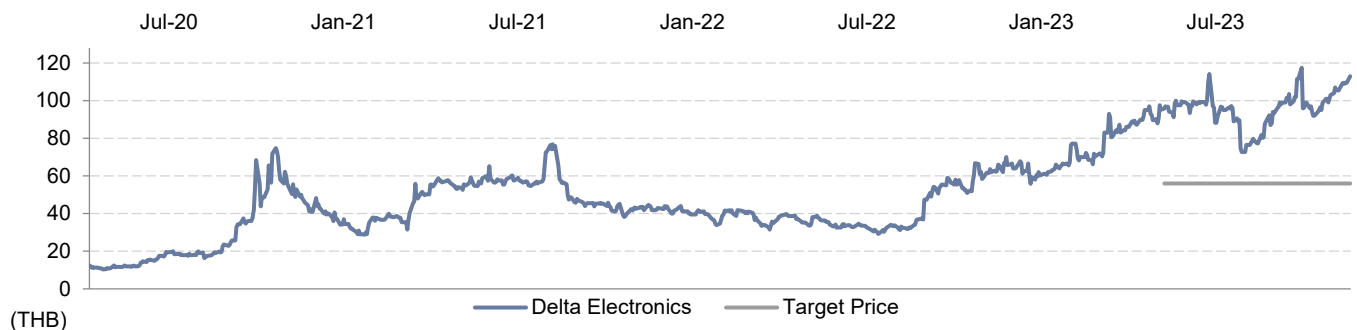
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History of change in investment rating and/or target price

Delta Electronics (DELTA TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
17-Feb-2023	REDUCE	56.00	-	-	-	-	-	-

Sureeporn Teewasuwet started covering this stock from 17-Feb-2023

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Delta Electronics	DELTA TB	THB 113.00	REDUCE	Upside risks to our P/E-based TP include 1) higher-than-expected global EV car sales; 2) lower-than-expected raw material costs; and 3) a weaker-than-expected THB against USD.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited

FSSIA may incorporate the recommendations and target prices of companies currently covered by FSS Research into equity research reports, denoted by an 'FSS' before the recommendation. FSS Research is part of Finansia Syrus Securities Public Company Limited, which is the parent company of FSSIA.

All share prices are as at market close on 31-Jul-2023 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as $(\text{target price}^* - \text{current price}) / \text{current price}$.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

Neutral. The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

Underweight. The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.