Change in Numbers

(From: Bt 16.00)

29 MAY 2025

Somboon Advance Tech. (SAT TB)

A value stock

We maintain BUY on SAT despite the challenging outlook for the auto industry. SAT remains a value stock, in our view trading at 0.6x P/BV, with net cash accounting for 46% of its book value. Due to its high cash level, we forecast high dividend yield of 9.2/8.3% in 2025-26F.

Earnings cuts but maintain BUY

Car production fell 12% y-y in 4M25 and we expect the weak economy to continue weighing on the auto industry during 2025-27F. We cut our earnings forecasts by 21-40% in 2025-27F and lower our DCF-based 12-month TP to Bt14.0 from Bt16.0. However, we maintain BUY on SAT on its valuation and dividend yield angle. We see SAT as a deep value stock trading at 0.6x P/BV, with net cash accounting for 46% of its book value. That implies price-to-adjusted BV ratio of only 0.2x. SAT is in a net cash position of Bt3.8bn and we forecast it to pay high dividend yield of 9.2/8.3/8.6% in 2025-27F.

Factoring in weak industry outlook

Thailand's auto production, including domestic sales and exports, fell 3/20% in 2023-24 and another 12% y-y in 4M25. While pace of contraction has moderated, as seen in the marginal 0.4% y-y decline in April 2025 supported by rising electric vehicle (EV) production, we expect the sector to remain under pressure due to the global slowdown driven by the new US tariff. We revise our car production forecast to -8/-9/0% in 2025-27F (from 5/8/5% growth previously). Export accounted for 67% and domestic sales made up 33% of total car production in 4M24. In 2025-27F, we forecast export growth of -10/-10/0% and domestic sales growth of -6/-6/0% due to weak economy and tight bank lending.

Earnings still falling

We forecast SAT's EPS growth at -25/-10/+3% in 2025-27F. Of its total sales, auto parts account for 75% and agricultural machinery parts at 25%. Key earnings drivers of our earnings forecasts are; 1) car production growth of -8/-9/0% and tractor production growth of 3% p.a. in 2025-27F, 2) new parts orders from new car models of Bt180m or 3% additional revenue p.a. from 2026F, 3) gross margin falling from 17.2% in 2024 to 16.1/15.8/16.2% in 2025-27F from operating leverage pressure.

A net cash and yield play

Despite SAT's weak earnings at -8/+7/-29% growth in 2022-24, SAT maintained its DPS at Bt1.50-1.60 p.a. by increasing its payout ratio from 67% in 2021 to 91% in 2024. With a high net cash position of Bt3.8bn or Bt8.9/share, and limited capex needs of Bt600m p.a. versus EBITDA of around Bt1bn even in a weak year, we believe SAT can sustain a 91% payout over the next three years. This implies DPS of Bt1.1/1.0/1.0 or attractive dividend yields of 9.2/8.3/8.6% in 2025–27F.

Small Cap Research

RATA LIMSUTHIWANPOOM

662 – 483 8297 rata.lim@thanachartsec.co.th

COMPANY VALUATION

Y/E Dec (Bt m)	2024A	2025F	2026F	2027F
Sales	7,429	6,895	6,627	6,711
Net profit	701	525	473	487
Consensus NP	_	683	714	725
Diff frm cons (%)	_	(23.0)	(33.7)	(32.8)
Norm profit	696	525	473	487
Prev. Norm profit	_	663	765	818
Chg frm prev (%)	_	(20.8)	(38.2)	(40.4)
Norm EPS (Bt)	1.6	1.2	1.1	1.1
Norm EPS grw (%)	(28.5)	(24.5)	(9.9)	3.0
Norm PE (x)	7.5	9.9	11.0	10.6
EV/EBITDA (x)	3.4	3.6	3.6	3.3
P/BV (x)	0.6	0.6	0.6	0.6
Div yield (%)	12.3	9.2	8.3	8.6
ROE (%)	8.4	6.3	5.7	5.8
Net D/E (%)	(17.3)	(19.5)	(21.1)	(22.0)

PRICE PERFORMANCE

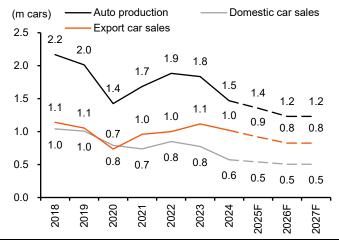


COMPANY INFORMATION

Price as of 29-May-25(Bt)	12.20
Market Cap (US\$ m)	158.3
Listed Shares (m shares)	425.2
Free Float (%)	62.9
Avg Daily Turnover (US\$ m)	0.3
12M Price H/L (Bt)	15.10/10.10
Sector	Automotive
Major Shareholder	Somboon Holding 29.9%

Sources: Bloomberg, Company data, Thanachart estimates

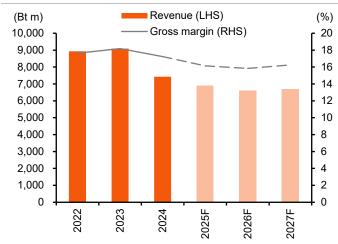




Ex 1: Industry Auto Production Forecasts

Sources: The Federation of Thai Industries, Thanachart estimates



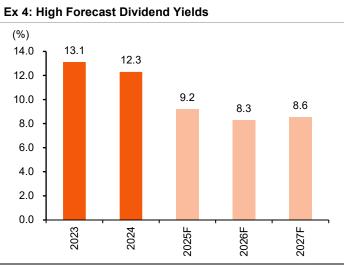


Sources: Company data, Thanachart estimates

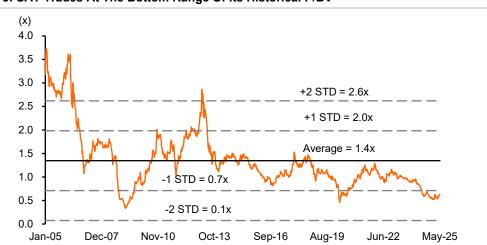
(%) Domestic car sales Export car sales 40 30 30 15 20 12 10 4 00 0 (10) (6) (10) (6) (10) (7) (9) (9) (20) (21) (30) (26) (30) (40) 2020 2023 2027F 2022 2024 2021 2026F

Ex 2: Industry Auto Sales Growth Forecasts

Sources: The Federation of Thai Industries, Thanachart estimates







Ex 5: SAT Trades At The Bottom Range Of Its Historical P/BV

Sources: Bloomberg, Thanachart estimates

Ex 6: Key Assumption Changes					
	2023	2024	2025F	2026F	2027F
Industry auto production (cars)					
- New	1,834,986	1,468,997	1,355,606	1,231,578	1,231,578
- Old			1,574,424	1,707,615	1,794,973
- Change (%)			(13.9)	(27.9)	(31.4
Total revenue (Bt m)					
- New	9,089	7,429	6,895	6,627	6,71 <i>°</i>
- Old			7,917	8,470	8,857
- Change (%)			(12.9)	(21.8)	(24.2
Average gross margin (%)					
- New	18.2	17.2	16.1	15.8	16.2
- Old			16.6	17.2	17.6
- Change (ppt)			(0.5)	(1.4)	(1.4
Normalized earnings (Bt m)					
- New	973	696	525	473	48
- Old			663	765	818
- Change (%)			(20.8)	(38.2)	(40.4

Sources: Company data, Thanachart estimates

Ex 7: 12-month DCF-based TP Calculation, Using A Base Year Of 2025F

(Bt m)		2025F	2026F	2027F	2028F	2029F	2030F	2031F	2032F	2033F	2034F	2035F	Ferminal Value
EBITDA		988	954	991	1,177	1,295	1,308	1,324	1,338	1,295	1,249	1,200	_
Free cash flow		856	434	402	464	586	442	459	476	467	436	402	3,448
PV of free cash flow		854	356	300	313	359	245	231	217	193	163	136	1,058
Risk-free rate (%)	2.5												
Market risk premium (%)	8.0												
Beta	1.0												
WACC (%)	10.3												
Terminal growth (%)	2.0												
Enterprise value - add investments	4,510												
Net debt (2024)	(1,442)												
Minority interest	(8)												
Equity value	5,959												
# of shares (m)	425												
Target price/share (Bt)	14.0												

Sources: Company data, Thanachart estimates

Valuation Comparison

Ex 8: Valuation Comparison With Regional Peers

			EPS gr	owth	—— PE		— P	/BV —	EV/EB	ITDA	— Div yi	eld —
Name	BBG Code	Country	25F	26F	25F	26F	25F	26F	25F	26F	25F	26F
			(%)	(%)	(x)	(x)	(x)	(x)	(x)	(x)	(%)	(%)
Bharat Forge	BHFC IN	India	46.1	30.5	42.9	32.9	5.8	5.1	21.6	18.1	0.7	0.8
Sundram Fasteners	SF IN	India	17.2	15.9	33.8	29.1	5.0	4.4	20.9	18.5	0.8	0.8
Mando Corp	060980 KS	S. Korea	87.4	59.3	10.2	6.4	0.4	0.3	7.9	6.7	5.2	5.4
Hyundai Mobis	012330 KS	S. Korea	7.2	6.5	5.6	5.3	0.5	0.5	3.8	3.4	2.7	2.9
Hu Lane Associate Inc	6279 TT	Taiwan	(0.2)	17.7	10.9	9.3	1.9	1.6	7.0	6.2	5.0	5.5
Tong Yang Industry	1319 TT	Taiwan	11.4	8.4	15.8	14.6	2.7	2.5	8.1	7.5	4.4	4.8
AAPICO Hitech	AH TB	Thailand	5.0	16.0	6.2	5.3	0.4	0.4	4.5	4.3	5.9	7.1
Thai Stanley Electric	STANLY TB	Thailand	19.4	9.4	9.4	8.6	0.7	0.7	2.2	2.1	7.2	7.9
Somboon Advance Tech*	SAT TB	Thailand	(24.5)	(9.9)	9.9	11.0	0.6	0.6	3.6	3.6	9.2	8.3
Average			18.8	17.1	16.1	13.6	2.0	1.8	8.8	7.8	4.6	4.8

Source: Bloomberg, Thanachart estimates

Note: * Thanachart estimates using normalized EPS growth

Based on 29 May 2025 closing prices

COMPANY DESCRIPTION

Somboon Advance Technology PcI (SAT TB) is one of the leading manufacturers and distributors of motor vehicles and it listed on the Stock Exchange of Thailand (SET) in 2005. SAT's main products are under-car parts related, i.e., axel shafts, disc and drum brakes, serving a variety of vehicles, mainly one-tonne pickups and passenger cars. Most of its customers are Japanese car makers which have factories in Thailand, namely Mitsubishi, Toyota, Honda, Isuzu, Nissan, etc. In 2013, SAT signed a long-term contract to provide agricultural machinery parts for the leading agricultural tractor producer, Kubota.

Source: Thanachart

THANACHART'S SWOT ANALYSIS

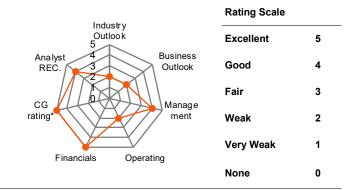
S — Strength

- Leader in under-car parts manufacturing.
- Customer diversification.
- Product diversification.
- Limited EV threat to its products.

O — Opportunity

- Highly exposed to a turnaround in Thailand's automotive industry.
- Growing smart farming trend.

COMPANY RATING



Source: Thanachart; *CG Rating

W — Weakness

- Car export growth outlook isn't strong in the long-term.
- Still highly focused on Japanese car makers and limited exposure to non-Japanese car markets.

T — Threat

- Competition from new regional car production sites.
- Long-term EV trend should make SAT adjust production process of some of its products, e.g. to be lighter weight.
- If separate motors are used for each wheel in EV cars, SAT's axle shaft products would be at risk.

CONSENSUS COMPARISON

	Consensus	Thanachart	Diff
Target price (Bt)	13.60	14.00	3%
Net profit 25F (Bt m)	683	525	-23%
Net profit 26F (Bt m)	714	473	-34%
Consensus REC	BUY: 5	HOLD: 6	SELL: 0

HOW ARE WE DIFFERENT FROM THE STREET?

Our 2025-26F net profits are well below the Bloomberg consensus estimates, likely as we are more conservative about an auto production recovery. Our DCF-based TP is, however, near the Street's, as we expect auto production to recover over the longer term.

Sources: Bloomberg consensus, Thanachart estimates

RISKS TO OUR INVESTMENT CASE

- Weaker-than-expected auto demand from the domestic and export markets is the primary downside risk to our earnings forecasts.
- Natural disasters could lead to industry distortions, representing a secondary downside risk to our earnings projections.
- Severe drought could hit demand for tractors.

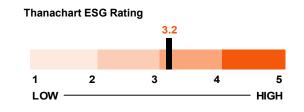
Source: Thanachart

Somboon Advance Technology Pcl.

Sector: Industrials | Automotive

ESG & Sustainability Report

SAT is Thailand's leading auto-parts manufacturer. Its key products include axel shafts, brake drums, front hubs, and agricultural parts while its key raw material is steel. We assign SAT a decent ESG score of 3.2 to reflect strong commitment to environmental goals, employee development, product quality and sound board structure.



							S&P		
	SET ESG	SET ESG	DJSI	MSCI	ESG Book	Refinitiv	Global	Moody's	CG Rating
	Index	(BBB-AAA)	Index	(CCC-AAA)	(0-100)	(0-100)	(0-100)	(0-100)	(0-5)
SAT	YES	AA	-	-	-	54.52	38.00	-	5.0

Sources: SETTRADE, SET ESG Index, SET ESG Rating, The Dow Jones Industrial Average (DJSI), MSCI ESG Research LLC, ESG Book, Refinitiv ESG Information, S&P Global Market Intelligence, Moody's ESG Solutions, Thai IOD (CG rating) Note: Please see third party on "terms of use" toward the back of this report.

Factors	Our Comments
ENVIRONMENT	 We assign a decent E score of 3.2 to SAT to reflect its strong commitment to reduce emission.
 Environmental Policies & Guidelines Energy Management Carbon Management Water Management Waste Management 	 The company targets a 30% reduction in Scope 1 and 2 emissions by 2030 (from a 2018 baseline) and is currently reviewing its pathway to a net-zero goal. In 2024, SAT generated 83,296 tonnes of CO2 in Scope 1-3. Scope 1 and 2 emissions were down 35% in 2024, well ahead of its 14% reduction target. Electricity consumption intensity also improved, declining 5% versus a 4.5% goal. However, the company fell short in other environmental areas: water usage intensity declined 20% (vs. a 25% target), and hazardous waste intensity increased 37% y-y, against a goal of a 3% reduction.
 SOCIAL Human Rights Staff Management Health & Safety Product Safety & Quality Social Responsibility 	 We assign a decent S score of 3.4 to reflect its commitments to product quality, operation and employee welfare. SAT emphasizes employee development and workplace safety. In 2024, average training rose to 16 hours/person (exceeding 12 hours target), while its Employee Injury Frequency Rate was only 0.22%. However, women made up just 15% of the workforce. On product quality and safety, SAT received multiple customer awards in 2024, including recognitions from Kubota, Mitsubishi Motors, Isuzu, and Honda. SAT also demonstrates community engagement such as education programs, with related funding amounting to 0.7% of net profit in 2024.
GOVERNANCE & SUSTAINABILITY - Board - Ethics & Transparency - Business Sustainability - Risk Management - Innovation	 We assign a G score of 3.0 to reflect its decent board structure. Area of improvement is its low diversification of customer base. The board chair is independent. Six of the ten directors (60%) are independent which is close to the ideal two-thirds ratio. Directors possess a broad range of skills. However, board members are clustered in age (60-75) and only one director is female (10%). SAT has all necessary committees, including audit, remuneration, and risk and sustainability committees. SAT is highly exposed to Japanese auto maker clients, who are increasingly under pressure from the rise of Chinese EV makers.

Sources: Company data, Thanachart

INCOME STATEMENT FY ending Dec (Bt m) 2023A 2024A 2025F 2026F 2027F Sales 9,089 7,429 6,895 6,627 6,711 7,436 Cost of sales 6,148 5,782 5,578 5,621 **Gross profit** 1,653 1,281 1,112 1,049 1,090 % gross margin 18.2% 17.2% 16.1% 15.8% 16.2% Selling & administration expenses 686 681 650 635 653 **Operating profit** 967 600 462 414 438 10.6% 8.1% 6.7% 6.2% 6.5% % operating margin Depreciation & amortization 504 514 530 551 571 EBITDA 992 1,471 1,114 964 1,009 % EBITDA margin 16.2% 15.0% 14.4% 14.6% 15.0% Non-operating income 106 138 90 86 87 Non-operating expenses 0 0 0 0 0 Interest expense (2)(3)(2)(3)(5)497 Pre-tax profit 1,072 735 550 520 82 79 88 Income tax 167 110 After-tax profit 905 625 467 417 432 10.0% 8.4% 6.8% 6.3% 6.4% % net margin Shares in affiliates' Earnings 56 60 58 56 56 Minority interests 12 11 0 0 0 6 5 0 0 Extraordinary items 0 NET PROFIT 979 701 525 473 487 Normalized profit 973 696 525 473 487 EPS (Bt) 2.3 1.6 1.2 1.1 1.1 Normalized EPS (Bt) 2.3 1.6 1.2 1.1 1.1 **BALANCE SHEET** 2023A 2024A 2025F 2026F 2027F FY ending Dec (Bt m) ASSETS: Current assets: 5,698 5,485 5,372 5.409 5,541 Cash & cash equivalent 2,923 1,461 1,627 1,807 1,897 Account receivables 1,562 1,345 1,248 1,200 1,215 Inventories 822 678 683 747 703 Others 391 1,932 1,794 1,724 1,746 Investments & loans 1.170 1.132 1.132 1.132 1.132 Net fixed assets 3,256 3,130 3,104 3,063 3,010 Other assets 277 310 319 332 353 **Total assets** 10,401 10,057 9,927 9,937 10,036 LIABILITIES: Current liabilities: 1,769 1,348 1,281 1,269 1,303 Account payables 1.085 826 777 750 755 Bank overdraft & ST loans 0 19 11 50 60 Current LT debt 0 0 0 0 0 Others current liabilities 684 503 492 469 488 Total LT debt 0 0 0 0 0 352 367 Others LT liabilities 339 380 349 2,108 1,621 1,671 **Total liabilities** 1,728 1,630 Minority interest 3 (8) (8) (8) (8)Preferreds shares 0 0 0 0 0 Paid-up capital 425 425 425 425 425 Share premium 716 716 716 716 716 0 Warrants 0 0 0 0 22 18 18 Surplus 18 18

7,126

8,290

10.401

7,177

8,337

10,057

7,163

8,323

9.937

7,214

8,373

10,036

7,145

8,304

9,927

Sources: Company data, Thanachart estimates

Retained earnings

Shareholders' equity

Liabilities & equity

We estimate 2025-27F EPS growth of -25/-10/+3%

SAT turned net cash after the sale of its industrial spring business

CASH FLOW STATEMENT 2024A 2027F FY ending Dec (Bt m) 2023A 2025F 2026F Earnings before tax 1,072 735 550 497 520 Tax paid (172)(133)(82)(84)(87) 530 551 571 504 514 Depreciation & amortization 10 33 92 46 (15) Chg In working capital 371 106 Chg In other CA & CL / minorities (1,637)185 50 1,784 (489) 1,275 1,116 1,040 Cash flow from operations (546) (388)(500)(500)(500)Capex Right of use 0 0 (35) (35)(35) 50 0 ST loans & investments 0 0 0 (115)38 0 0 0 LT loans & investments 0 0 0 0 Adj for asset revaluation 0 (18) 6 (8) 14 12 Chg In other assets & liabilities (629) (344) (543) (521) (523) Cash flow from investments Debt financing 6 24 (7) 39 10 Capital increase 0 0 0 0 0 (637) (629) (558) (437) (454) Dividends paid (25)0 0 0 Warrants & other surplus (2)(634) (630) (565) (415) (427) Cash flow from financing 1,238 (876) 775 616 540 Free cash flow

VALUATION 2023A 2024A 2025F 2026F 2027F FY ending Dec Normalized PE(x)5.3 7.5 9.9 11.0 10.6 Normalized PE - at target price (x) 6.1 8.6 11.3 12.6 12.2 PE(x) 5.3 7.4 9.9 11.0 10.6 12.2 PE - at target price (x) 6.1 8.5 11.3 12.6 3.3 EV/EBITDA (x) 1.5 3.4 3.6 3.6 EV/EBITDA - at target price (x) 2.1 4.1 4.4 4.4 4.1 P/BV (x) 0.6 0.6 0.6 0.6 0.6 0.7 0.7 P/BV - at target price (x) 0.7 0.7 0.7 4.1 P/CFO(x) 2.9 (10.6)4.6 5.0 0.8 0.8 0.8 Price/sales (x) 0.6 0.7 Dividend yield (%) 13.1 12.3 9.2 8.3 8.6 23.9 14.9 11.9 10.4 FCF Yield (%) (16.9)(Bt) Normalized EPS 2.3 1.6 1.2 1.1 11 EPS 2.3 1.6 1.2 1.1 1.1 DPS 1.6 1.5 1.1 1.0 1.0 BV/share 19.5 19.6 19.5 19.6 19.7 CFO/share 4.2 3.0 2.6 2.4 (1.1)FCF/share 2.9 (2.1)1.8 1.4 1.3

Sources: Company data, Thanachart estimates

SAT offers dividend yields of 9.2/8.3/8.6% in 2025-27F

Inexpensive, in our view, trading at 0.6x 2025F P/BV SAT has a strong balance sheet with a net-cash

position

FINANCIAL RATIOS					
FY ending Dec	2023A	2024A	2025F	2026F	2027F
Growth Rate					
Sales (%)	1.8	(18.3)	(7.2)	(3.9)	1.3
Net profit (%)	4.1	(28.4)	(25.0)	(9.9)	3.0
EPS (%)	4.1	(28.4)	(25.0)	(9.9)	3.0
Normalized profit (%)	7.2	(28.5)	(24.5)	(9.9)	3.0
Normalized EPS (%)	7.2	(28.5)	(24.5)	(9.9)	3.0
Dividend payout ratio (%)	69.5	91.0	91.0	91.0	91.0
Operating performance					
Gross margin (%)	18.2	17.2	16.1	15.8	16.2
Operating margin (%)	10.6	8.1	6.7	6.2	6.5
EBITDA margin (%)	16.2	15.0	14.4	14.6	15.0
Net margin (%)	10.0	8.4	6.8	6.3	6.4
D/E (incl. minor) (x)	0.0	0.0	0.0	0.0	0.0
Net D/E (incl. minor) (x)	(0.4)	(0.2)	(0.2)	(0.2)	(0.2)
Interest coverage - EBIT (x)	na	217.9	234.3	143.1	92.1
Interest coverage - EBITDA (x)	na	404.4	na	333.7	212.2
ROA - using norm profit (%)	9.4	6.8	5.3	4.8	4.9
ROE - using norm profit (%)	12.0	8.4	6.3	5.7	5.8
DuPont					
ROE - using after tax profit (%)	11.1	7.5	5.6	5.0	5.2
- asset turnover (x)	0.9	0.7	0.7	0.7	0.7
- operating margin (%)	11.8	9.9	8.0	7.5	7.8
- leverage (x)	1.3	1.2	1.2	1.2	1.2
- interest burden (%)	99.9	99.6	99.6	99.4	99.1
- tax burden (%)	84.4	85.0	85.0	84.0	83.0
WACC (%)	10.3	10.3	10.3	10.3	10.3
ROIC (%)	14.7	9.5	5.7	5.2	5.5
NOPAT (Bt m)	816	510	393	348	363
invested capital (Bt m)	5,367	6,895	6,689	6,567	6,537

Sources: Company data, Thanachart estimates

ESG Information - Third Party Terms

ww.Settrade.com

SETTRADE: You acknowledge that the use of data, information or service displayed and/or contained in this website may require third party's data, content or software which is subject to the terms of third party provider. By accessing and/or using of such certain data, you acknowledge and agree to comply with and be bound by the applicable third party terms specified below

ESG Scores by Third Party data from www.SETTRADE.com 1. MSCI (CCC- AAA)

- 2. ESG Book (0-100)

3. Refinitiv (0-100)

- 4. S&P Global (0-100) 5. Moody's ESG Solutions (0-100)
- 6. SET ESG Rating (BBB-AAA)

SETESG Index (SETESG)

The SETESG Index reflects the price movement of stock of companies that have sustainable business practices which consider environmental, social and governance (ESG) aspect.

SET Index, SET50 Index, SET100 Index and all indices calculated by the Stock Exchange of Thailand ("SET") (collectively called "SET Index Series") are the registered trademarks/service marks solely owned by, and proprietary to SET. Any unauthorized use of SET Index Series is strictly prohibited. All information provided is for information purposes only and no warranty is made as to its fitness for purpose, satisfactory quality or otherwise. Every effort has been made to ensure that all information given is accurate, but no responsibility or liability (including in negligence) can be accepted by SET for errors or omissions or for any losses arising from the use of this information.

SET ESG Index (SET ESG)

Currently, long-term investment guidelines abroad are beginning to focus on investing in companies that have sustainable business practices. which considers environmental, social and governance factors (Environmental, Social and Governance or ESG) of the company in making investment decisions along with analyzing the company's financial data.

Stock Exchange Has prepared the results of evaluating sustainable stocks which are stocks of listed companies (SETESG Rating) as an alternative for investors who want to invest in stocks of listed companies that are outstanding in ESG, including to support listed companies with operations. sustainable business Taking into account all stakeholders in both social and environmental aspects. There is a management process to create sustainability for the organization, such as risk management. Supply chain management and innovation development. Therefore, the SETESG index was created to be an index that reflects the price movement of a group of securities. of companies with sustainable business operations that meet the required size and liquidity criteria

ESG Book's Disclaimer

ESG Book's Disclaimer Arabesque S-Ray GmbH, also trading as "ESG Book", is a limited liability company (Gesellschaft mit beschränkter Haftung) incorporated in Frankfurt am Main and organised under the laws of Germany with registered number HRB 113087 in the commercial register of the local court with its seat and business address at Zeppelinallee 15, 60325 Frankfurt am Main, Germany (hereinafter "ESG Book"). ESG Book, with its UK branch and local subsidiaries, is a provider of sustainability data and advisory services and operates the sustainability data platform ESG Book. ESG Book does not offer any regulated financial services nor products. This document is provided on a confidential basis by ESG Book and is for information purposes only; accordingly, it is not a solicitation or an offer to buy any security or instrument or to participate in any trading activities nor should it be construed as a recommendation or advice on the merits of investing in any financial product. THIRD PARTY INFORMATION. Certain information contained in this document has been obtained from sources outside ESG Book. While such information is believed to be reliable for the purposes used herein, no representations are made as to the accuracy or completeness thereof and neither ESG Book nor its affiliates take any responsibility for such information. To the extent this document contains any links to third party websites, such links are provided as a convenience and for informational purposes only; they do not constitute an endorsement or an approval by ESG Book of any of the products, services or opinions of the corporations or organization or individual operating such third party websites. ESG Book bears no responsibility for the accuracy, legality or content of the external site or for that of subsequent links. RELIANCE – ESG Book makes no representation or warranty, express or implied, as to the accuracy or completeness of the information contained herein, and accepts no liability for any loss, of whatever kind, howsoever

MSCI ESG Research LLC

MSCI ESG Research LLC "Certain information @2021 MSCI ESG Research LLC. Reproduced by permission" "Although [User ENTITY NAME's] information providers, including without limitation, MSCI ESG Research LLC and its affiliates (the "ESG Parties"), obtain information (the "Information") from sources they consider reliable, none of the ESG Parties warrants or guarantees the originality, accuracy and/or completeness, of any data herein and expressly disclaim all express or implied warranties, including those of merchantability and fitness for a particular purpose. The Information may only be used for your internal use, may not be reproduced or redisseminated in any form and may not be used as a basis for, or a component of, any financial instruments or products or indices. Further, non of the Information in and of itself be used to determine which securities to buy or sell or when to buy or sell them. None of the ESG Parties shall have any liability for any errors or omissions in connection with any data herein, or any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages."

Score range	Description
CCC - B	LAGGARD: A company lagging its industry based on its high exposure and failure to manage significant ESG risks
BB - BBB - A	AVERAGE : A company with a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers
AA - AAA	LEADER: A company leading its industry in managing the most significant ESG risks and opportunities

The Dow Jones Sustainability Indices (DJSI) The Dow Jones Sustainability Indices (DJSI) are a family of best-in-class benchmarks for investors who have recognized that sustainable business practices are critical to generating long-term shareholder value and who wish to reflect their sustainability convictions in their investment portfolios. The family was launched in 1999 as the first global sustainability benchmark and tracks the stock performance of the world's leading companies in terms of economic, environmental and social criteria. Created jointly by S&P Dow Jones Indices and SAM, the DJSI combine the experience of an established index provider with the expertise of a specialist in Sustainable Investing to select the most sustainable companies from across 61 industries. The indices serve as benchmarks for investors who integrate sustainability considerations into their portfolios, and provide an effective engagement platform for investors who wish to encourage companies to improve their corporate sustainability practices.

S&P Global Market Intelligence

S&P Global Market Intelligence Copyright © 2021, S&P Global Market Intelligence (and its affiliates as applicable). Reproduction of any information, opinions, views, data or material, including ratings ("Content") in any form is prohibited except with the prior written permission of the relevant party. Such party, its affiliates and suppliers ("Content Providers") do not guarantee the accuracy, adequacy, completeness, timeliness or availability of any Content and are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such Content. In no event shall Content Providers be liable for any damages, costs, expenses, legal fees, or losses (including lost income or lost profit and opportunity costs) in connection with any use of the Content. A reference to a particular investment or security, a rating or any observation concerning an investment that is part of the Content is not a recommendation to buy, sell or hold such investment or security, does not address the suitability of an investment or security and should not be relied on as investment advice. Credit ratings are statements of opinions and are not statements of fact.

ESG risk combines the concepts of management and exposure to arrive at an absolute assessment of ESG risk. We identify five categories of ESG risk severity that could impact a company's enterprise value

Moody's ESG Solutions © 2022 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved. CREDIT RATINGS ISSUED BY MOODY'S CREDIT RATINGS AFFILIATES ARE THEIR CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND MATERIALS, PRODUCTS, SERVICES AND INFORMATION PUBLISHED BY MOODY'S (COLLECTIVELY, "PUBLICATIONS") MAY INCLUDE SUCH CURRENT OPINIONS. MOODY'S DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT OR IMPAIRMENT. SEE APPLICABLE MOODY'S RATING SYMBOLS AND DEFINITIONS PUBLICATION FOR INFORMATION ON THE TYPES OF CONTRACTUAL FINANCIAL OBLIGATIONS ADDRESSED BY MOODY'S CREDIT RATINGS, CREDIT RATINGS, NON-CREDIT ASSESSMENTS ("ASSESSMENTS"), AND OTHER OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S PUBLICATIONS MAY ALSO INCLUDE QUANTITATIVE MODEL-BASED ESTIMATES OF CREDIT RISK AND RELATED OPINIONS OF COMMENTARY PUBLISHED BY MOODY'S ANALYTICS, INC. AND/OR ITS AFFILIATES. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITES. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS OF NOT CONSTITUTE OR NOT COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MOODY'S ISSUES ITS CREDIT RATINGS, OPINIONS AND PUBLICATIONS DO NOT COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MOODY'S ISSUES ITS CREDIT RATINGS,

ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER, BY ANY PERSON WITHOUT

MOODY'S PRIOR WRITTEN CONSENT. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS ARE NOT INTENDED FOR USE BY ANY PERSON AS A BENCHMARK AS THAT TERM IS DEFINED FOR REGULATORY PURPOSES AND MUST NOT BE USED IN ANY WAY THAT COULD RESULT IN THEM BEING CONSIDERED A BENCHMARK.

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the rating process or in preparing its Publications. To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability to any person or entity for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such

special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers is advised in advance of the possibility of such losses or damages, including but not limited to: (a) any loss of present or prospective profits or (b) any loss or damage arising where the relevant financial instrument is not the subject of a particular credit rating assigned by MOODY'S. To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability for any direct or compensatory losses or damages caused to any person or entity, including but not limited to by any negligence (but excluding fraud, willful misconduct or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors and suppliers, efficiency, employees, agents, representatives, licensors or any of its directors, officers, employees, agents, representatives, licensors or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers, arising from or in connection with the information contained herein or the use of or inability to use any such information. NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY CREDIT RATING, ASSESSMENT, OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER. Moody's Corporation ("MCOC)" hereby discloses that most issuers of deth securities (includi

NO WARKANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY CREDIT RATING, ASSESSMENT, OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER. Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCC"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any credit ratings opinions and services rendered by it fees ranging from \$1,000 to approximately \$5,000,000. MCO and Moody's Investors Service also maintain policies and procedures to address the independence of Moody's Investors Service and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at www.moodys.com under the heading "Investor Relations — Corporate Governance — Director and Shareholder Affiliation Policy." Additional terms for Australia only: Any publication into Australia of this document is pursuant to the Australian Financial Services License of MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657 AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 333569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of the size roading that is available to retail investors. Additional terms for Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of MMKA. MSFJ is not a Nationally ensure that is not a NRSRO. Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings and and the

distributed to or used by persons who are not professional investors. MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any credit rating, agreed to pay to MJKK or MSFJ (as applicable) for credit ratings opinions and services rendered by ti fees ranging from JPY125,000 to approximately JPY550,000,000. MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.

Refinitiv ESG

These Terms of Use govern your access or use of the ESG information and materials on the Refinitiv website and any AI powered voice assistance software ("Refinitiv ESG Information"). 2020© Refinitiv. All rights reserved. Refinitiv ESG Information is proprietary to Refinitiv Limited and/or its affiliates ("Refinitiv")

The Refinitiv ESG Information is for general informational and non-commercial purposes only. Reproduction, redistribution or any other form of copying or transmission of the Refinitiv ESG Information is for general information law including, without limitation, warranties or other terms as to suitability, merchantability, satisfactory quality and fitness for a particular purpose, are excluded to the maximum extent permitted by applicable laws. The Refinitiv ESG Information is provided "as is" and Refinitiv makes no express or implied warranties, representations or guarantees concerning the accuracy, completeness or currency of the information in this service or the underlying Third Party Sources (as defined below). You assume sole responsibility and entire risk as to the suitability and results obtained from your use of the Refinitiv ESG Information.

The Refinitiv ESG Information does not amount to financial, legal or other professional advice, nor does it constitute: (a) an offer to purchase shares in the funds referred to; or (b) a recommendation relating to the sale and purchase of instruments; or (c) a recommendation to take any particular legal, compliance and/or risk management decision. Investors should

The Refinitiv ESG Information will not be used to construct or calculate and index or a benchmark, used to create any derivative works or used for commercial purposes. Refinitiv's disclaimer in respect of Benchmark Regulations applies to the Refinitiv ESG Information. No responsibility or liability is accepted by Refinitiv its affiliates, officers, employees or agents (whether for negligence or otherwise) in respect of the Refinitiv ESG Information, or for any inaccuracies, omissions, mistakes, delays or errors in the computation and compilation of the Refinitiv ESG Information (and Refinitiv shall not be obliged to advise any person of any error therein). For the avoidance of doubt, in no event will Refinitiv have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) relative SC Information. relating to any use of the Refinitiv ESG Information. You agree to indemnify, defend and hold harmless Refinitiv from and against any claims, losses, damages, liabilities, costs and expenses, including, without limitation, reasonable legal

and experts' fees and costs, as incurred, arising in any manner out of your use of, or inability to use, any Information contained on the Refinitiv web site or obtained via any AI powered voice assistance software.

You represent to us that you are lawfully able to enter into these Terms of Use. If you are accepting these Terms of Use for and on behalf of an entity such as the company you work for, you represent to us that you have legal authority to bind that entity.

By accepting these Terms of Use you are also expressly agreeing to the following Refinitiv's website Terms of Use. Refinitiv ESG scores are derived from third party publicly available sources ("Third Party Sources") and are formulated on the basis of Refinitiv own transparent and objectively applied methodology. Refinitiv's ESG Information methodology can be accessed here.

Score range	Description	
0 to 25	First Quartile	Scores within this range indicates poor relative ESG performance and insufficient degree of transparency in reporting material ESG data publicly.
> 25 to 50	Second Quartile	Scores within this range indicates satisfactory relative ESG performance and moderate degree of transparency in reporting material ESG data publicly.
> 50 to 75	Third Quartile	Scores within this range indicates good relative ESG performance and above average degree of transparency in reporting material ESG data publicly.
> 75 to 100	Fourth Quartile	Score within this range indicates excellent relative ESG performance and high degree of transparency in reporting material ESG data publicly.

CG Report : by Thai Institute of Directors Association (Thai IOD), Established in December 1999, the Thai IOD is a membership organization 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.

90-100		Execellent
80-89		Very Good
70-79		Good
60-69		Satisfactory
50-59		Pass
Below	A	N/A

General Disclaimers And Disclosures:

This report is prepared and issued by Thanachart Securities Public Company Limited (TNS) as a resource only for clients of TNS, Thanachart Capital Public Company Limited (TCAP) and its group companies. Copyright © Thanachart Securities Public Company Limited. All rights reserved. The report may not be reproduced in whole or in part or delivered to other persons without our written consent.

This report is prepared by analysts who are employed by the research department of TNS. While the information is from sources believed to be reliable, neither the information nor the forecasts shall be taken as a representation or warranty for which TNS or TCAP or its group companies or any of their employees incur any responsibility. This report is provided to you for informational purposes only and it is not, and is not to be construed as, an offer or an invitation to make an offer to sell or buy any securities. Neither TNS, TCAP nor its group companies accept any liability whatsoever for any direct or consequential loss arising from any use of this report or its contents.

The information and opinions contained herein have been compiled or arrived at from sources believed reliable. However, TNS, TCAP and its group companies make no representation or warranty, express or implied, as to their accuracy or completeness. Expressions of opinion herein are subject to change without notice. The use of any information, forecasts and opinions contained in this report shall be at the sole discretion and risk of the user.

TNS, TCAP and its group companies perform and seek to perform business with companies covered in this report. TNS, TCAP, its group companies, their employees and directors may have positions and financial interest in securities mentioned in this report. TNS, TCAP or its group companies may from time to time perform investment banking or other services for, or solicit investment banking or other business from, any entity mentioned in this report. Therefore, investors should be aware of conflict of interest that may affect the objectivity of this report.

Note: Thanachart Securities Public Company Limited act as a Market Maker and Derivative Warrants Issuer. At present, TNS has issued Derivative Warrants underlying securities before making investment decisions.

Note: Thanachart Capital Pcl (TCAP) holds an 89.97% of Thanachart Securities (TNS). TCAP holds a 100% of Thanachart SPV1 Co. Ltd. TCAP and Thanachart SPV1 combinedly hold a 60% stake in THANI.

Note: Thanachart Capital Public Company Limited (TCAP), TMBThanachart Bank Public Company Limited (TTB), are related companies to Thanachart Securities Public Company Limited (TNS). Thanachart Securities PcI is a subsidiary of Thanachart Capital PcI (TCAP) which holds 24.42% of the shareholding in TMBThanachart Bank PcI.

Note: Thanachart Capital Public Company Limited (TCAP), Ratchthani Leasing Public Company Limited (THANI), MBK PUBLIC COMPANY LIMITED (MBK) and PATUM RICE MILL AND GRANARY PUBLIC COMPANY LIMITED (PRG) are related companies to Thanachart Securities Public Company Limited (TNS). Since TNS covers those securities in research report, consequently TNS incurs conflicts of interest.

Note: Thanachart Securities Public Company Limited (TNS) acts as an underwriter of "Debentures of MUANGTHAI CAPITAL PUBLIC COMPANY LIMITED No. 3/2025 (B.E. 2568) tranche 1-3 which its maturity at 2029, 2030, 2032 (B.E. 2572, 2573, 2575)", therefore investors need to be aware that there could be conflicts of interest in this research.

Note: Thanachart Securities Public Company Limited (TNS) acts as an underwriter of "Debentures of BANPU PUBLIC COMPANY LIMITED No. 1/2025 (B.E. 2568) tranche 1-3 which its maturity at 2030, 2032, 2035 (B.E. 2573, 2575, 2578)", therefore investors need to be aware that there could be conflicts of interest in this research.

Disclosure of Interest of Thanachart Securities

Investment Banking Relationship

Within the preceding 12 months, Thanachart Securities has lead-managed public offerings and/or secondary offerings (excluding straight bonds) of the securities of the following companies:

Recommendation Structure:

Recommendations are based on absolute upside or downside, which is the difference between the target price and the current market price. If the upside is 10% or more, the recommendation is BUY. If the downside is 10% or more, the recommendation is SELL. For stocks where the upside or downside is less than 10%, the recommendation is HOLD. 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 the market price and the formal recommendation.

For sectors, an "Overweight" sector weighting is used when we have BUYs on majority of the stocks under our coverage by market cap. "Underweight" is used when we have SELLs on majority of the stocks we cover by market cap. "Neutral" is used when there are relatively equal weightings of BUYs and SELLs.

Thanachart Securities Pcl.

Research Team 18 Floor, MBK Tower 444 Phayathai Road, Pathumwan Road, Bangkok 10330 Tel: 662 - 779-9119 Email: thanachart.res@thanachartsec.co.th

Pimpaka Nichgaroon, CFA Head of Research, Strategy pimpaka.nic@thanachartsec.co.th

Nuttapop Prasitsuksant Telecom, Utilities nuttapop.pra@thanachartsec.co.th

Rata Limsuthiwanpoom Auto, Industrial Estate, Media, Prop. Fund rata.lim@thanachartsec.co.th

Siriporn Arunothai Small Cap, Healthcare, Hotel siriporn.aru@thanachartsec.co.th

Sittichet Rungrassameephat Analyst, Retail Market Strategy sittichet.run@thanachartsec.co.th Adisak Phupiphathirungul, CFA Retail Market Strategy adisak.phu@thanachartsec.co.th

Pattadol Bunnak Electronics, Food & Beverage, Shipping pattadol.bun@thanachartsec.co.th

Saksid Phadthananarak Construction, Transportation saksid.pha@thanachartsec.co.th

Yupapan Polpornprasert Energy, Petrochemical yupapan.pol@thanachartsec.co.th

Thaloengsak Kucharoenpaisan Analyst, Retail Market Strategy thaloengsak.kuc@thanachartsec.co.th Pattarawan Wangmingmat Senior Technical Analyst pattarawan.wan@thanachartsec.co.th

Phannarai Tiyapittayarut Property, Retail phannarai.von@thanachartsec.co.th

Sarachada Sornsong Bank, Finance sarachada.sor@thanachartsec.co.th

Witchanan Tambamroong Technical Analyst witchanan.tam@thanachartsec.co.th

Nariporn Klangpremchitt, CISA Analyst, Retail Market Strategy nariporn.kla@thanachartsec.co.th