Central Retail Corp Pcl (CRC TB)

Post-Tokyo conference

CRC joined our Daiwa-Thanachart Thai corporate day in Tokyo for the second consecutive year on 20-21 June. Japanese investors are worried about the overall Thai economy and CRC's Vietnam business operations, but are convinced of CRC's market share gain story in the Thai DIY segment and food business in both Thailand and Vietnam.



PHANNARAI TIYAPITTAYARUT 662-779-9109 phannarai.von@thanachartsec.co.th

Met with Japanese investors

Thanachart Securities, in cooperation with Daiwa Capital Markets, hosted a conference in Tokyo. CRC was one of the four corporates at the event, which was the second time CRC had attended. Investors met Mr. Panet Mahankanurak, CFO, and Ms. Rangsirach Pornsutee, Head IR. Investors were familiar with CRC's businesses and keen to get business updates on Thailand and Vietnam amid a slower-than-expected economic recovery and political instability. They were pleased to learn about the midto-long-term growth strategy of continuing branch expansion of the underpenetrated DIY home improvement and food segments.

2Q24F update

Same-store sales (SSS) growth in April-May turned to a low single-digit negative figure of around 2% (vs. our +3% SSSG projection earlier) due to weaker operations in Thailand (dragged by fashion and hardline) and Vietnam (food lost 1Q24's good momentum) while Italy remained strong. MTD in June showed a better trend, and we expect -1.5% SSSG for 2Q24F. Apart from soft consumption, the lack of E-Receipt stimulus, unlike in 1Q24, was also a reason. Since the higher-margin fashion segment performed the best (driven by Italy) for 2QTD SSS (we expect 2% for fashion, -2% for food, -7% for hardline) and no margin pressure from lower-margin big-ticket purchases like during the E-Receipt campaign, we expect 2Q24F gross margin to improve q-q and foresee a narrower fall y-y vs. a 25bp drop y-y in 1Q24.

Medium-term growth strategy

CRC has targeted medium-term sales growth of 35% from SSS (3% SSSG) and 65% from new stores. The firm told investors the fastest store expansion formats are Thai Watsadu home DIY, where traditional trade commands 65% of the total market: GO Wholesale since the market leader CPAXT's Makro wholesale has only a 9% share of the Bt2.6tr food wholesale market; and GO! Hypermarket and mini go! Supermarket in Vietnam, with a 12% modern trade share of Vietnam's food market. Despite weak consumption in Thailand and a slower-than-expected recovery of its Vietnam business this year, we see store expansion driving 2024F sales growth of 11% before rising to 13% p.a. in 2025-26F.

TP cut by 4%; still a BUY

Factoring in lower SSSG assumptions, the permanent closure of Robinson Srinakarin department store from mid-August, and the divestment of a 25% stake in Luxury Goods Ltd (Gucci Thailand) in March, we cut our earnings by 4-5% in 2024-26F with a lower DCF-based TP of Bt43. We reaffirm our BUY on CRC for record core profit this year while its PE multiples fall to 21.2/19.0x in 2024-25F vs. 37.5x in 2021-23 (listed in February 2020).

COMPANY VALUATION

Y/E Dec (Bt m)	2023A	2024F	2025F	2026F
Sales	231,438	257,469	289,695	327,336
Net profit	8,016	8,753	9,743	11,210
Consensus NP	_	9,018	10,486	11,831
Diff frm cons (%)	_	(2.9)	(7.1)	(5.2)
Norm profit	8,168	8,753	9,743	11,210
Prev. Norm profit	_	9,162	10,250	11,747
Chg frm prev (%)	_	(4.5)	(4.9)	(4.6)
Norm EPS (Bt)	1.4	1.5	1.6	1.9
Norm EPS grw (%)	17.9	7.2	11.3	15.1
Norm PE (x)	22.7	21.2	19.0	16.5
EV/EBITDA (x)	8.1	7.8	7.4	6.9
P/BV (x)	2.8	2.6	2.4	2.2
Div yield (%)	1.8	1.9	2.1	2.4
ROE (%)	12.6	12.1	12.9	13.7
Net D/E (%)	98.6	97.7	90.0	80.7

PRICE PERFORMANCE



COMPANY INFORMATION

Price as of 27-Jun-24	4 (Bt)	30.75
Market Cap (US\$ m)	5,030.5
Listed Shares (m sh	ares)	6,031.0
Free Float (%)		57.8
Avg Daily Turnover (US\$ m)	10.7
12M Price H/L (Bt)		42.25/28.50
Sector		Commerce
Major Shareholder	Harng Central [Department Store
		Co.,Ltd. 35.06%

Sources: Bloomberg, Company data, Thanachart estimates

ESG Summary Report P8

Questions & answers

1) What is the current consumption and political situation in Thailand?

Thailand suffers from political instability, and the recent politically-related court cases may push the country into a new cycle of political strife. However, CRC does not believe the current political issues will end up with actual conflict. As for the impact of the economic slowdown, people are becoming more cautious about spending. CRC shared 2QTD numbers with SSS turning slightly negative (we expect no more than negative 2%) from positive SSS of 1% in 1Q24 (E-Receipts contributed 1-2% of 1Q24 SSS), implying softer spending momentum q-q but still holding up well. Home improvement and electronics appliances continue to experience a slowdown. However, it still expects healthy spending by middle- to high-income customers in the luxury segment. Its flagship department store, Central Chidlom, is undergoing a major refurbishment into a world-class luxury destination, and it just opened a Louis Vuitton store with strong sales. The store's whole new look is scheduled to be completed by 4Q24.

Ex 1: 2QTD SSS

(%)	1Q23	2Q23	3Q23	4Q23	1Q24	2QTD (Apr-May)
SSS - total CRC	13	4	0	(2)	1	(2)
By segment						
Fashion	31	14	6	3	2	2
Hardline	0	(2)	(6)	(8)	(5)	(7)
Food	8	(2)	(3)	(5)	4	(2)
By country						
TH	16	5	3	(1)	0	(3)
Fashion	29	8	4	0	0	(3)
Hardline	6	2	0	(3)	(3)	(6)
Food	11	4	3	0	2	(0)
VN	(1)	(11)	(15)	(16)	2	(5)
Hardline	(28)	(23)	(37)	(34)	(20)	(13)
Food	6	(8)	(9)	(11)	5	(3)
Italy	37	26	10	9	9	8

Sources: Company data, Thanachart estimates

2) What is CRC's strategy amid the high household debt of Thais?

CRC said its five-year plan is geared towards capturing market share from traditional trade through branch expansion and store renovation. It also expects wage hikes to have more of a positive impact than a negative one, as they will increase spending power while most of its staff are paid above the minimum wage.

3) Which formats are expected to have the fastest branch expansion?

CRC said the fastest store expansion formats are Thai Watsadu home DIY, where traditional trade commands 65% of the total market; GO Wholesale since the market leader CPAXT's Makro wholesale has only a 9% share of the Bt2.6tr food wholesale market; and GO! Hypermarket and mini go! Supermarket in Vietnam, with a 12% modern trade share of Vietnam's food market. Its five-year expansion plan is for eight to 10 new Thai Watsadu stores per year, seven to eight new GO Wholesale branches per year to reach 40-45 stores by 2028 (after being first introduced in 4Q23), three GO! Hypermarkets, and six to eight mini go! Supermarkets in Vietnam per year.

Ex 2: Net Store Openings

	2020	2021	2022	2023	2024F	2025F	2026F
<u>Fashion</u>							
- Department Store (Central, Robinson)	1	2	3	2	1	2	2
- Rinascente (Italy)	0	0	0	0	0	0	0
<u>Hardline</u>							
- Thai Watsadu + BnB Home (Thailand)	4	5	5	14	8	10	10
- Nguyen Kim (Vietnam)	(11)	(8)	0	2	0	0	0
<u>Food</u>							
Food business in Thailand							
- Supermarket (Tops Market, Central	5	9	12	8	8	8	8
Food Hall)							
- GO Wholesale	0	0	0	4	7	8	8
Food business in Vietnam							
- GO! Hypermarket	4	(4)	1	0	3	3	3
- Tops market, go!, Lanchi	0	7	6	7	8	8	8

Sources: Company data, Thanachart estimates

Ex 3: Stores (YE)

	2020	2021	2022	2023	2024F	2025F	2026F
<u>Fashion</u>							
- Department Store (Central, Robinson)	69	71	74	76	77	79	81
- Rinascente (Italy)	9	9	9	9	9	9	9
<u>Hardline</u>							
- Thai Watsadu + BnB Home (Thailand)	57	62	67	81	89	99	109
- Nguyen Kim (Vietnam)	59	51	51	53	53	53	53
<u>Food</u>							
Food business in Thailand							
- Supermarket (Tops Market, Central	139	148	160	168	176	184	192
Food Hall)							
- GO Wholesale	0	0	0	4	11	19	27
Food business in Vietnam							
- GO! Hypermarket	41	37	38	38	41	44	47
- Tops market, go!, Lanchi	22	29	35	42	50	58	66

Sources: Company data, Thanachart estimates

4) Why is CRC rolling out new stores upcountry, given that strong spending is in metropolitan areas?

At present, the sales breakdown from Thailand businesses is 50% from Bangkok & Greater Bangkok and 50% from the provinces. CRC said store rollouts depend on each business. For department stores, it doesn't plan to expand much, say one to two new department stores per year, but instead focus on store renovation and upgrading. So far this year, two have been opened upcountry in Nakorn Sawan and Nakorn Pathom provinces. For Thai Watsadu, the top-performing stores are the Greater Bangkok branches, but the company sees room to open more provincial branches. The new business, GO Wholesale, is concentrating on branch openings in Greater Bangkok and major tourist provinces.

5) How are the businesses in Vietnam doing?

- CRC said the global slowdown and the political instability in Vietnam caused by the corruption crackdown will likely continue to slow the country's economic growth. Vietnam contributed 21% of CRC's sales in 2023, down 8% y-y. Of the Bt47bn in Vietnam sales, 84% was from the food business (hypermarkets, supermarkets) and 16% from the hardline business (Nguyen Kim electronics stores). Growing exports and retail sales in 1Q24 drove 5% sales growth in Vietnam after four straight quarters of decline, boosted by the food business. However, CRC's 2QTD SSS in Vietnam lost positive momentum from 2% SSSG in 1Q24 to an estimated negative 5% in 2QTD, dragged down by the food business, where 2QTD SSS again turned negative.
- CRC said hypermarkets have lost fresh food sales to small-format stores and wet markets. It plans to speed up the expansion of mini go! Supermarkets to six to eight new branches a year, from a total of 10 branches as of 1Q24.
- Nguyen Kim is currently making losses. CRC said it has no plans to open new stores but will close some stores to reduce losses and eventually make a profit. In 1Q24, there were 51 branches. It intends to close five to six branches this year.

Ex 4: Key Assumptio							
	2020	2021	2022	2023	2024F	2025F	2026F
Total sales of goods (E	3t m)						
New	173,138	175,975	211,903	221,926	247,386	278,678	315,163
Old					252,906	285,274	322,865
Change (%)					(2.2)	(2.3)	(2.4
Sales growth (%)							
New	(11.4)	1.6	20.4	4.7	11.5	12.6	13.1
Old					14.0	12.8	13.2
SSSG (%) - New	(20.8)	(5.0)	20.0	3.0	0.5	3.2	3.2
Fashion segment	(33.7)	(6.0)	38.0	12.0	2.0	2.0	1.7
Hardline segment	(14.3)	3.0	5.0	(4.0)	(3.3)	2.3	2.3
Food segment	(9.9)	(12.0)	15.0	(0.2)	2.5	4.5	4.5
SSSG (%) - Old					2.9	3.4	3.4
Fashion segment					3.3	2.0	1.7
Hardline segment					2.5	2.3	2.3
Food segment					3.0	5.0	5.0
Equity income (Bt m)							
New	132	279	820	990	1,000	1,070	1,14
Old					1,059	1,133	1,213
Change (%)					(5.6)	(5.6)	(5.6
Normalized profit (Bt n	n)						
New	46	59	6,930	8,168	8,753	9,743	11,210
Old					9,162	10,250	11,74
Change (%)					(4.5)	(4.9)	(4.6

Sources: Company data, Thanachart estimates

Ex 5: 12-month DCF-based TP Calculation Using A Base Year Of 2024F

(Bt m)		2024F	2025F	2026F	2027F	2028F	2029F	2030F	2031F	2032F	2033F	2034F	2035F	Terminal
														Value
EBITDA		33,273	35,178	37,382	40,181	42,703	44,972	47,145	49,895	52,413	54,971	57,950	61,125	
Free cash flow		1,772	7,895	9,634	17,072	21,347	27,643	29,664	32,976	35,015	37,129	39,631	42,287	560,241
PV of free cash flow		1,772	6,610	7,381	11,969	13,691	16,223	15,929	15,721	15,213	14,705	14,308	13,917	184,386
Risk-free rate (%)	2.5													
Market risk premium (%)	8.0													
Beta	1.1													
WACC (%)	8.9													
Terminal growth (%)	2.0													
Enterprise value - add	331,825													
investments														
Net debt	69,310													
Minority interest	3,201													
Equity value	259,314													
# of shares (m)	6,031													
Equity value/share (Bt)	43													

Source: Company, Thanachart estimates

Valuation Comparison

Ex 6: Valuation Comparison With Regional Peers

			EPS g	rowth	—— РЕ		—— P/B	v ——	EV/EB	ITDA	— Div. yi	eld —
Name	BBG code	Country	24F	25F	24F	25F	24F	25F	24F	25F	24F	25F
Marks & Spencer	MKS LN	Britain	39.9	(1.3)	11.6	11.8	1.7	0.9	6.0	4.9	1.5	5.2
J Sainsbury PLC	SBRY LN	Britain	(3.2)	4.7	11.0	10.5	0.7	0.8	4.9	4.9	5.5	5.8
Tesco	TSCO LN	Britain	12.7	6.7	11.7	11.0	1.6	1.7	6.8	6.7	4.1	4.6
Carrefour SA	CA FP	France	19.2	16.1	7.0	6.0	8.0	0.7	4.6	4.3	6.5	7.0
Casino Guichard	CO FP	France	na	83.6	na	na	0.0	0.0	7.6	7.5	0.0	0.0
L'Oreal SA	OR FP	France	7.2	8.7	33.7	31.0	7.4	6.7	22.8	21.0	1.6	1.7
Alimentation Couche	ATD/B CN	Canada	(2.0)	8.5	na	na	na	na	11.9	10.8	na	na
Aeon	8267 JP	Japan	39.9	25.4	77.3	61.6	3.0	2.8	10.2	9.9	1.1	1.1
Kao Corporation	4452 JP	Japan	127.7	15.7	29.6	25.6	3.1	2.9	14.0	12.9	2.3	2.3
Lion Corporation	4912 JP	Japan	6.8	0.0	19.2	19.2	1.2	1.2	7.6	7.2	2.1	2.2
Shiseido Co. Ltd	4911 JP	Japan	43.0	154.2	75.4	29.7	3.0	2.9	17.6	13.6	1.2	1.3
Lawson	2651 JP	Japan	112.2	6.0	20.8	19.7	3.6	3.2	6.4	6.0	2.2	2.5
Seven & I Holdings	3382 JP	Japan	(15.7)	24.6	21.5	17.3	1.4	1.3	7.6	7.3	1.9	2.1
Lotte Corp	004990 KS	South Korea	na	67.5	13.0	7.8	0.4	0.4	8.6	8.4	7.2	8.0
Shinsegae	004170 KS	South Korea	9.2	15.2	4.8	4.1	0.3	0.3	6.2	5.9	2.7	2.9
Amore Pacific Group	002790 KS	South Korea	42.9	37.4	17.6	12.8	0.9	0.8	6.1	4.7	1.0	1.3
Best Buy Co Inc	BBY US	USA	(0.9)	10.4	13.8	12.5	5.4	5.4	7.0	6.5	4.5	4.7
Wal-Mart Stores	WMT US	USA	12.3	10.0	28.1	25.5	6.0	5.6	14.2	13.2	1.2	1.3
Home Depot Inc	HD US	USA	2.1	6.2	22.2	20.9	na	na	15.1	14.5	2.6	2.8
Levi Strauss & Co.	LEVI US	USA	14.5	15.4	18.5	16.1	4.2	3.6	11.6	10.5	2.2	2.4
Yonghui Superstores	601933 CH	China	123.7	200.0	na	45.9	3.6	2.9	14.5	14.1	0.2	1.0
Sa International	178 HK	Hong Kong	na	6.9	9.4	8.8	2.2	1.9	6.3	6.9	5.9	7.4
Dairy Farm Intl Hldgs	DFI SP	Hong Kong	35.4	24.2	12.3	9.9	2.4	2.0	6.8	6.7	5.1	6.1
President Chain Store	2912 TT	Taiwan	5.5	10.2	24.4	22.1	6.9	6.0	9.2	8.7	3.6	3.8
7-Eleven Malaysia	SEM MK	Malaysia	(3.0)	18.8	30.8	25.9	5.4	4.9	8.5	7.9	1.6	1.8
Berli Jucker *	BJC TB	Thailand	8.0	7.0	16.8	15.7	0.7	0.7	10.4	10.0	4.2	4.5
COM7 *	COM7 TB	Thailand	4.3	22.3	13.5	11.1	4.5	3.8	9.5	8.0	4.3	5.3
CP All *	CPALL TB	Thailand	33.3	17.5	21.4	18.2	4.0	3.6	8.8	8.0	2.3	2.8
CP Axtra *	CPAXT TB *	Thailand	24.7	18.0	26.8	22.7	0.9	0.9	11.1	10.2	2.6	3.1
Central Pattana *	CPN TB	Thailand	8.0	10.3	16.7	15.2	2.5	2.3	12.0	11.1	3.3	3.5
Central Retail Corp. *	CRC TB	Thailand	7.2	11.3	21.2	19.0	2.6	2.4	7.8	7.4	1.9	2.1
Dohome *	DOHOME TB	Thailand	47.8	41.0	42.3	30.0	2.5	2.3	22.7	19.5	0.1	0.1
Siam Global House *	GLOBAL TB	Thailand	11.2	16.0	26.3	22.7	3.1	2.8	20.5	18.1	1.3	1.5
Home Product*	HMPRO TB	Thailand	10.9	10.0	16.8	15.3	4.6	4.3	9.8	9.1	4.8	5.2
MC Group *	MC TB	Thailand	13.5	18.4	11.8	10.0	2.3	2.2	5.9	5.3	8.2	9.8
Moshi Moshi Retail*	MOSHI TB *	Thailand	24.5	42.7	30.5	21.4	6.8	5.7	15.4	11.7	1.6	2.3
Average			24.9	27.5	23.0	19.3	2.9	2.6	10.4	9.5	2.9	3.4

Sources: Bloomberg, Thanachart estimates

Note: * Thanachart estimates using normalized EPS growth,

Based on 27 June 2024 closing price

COMPANY DESCRIPTION

Central Retail Corporation Pcl (CRC) is Thailand's leading retailer under Central Group's Chirathivat family. It operates multi-retail businesses (fashion, hardline, food) in eight retail formats (department stores, specialty stores, brand shops, supermarkets, hypermarkets, convenience stores, retail plazas, and sales counters) in three countries (Thailand, Vietnam, and Italy). As of end-2023, it operated a net selling area of 3.6m sqm and a net leasable area of 0.74m sqm.

Source: Thanachart

THANACHART'S SWOT ANALYSIS

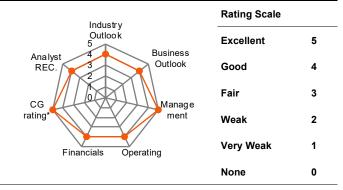
S — Strength

- Retail market leader in Thailand with multiple retail formats.
- Accelerating omni-channel platform in response to new consumption trends.
- Strong market position in each retail segment.

Opportunity

- Room to open more Thai Watsadu stores in the growing home-improvement sector.
- Strong growth opportunities in Vietnam from higher population, strong economic growth and low modern-trade penetration.
- More M&As.

COMPANY RATING



Source: Thanachart; * No CG Rating

W — Weakness

- Low returns on some businesses with model adjustments needed.
- Highly capital-intensive business and high operating expenses.

T — Threat

- Competition from new entrants.
- Weak Thai economy.
- Pandemic.

CONSENSUS COMPARISON

	Consensus	Thanachart	Diff
Target price (Bt)	42.98	43.00	0%
Net profit 24F (Bt m)	9,018	8,753	-3%
Net profit 25F (Bt m)	10,486	9,743	-7%
Consensus REC	BUY: 20	HOLD: 3	SELL: 0

HOW ARE WE DIFFERENT FROM THE STREET?

- Our 2024-25F net profits are 3-7% below the Bloomberg consensus numbers.
- Our DCF-based TP is, however, in line with the Street's.

RISKS TO OUR INVESTMENT CASE

- There would be downside risk to our earnings forecasts if CRC fails to open new stores in line with our current expectations.
- Earnings growth could be hindered if competitors open stores more aggressively than we presently expect.
- An economic slowdown would be a secondary downside risk to our call.

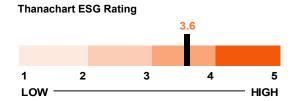
Sources: Bloomberg consensus, Thanachart estimates

Source: Thanachart

Central Retail Corp Pcl

Sector: Services | Commerce

CRC is a multi-category retailer with various retail store formats in the fashion, food, and hardline segments in Thailand, Vietnam, and Italy. It operates a total space of 4.0m sqm. Our ESG score for CRC is relatively high at 3.6, as its business doesn't create much greenhouse gas, and the company has clear targets and plans for ESG issues.



				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)			
CRC	YES	AAA	YES	BBB	-	58.52	77.00	-	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 "term of use" in the following back page.

Factors

Our Comments

ENVIRONMENT

- Environmental Policies & Guidelines
- Energy Management
- Carbon Management
- Water Management
- Waste Management

 Despite its business nature of not generating much greenhouse gas (GHG), CRC still sets ESG goals. By 2030, it targets to achieve the use of 100% friendly packaging, reduce food losses and waste by 30% (from 4,567 tonnes of food waste in 2023), and cut GHG

emissions by 30% from 0.47m tonnes of CO2 equivalent in 2023 (baseline year).

- Since 2018, it has complied with its "Central Retail Love the Earth" campaign that focuses on waste reduction (Journey to Zero), an increase in green areas (Central Green), and forest restoration.
- Packaging management: to phase out single-use plastic packaging "Say No to Plastic Bags", increase the use of reusable packaging "Bring Your Own Bag", increase the use of recycled-material and recyclable packaging through the "Bag for Life".

SOCIAL

- Human Rights
- Staff Management
- Health & Safety
- Product Safety & Quality
- Social Responsibility
- In 2023, the average employee training and development time was 18.1 hours/person/year with an average cost of Bt3,602/person.
- It provides an option for employees to work from home one day a week to save time and commuting expenses.
- Low-interest loans and educational loans for employees, spouses, and children.
- CRC selects safe and high-quality products by conducting inspections for the whole supply chain in compliance with the Food Safety System Certification (FSSC 22000).

GOVERNANCE & SUSTAINABILITY

- Board
- Ethics & Transparency
- Business Sustainability
- Risk Management
- Innovation

- The board of directors (BOD) comprises 15 members, five of whom are independent directors. Three directors are women, and eight directors are from the Chirathivat family.
- Confirmed breaches of business ethics fell from 77 cases in 2019 to 62 in 2020, 49 in 2021, and 28 in 2022. Most involved internal regulatory non-compliance.
- CRC has established risk-management guidelines according to international standards.
- CRC aims to effectively promote a risk-aware culture within the organization. This starts
 with raising risk awareness among employees at all levels through risk management
 training, including workplace safety and personal data privacy issues.
- CRC has an information system that enhances risk-management efficiency. The system helps support risk information, performance data, and risk management reporting and communicates risk-management results to stakeholders.

Sources: Company data, Thanachart

INCOME STATEMENT

2024F FY ending Dec (Bt m) 2022A 2023A 2025F 2026F Sales 219,898 231,438 257,469 289,695 327,336 Cost of sales 159,647 164,941 184,635 209,478 238,689 **Gross profit** 60,251 66,497 72,833 80,217 88,647 % gross margin 27.4% 28.7% 28.3% 27.7% 27.1% Selling & administration expenses 64,540 69,834 75,772 83,689 92,089 Operating profit 11,539 13,615 15,089 16,168 18,009 5.5% % operating margin 5.2% 5.9% 5.9% 5.6% Depreciation & amortization 17,171 17,722 19,373 18,184 19,010 **EBITDA** 28,709 31,337 33,273 35,178 37,382 % EBITDA margin 13.1% 13.5% 12.9% 12.1% 11.4% 16,041 17,250 18,202 19,832 21,653 Non-operating income Non-operating expenses 0 0 Interest expense (3,479)(4,642)(4,867)(4,724)(4,731)Pre-tax profit 8,273 9,271 10,396 11,635 13,479 Income tax 1,733 1,587 2,079 2,327 2,696 After-tax profit 6,540 7,685 8,317 9,308 10,783 3.3% 3.2% 3.3% % net margin 3.0% 3.2% 990 1,070 Shares in affiliates' Earnings 820 1,000 1,145 Minority interests (430)(506)(564)(636)(719)Extraordinary items 245 (152)0 0 0 **NET PROFIT** 7,175 8,016 8,753 9,743 11,210 Normalized profit 6,930 8,168 8,753 9,743 11,210 EPS (Bt) 1.2 1.3 1.5 1.6 1.9 Normalized EPS (Bt) 1.1 1.4 1.5 1.6 1.9

Strong EBITDA growth after **COVID**

We expect record profits

to continue

Well-controlled debt with net gearing not over 1x despite continuing M&As

BALANCE SHEET					
FY ending Dec (Bt m)	2022A	2023A	2024F	2025F	2026F
ASSETS:					
Current assets:	76,532	79,956	87,682	97,776	109,237
Cash & cash equivalent	15,617	14,814	17,025	18,048	18,884
Account receivables	5,421	5,545	5,957	6,464	7,035
Inventories	43,675	46,413	50,079	56,817	64,740
Others	11,819	13,185	14,621	16,446	18,578
Investments & loans	6,318	6,314	6,314	6,314	6,314
Net fixed assets	49,045	57,497	68,413	73,403	78,030
Other assets	144,090	143,330	147,731	148,794	149,156
Total assets	275,984	287,097	310,140	326,287	342,737
LIABILITIES:					
Current liabilities:	108,488	118,505	122,696	131,388	139,582
Account payables	39,828	41,831	45,526	51,652	58,855
Bank overdraft & ST loans	34,954	30,917	36,569	37,033	36,787
Current LT debt	6,561	16,932	10,971	11,110	11,036
Others current liabilities	27,145	28,825	29,630	31,593	32,905
Total LT debt	39,780	36,275	43,883	44,439	44,144
Others LT liabilities	62,831	62,056	67,393	67,611	68,425
Total liabilities	211,099	216,837	233,972	243,439	252,151
Minority interest	2,762	3,201	3,765	4,401	5,120
Preferreds shares	0	0	0	0	0
Paid-up capital	6,031	6,031	6,031	6,031	6,031
Share premium	66,761	66,761	66,761	66,761	66,761
Warrants	0	0	0	0	0
Surplus	(24,459)	(24,670)	(24,670)	(24,670)	(24,670)
Retained earnings	13,790	18,937	24,281	30,325	37,344
Shareholders' equity	62,123	67,060	72,403	78,447	85,466
Liabilities & equity	275,984	287,097	310,140	326,287	342,737
Sources: Company data. Thanachart est	timates				

Sources: Company data, Thanachart estimates

CASH FLOW STATEMENT

FY ending Dec (Bt m)	2022A	2023A	2024F	2025F	2026F
Earnings before tax	8,273	9,271	10,396	11,635	13,479
Tax paid	(1,458)	(1,449)	(2,038)	(2,183)	(2,578)
Depreciation & amortization	17,171	17,722	18,184	19,010	19,373
Chg In working capital	(3,524)	(858)	(384)	(1,120)	(1,291)
Chg In other CA & CL / minorities	(233)	943	140	816	(43)
Cash flow from operations	20,229	25,629	26,298	28,158	28,941
Capex	(22,856)	(26,174)	(29,100)	(24,000)	(24,000)
Right of use	2,059	1,555	78	4	4
ST loans & investments	98	(34)	38	0	0
LT loans & investments	(759)	4	0	0	0
Adj for asset revaluation	0	0	0	0	0
Chg In other assets & liabilities	(2,256)	(1,532)	1,008	(599)	696
Cash flow from investments	(23,714)	(26,182)	(27,976)	(24,595)	(23,300)
Debt financing	2,455	2,829	7,298	1,159	(615)
Capital increase	(123)	0	0	0	0
Dividends paid	(1,809)	(2,895)	(3,409)	(3,699)	(4,191)
Warrants & other surplus	492	(185)	0	0	0
Cash flow from financing	1,014	(250)	3,889	(2,540)	(4,805)
Free cash flow	(2,628)	(545)	(2,802)	4,158	4,941

Trading at a much lower PE than the average of 37.5x in 2021-23

VALUATION						
FY ending Dec	2022A	2023A	2024F	2025F	2026F	
Normalized PE(x)	26.8	22.7	21.2	19.0	16.5	
Normalized PE - at target price (x)	37.4 25.8	31.7	29.6 21.2	26.6 19.0	23.1 16.5	
PE(x)		23.1				
PE - at target price (x)	36.1	32.4	29.6	26.6	23.1	
EV/EBITDA (x)	8.7	8.1	7.8 10.0 2.6 3.6 7.1 0.7 1.9	7.4 9.5 2.4 3.3 6.6 0.6 2.1	6.9 8.9 2.2 3.0 6.4 0.6 2.4	
EV/EBITDA - at target price (x)	11.3	10.5				
P/BV (x)	3.0 4.2 9.2 0.8 1.6	2.8				
P/BV - at target price (x)		3.9				
P/CFO (x)		7.2 0.8 1.8				
Price/sales (x)						
Dividend yield (%)						
FCF Yield (%)	(1.4)	(0.3)	(1.5)	2.2	2.7	
(Bt)						
Normalized EPS	1.1	1.4	1.5	1.6	1.9	
EPS	1.2	1.3	1.5	1.6	1.9	
DPS	0.5	0.6	0.6	0.6	0.7	
BV/share	10.3	11.1	12.0	13.0	14.2	
CFO/share	3.4	4.2	4.4	4.7	4.8	
FCF/share	(0.4)	(0.1)	(0.5)	0.7	8.0	

Sources: Company data, Thanachart estimates

FINANCIAL RATIOS

I INANGIAL IVATIOS					
FY ending Dec	2022A	2023A	2024F	2025F	2026F
Growth Rate					
Sales (%)	21.0	5.2	11.2	12.5	13.0
Net profit (%)	11,985.2	11.7	9.2	11.3	15.1
EPS (%)	11,985.2	11.7	9.2	11.3	15.1
Normalized profit (%)	11,572.9	17.9	7.2	11.3	15.1
Normalized EPS (%)	11,572.9	17.9	7.2	11.3	15.1
Dividend payout ratio (%)	40.3	41.4	40.0	40.0	40.0
Operating performance					
Gross margin (%)	27.4	28.7	28.3	27.7	27.1
Operating margin (%)	5.2	5.9	5.9	5.6	5.5
EBITDA margin (%)	13.1	13.5	12.9	12.1	11.4
Net margin (%)	3.0	3.3	3.2	3.2	3.3
D/E (incl. minor) (x)	1.3	1.2	1.2	1.1	1.0
Net D/E (incl. minor) (x)	1.0	1.0	1.0	0.9	8.0
Interest coverage - EBIT (x)	3.3	2.9	3.1	3.4	3.8
Interest coverage - EBITDA (x)	8.3	6.8	6.8	7.4	7.9
ROA - using norm profit (%)	2.6	2.9	2.8	3.1	3.4
ROE - using norm profit (%)	11.7	12.6	12.1	12.9	13.7
DuPont					
ROE - using after tax profit (%)	11.0	11.9	11.5	12.3	13.2
- asset turnover (x)	8.0	8.0	0.8	0.9	1.0
- operating margin (%)	5.3	6.0	5.9	5.6	5.6
- leverage (x)	4.5	4.4	4.3	4.2	4.1
- interest burden (%)	70.4	66.6	68.1	71.1	74.0
- tax burden (%)	79.1	82.9	80.0	80.0	80.0
WACC (%)	8.9	8.9	8.9	9.3	9.3
ROIC (%)	7.8	8.8	8.9	8.8	9.4
NOPAT (Bt m)	9,122	11,285	12,071	12,934	14,407
invested capital (Bt m)	127,801	136,370	146,801	152,981	158,550

ROE looks to be on the way up

Sources: Company data, Thanachart estimates

ESG Information - Third Party Terms

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 ÉSG 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 information and purposes only; they do not constitute an endorsement or an approval by ESG Book of any of the products services or opinizations of the comporations of the comporations. information 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 arising, in relation thereto, and nothing contained herein should be relied upon. CONFIDENTIALITY. This document contains highly confidential information regarding ESG Book's strategy and organization. Your acceptance of this document constitutes your agreement to keep confidential all the information contained in this document, as well as any information derived by you from the information contained in this document and not disclose any such information to any other person. This document may not be copied, reproduced, in any way used or disclosed or transmitted, in whole or in part, to any other person.

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 can 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 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
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 an investment that is each that is 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.
© 2022 Moody's Corporation, 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 Loss in the Event of Default or Impariment, 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, Do Not Address any Other Risk, Including But not Limited to: Liquidity Risk, Market Value Risk, or Price Volatility. 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 or 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 Recommentation of Purchase, Sell, or Hold Particular Securities. Moody's Credit Ratings, Assessments, Other Opinions and Publications are Opinions and Publications Do Not Commentations Do Not Comment on the Suitability of an Investment for any Particular Investor. Moody's Issues its Credit Ratings, Opinions and Publications of Purchase, Sell, or Hold Particular Investor. Moody's Issues its Credit Ratings, Opinions and Publications on The Ratings, Other Opinions and Publications on The Ratings, Othe

ASSESSMENTS AND OTHER OPINIONS AND PUBLISHES ITS PUBLICATIONS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL, WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE.
MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS, AND PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS OR PUBLICATIONS WHEN MAKING AN INVESTMENT DECISION. IF IN DOUBT YOU SHOULD CONTACT YOUR FINANCIAL OR OTHER PROFESSIONAL ADVISER.

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 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 Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MOO") hereby discloses that most issuers of debt securities (including corporate).

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 ("MCO"), 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 rating, agreed to pay to Moody's Investors Service, Inc. for 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 credit rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold credit ratings from 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 657AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 383569 (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, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. M

Additional terms for Hong Kong only: Any Second Party Opinion or other opinion that falls within the definition of "advising on securities" under the Hong Kong Securities and Futures Ordinance ("SFO") is issued by Vigeo Eiris Hong Kong Limited, a company licensed by the Hong Kong Securities and Futures Commission to carry out the regulated activity of advising on securities in Hong Kong. This Second Party Opinion or other opinion that falls within the definition of "advising on securities" under the SFO is intended for distribution only to "professional investors" as defined in the SFO and the Hong Kong Securities and Futures (Professional Investors) Rules. This Second Party Opinion or other opinion must not be distributed to or used by persons who are not professional investors.

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 it fees ranging from JPY125,000 to approximately JPY550,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.

These Terms of Use govern your access or use of the ESG information and materials on the Refinitiv website and any Al 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 prohibited without Refinitiv's prior written consent.

All warranties, conditions and other terms implied by statute or common 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

remember that past performance is not a guarantee of future results.

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

In the Refinitive SG information will not be used to construct or calculate and index of a benchmark, used to create any derivative works or used for commercial purposes. Refinitive SG disclaimer in respect of Benchmark Regulations applies to the Refinitive ESG Information.

No responsibility or liability is accepted by Refinitive its affiliates, officers, employees or agents (whether for negligence or otherwise) in respect of the Refinitive ESG Information, or for any inaccuracies, omissions, mistakes, delays or errors in the computation and compilation of the Refinitive ESG Information (and Refinitive shall not be obliged to advise any person of any error therein). For the avoidance of doubt, in no event will Refinitive have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) 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 Al 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.



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: Our major shareholder TCAP (Thanachart Capital PcI) which holding 89.96% of Thanachart Securities and also TCAP holding 100% of Thanachart SPV1 Co. Ltd. TCAP and Thanachart SPV1 Co. Ltd has stake in THANI for 60% and being the major shareholder of 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 Pcl is a subsidiary of Thanachart Capital Pcl (TCAP) which holds 24.31% of the shareholding in TMBThanachart Bank Pcl.

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 BANPU PUBLIC COMPANY LIMITED No. 1/2024 (B.E. 2567) tranche 1-5 which its maturity at 2026-36 (B.E. 2569-79)", 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 MUANGTHAI CAPITAL PUBLIC COMPANY LIMITED No. 5/2024 (B.E. 2567) tranche 1-3 which its maturity at 2026-28 (B.E. 2569-71)", 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 SRISAWAD CAPITAL 1969 PUBLIC COMPANY LIMITED (SCAP) No. 2/2024 (B.E. 2567) tranche 1-3 which its maturity at 2026-28 (B.E. 2569-71)", 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 SAHAKOL EQUIPMENT PUBLIC COMPANY LIMITED (SQ) No. 1/2024 (B.E. 2567) which its maturity at 2026 (B.E. 2569)", 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: Moshi Moshi Retail Corporation Pcl. (MOSHI TB) and Euroasia Total Logistics Pcl (ETL TB).

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 Tel: 662-779-9199 pimpaka.nic@thanachartsec.co.th

Nuttapop Prasitsuksant

Telecom, Utilities
Tel: 662-483-8296
nuttapop.pra@thanachartsec.co.th

Rata Limsuthiwanpoom

Auto, Industrial Estate, Media, Prop. Fund Tel: 662-483-8297 rata.lim@thanachartsec.co.th

Siriporn Arunothai

Small Cap, Healthcare, Hotel Tel: 662-779-9113 siriporn.aru@thanachartsec.co.th

Sittichet Rungrassameephat

Analyst, Retail Market Strategy Tel: 662-483-8303 sittichet.run@thanachartsec.co.th

Adisak Phupiphathirungul

Retail Market Strategy
Tel: 662-779-9120
adisak.phu@thanachartsec.co.th

Pattadol Bunnak

Electronics, Food & Beverage, Shipping Tel: 662-483-8298 pattadol.bun@thanachartsec.co.th

Saksid Phadthananarak

Construction, Transportation Tel: 662-779-9112 saksid.pha@thanachartsec.co.th

Yupapan Polpornprasert

Energy, Petrochemical Tel: 662-779-9110 yupapan.pol@thanachartsec.co.th

Thaloengsak Kucharoenpaisan

Analyst, Retail Market Strategy
Tel: 662-483-8304
thaloengsak.kuc@thanachartsec.co.th

Pattarawan Wangmingmat

Senior Technical Analyst
Tel: 662-779-9105
pattarawan.wan@thanachartsec.co.th

Phannarai Tiyapittayarut

Property, Retail
Tel: 662-779-9109
phannarai.von@thanachartsec.co.th

Sarachada Sornsong

Bank, Finance Tel: 662-779-9106 sarachada.sor@thanachartsec.co.th

Witchanan Tambamroong

Technical Analyst
Tel: 662-779-9123
witchanan.tam@thanachartsec.co.th

Nariporn Klangpremchitt, CISA

Analyst, Retail Market Strategy Tel: 662-779-9107 nariporn.kla@thanachartsec.co.th