

RATCH GROUP RATCH TB

THAILAND / UTILITIES - CONVENTIONAL

BUY

UNCHANGED

Strong earnings boosted by IPPs

- RATCH's 3Q22 NP was THB2.2b, up 2% q-q and 56% y-y on y-y higher earnings from IPPs.
- Share of profits from IPPs came to THB1.5b, up 8% q-q and 92% y-y on the higher q-q utilisation rate for HPC.
- We maintain BUY and lift our SoTP-based TP to THB57.

TARGET PRICE	THB57.00
CLOSE	THB41.00
UP/DOWNSIDE	+39.0%
PRIOR TP	THB55.00
CHANGE IN TP	+3.6%
TP vs CONSENSUS	+14.7%

KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	37,551	41,932	41,142	40,325
Net profit	7,772	8,408	10,524	11,520
EPS (THB)	5.36	3.87	4.84	5.30
vs Consensus (%)	-	(7.2)	9.2	11.5
EBITDA	4,920	10,144	10,778	11,230
Core net profit	7,815	8,408	10,524	11,520
Core EPS (THB)	5.39	3.87	4.84	5.30
Chg. In EPS est. (%)	-	-	-	-
EPS growth (%)	30.6	(28.3)	25.2	9.5
Core P/E (x)	7.6	10.6	8.5	7.7
Dividend yield (%)	6.1	5.0	5.0	5.0
EV/EBITDA (x)	19.3	12.7	11.9	11.3
Price/book (x)	0.8	0.9	0.8	0.8
Net debt/Equity (%)	35.8	29.8	27.7	24.8
ROE (%)	11.9	9.9	10.2	10.5

Solid earnings in 3Q22

RATCH's 3Q22 net profit (NP) was THB2.2b, up 2% q-q and 56% y-y on y-y higher earnings from independent power producers (IPPs). 3Q22 core NP was THB2.5b, up 16% q-q and 58% q-q, beating BBG's consensus estimate by 2%. Share of profits from IPPs came to THB1.5b, up 8% q-q and 92% y-y on the higher q-q utilisation rate for the Hongsa power plant (HPC). Key points: 1) equity NP from HPC of THB1.3b (including a THB0.3b FX gain), up from THB670m in 3Q21; 2) THB412m in equity income from its PNPC hydropower plant in Laos (including a THB0.3b FX gain), up from THB134m in 3Q21; and 3) higher revenues from two wind farms, Yandin and Collector, on higher demand during Australia's winter.

Stronger contributions from IPPs offset weak SPP earnings

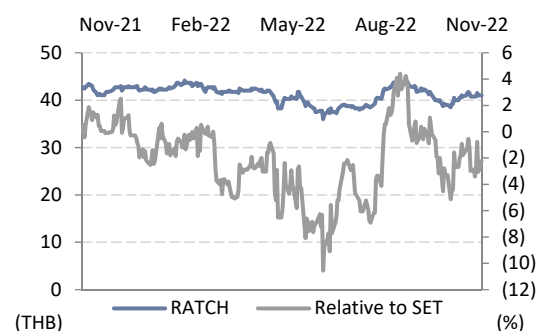
RG's revenue rose 155% y-y to THB18b on higher energy payments, but saw y-y lower availability payments. Revenue from RATCH-Australia (RAC) rose to THB1.4b (+19% y-y) due to a higher electricity sales volume driven by the higher demand during the winter season. RATCH Cogen (RCO) saw 79% higher y-y revenue of THB1b due to higher demand. RATCH's small power producers (SPPs) saw mixed NP results in 3Q22, including Berkprai (+THB12m y-y), NRES (+THB64m y-y), Navanakorn Electricity (-THB105m y-y), and RW Cogen (+THB5m y-y) due to the higher gas cost, despite the Ft increase.

On the path for growth

We expect RATCH's NP growth to rise in 2022-23, premised on 1) a high utilisation rate estimated at 85-90% for HPC; and 2) equity capacity growth (137MW) from two coal-fired power plants, Thang Long and Paiton, the Riau power plant in Indonesia (+146MW in Feb-22), NRER (Apr-22) and HKP in Thailand (+700MW estimated in 2024-25).

Maintain BUY and lift our SoTP-based TP to THB57

We maintain BUY and lift our SoTP-based TP to THB57 to reflect our valuation rollover to 2023. We think RATCH's share price has already bottomed out after its THB25b capital increase via the issue of 769.23m new shares at THB34.48 in Jun-22 and is now likely to re-rate, driven by stronger net profit growth momentum on new capacity growth. With this report, we transfer coverage of RATCH to Siriluck Pinthusoonthorn.



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	5.1	1.2	(2.9)
Relative to country (%)	1.1	1.2	(2.3)
Mkt cap (USD m)	2,481		
3m avg. daily turnover (USD m)	8.0		
Free float (%)	43		
Major shareholder	EGAT (45%)		
12m high/low (THB)	44.50/35.75		
Issued shares (m)	2,175.00		

Sources: Bloomberg consensus; FSSIA estimates


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Investment thesis

While RATCH's 2019-20 earnings growth was not substantial, we like the sustainability of its earnings from its large power asset portfolio. Its 40%-owned 1.8GW Hongsa coal-fired power plant (HPC) has continued to run efficiently, and we project a high utilisation rate of over 80% in 2022, with a 2022E annual net profit contribution of THB2.2b-2.7b due to better efficiency.

We believe RATCH's earnings momentum will improve in 2023, driven by: 1) stronger earnings contributions from HPC; 2) 2022E increased equity capacity; and 3) higher profitability and ROE driven by high-margin new capacity. RATCH aims to grow its renewable capacity in the Australian market, where it has long owned and operated RATCH-Australia (RAC) to operate a number of conventional and renewable power projects. RAC currently has a total capacity of 1.6GW with three new projects as future growth engines for RATCH as a passive investor.

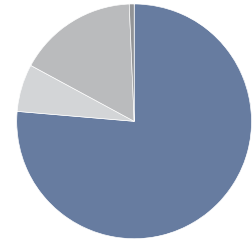
Company profile

RATCH is a holding company investing in electricity generating businesses. RATCH is Thailand's largest power producer by equity capacity and most of its generating power capacity is via independent power producers (IPP).

www.ratch.co.th

Principal activities (revenue, 2021)

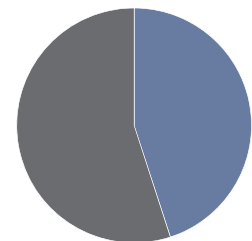
- Domestic electricity generating - 76.4 %
- International power projects - 6.5 %
- Revenue from finance lease contracts - 16.4 %
- Others - 0.7 %



Source: Ratch Group

Major shareholders

- EGAT - 45.0 %
- Others - 55.0 %



Source: Ratch Group

Catalysts

Higher power plant utilisation rates and rising demand for electricity in Thailand and Australia are key potential upside catalysts.

Risks to our call

The downside risks to our SoTP-based TP include 1) lower-than-expected demand for electricity in Thailand; 2) lower crude prices; and 3) delays in starting new projects.

Event calendar

Date	Event
Feb 2023	4Q22/2022 results announcement

Key assumptions

	2022E	2023E	2024E
Dispatched power (GWh)	20,202	24,202	24,202
Gas price (THB/mmBTU)	495	371	316

Source: FSSIA estimates

Earnings sensitivity

- For every 1% increase in gas price, we estimate 2023 earnings would decline 1.1%, and vice versa, all else being equal.
- For every 1% increase in interest rate, we estimate 2023 earnings would decline 1.0%, and vice versa, all else being equal.

Source: FSSIA estimates

Exhibit 1: Summary of 3Q22/9M22 operations

	3Q21	2Q22	3Q22		9M21	9M22	Change	2022E	
	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	(y-y %)	(THB m)
Revenue	9,201	16,402	22,434	36.8	143.8	25,097	55,819	122.4	41,932
Operating costs	(7,957)	(14,495)	(20,892)	44.1	162.6	(21,450)	(50,661)	136.2	(29,901)
EBITDA	1,244	1,907	1,542	(19.2)	24.0	3,646	5,159	41.5	10,144
<i>EBITDA margin (%)</i>	13.5	11.6	6.9	nm	nm	14.5	9.2	nm	24.2
Depn & amort.	(570)	(725)	(820)	13.2	44.0	(1,536)	(2,268)	47.7	(1,863)
EBIT	674	1,182	721	(39.0)	7.0	2,110	2,891	37.0	8,281
Interest expense	(465)	(751)	(664)	(11.6)	42.8	(1,302)	(2,223)	70.8	(2,447)
Interest & invt inc	53.1	67.3	136.3	102.6	156.9	157.3	250.7	59.4	118.3
Other income	125.0	136.4	225.9	65.6	80.8	381.6	370.1	(3.0)	855.8
Associates' contrib	1,306.4	1,922.4	2,228.6	15.9	70.6	4,318.0	5,337.3	23.6	3,078.3
Exceptional	(155)	(21)	(267)	1,161.8	72.3	46	125	170.2	-
Pretax profit	1,539	2,536	2,382	(6.1)	54.8	5,712	6,751	18.2	9,886
Tax	(101)	(266)	(105)	(60.6)	4.2	(63)	(840)	1,229.3	(1,359)
<i>Tax rate (%)</i>	6.5	10.5	4.4	nm	nm	1.1	12.4	nm	13.7
Minority interests	0.0	(74.1)	(28.6)	(61.4)	nm	0.0	112.4	nm	(118.9)
Net profit	1,438	2,196	2,248	2.4	56.3	5,649	6,024	6.6	8,408
Non-recurring	(155)	21	(267)	nm	72.4	46	168	261.3	-
Core net profit	1,593	2,175	2,515	15.6	57.9	5,602	5,856	4.5	8,408
EPS (THB)	0.66	1.01	1.03	2.4	56.3	2.60	2.77	6.6	3.87
Core EPS (THB)	0.73	1.00	1.16	15.6	57.9	2.58	2.69	4.5	3.87

Sources: RATCH; FSSIA estimates

Exhibit 2: 3Q22/9M22 – key performance

	3Q21	2Q22	3Q22	Change		9M21	9M22	Change
	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y%)	(THB m)	(THB m)	(y-y%)
Revenue from sales and rendering of services	8,667	15,621	21,641	38.5	149.7	23,428	31,803	35.7
RG	6,878.7	12,068.0	17,526.5	45.2	154.8	19,040.6	25,113.6	31.9
RAC	1,205.1	1,421.9	1,437.7	1.1	19.3	2,778.3	2,422.0	(12.8)
RCO	565.8	810.5	1,011.3	24.8	78.7	1,558.0	1,588.6	2.0
SCG	-	1,282.3	1,613.3	25.8	nm	0.0	2,586.4	nm
FRD	-	19.9	17.7	(10.9)	nm	0.0	54.5	nm
RL	17.7	18.2	34.8	91.8	96.8	51.5	38.1	(26.0)
Share of profits from associates and joint ventures	1,306	1,922	2,229	15.9	70.6	4,299	3,109	(27.7)
IPPs	782.4	1,395.0	1,505.3	7.9	92.4	2,947.6	2,187.2	(25.8)
SPPs	126.0	181.0	99.2	(45.2)	(21.2)	379.6	372.8	(1.8)
Hydropower plants	310.5	246.0	556.2	126.2	79.2	681.7	289.3	(57.6)
Renewable	68.4	63.2	42.3	(33.2)	(38.2)	230.2	173.2	(24.8)
Infrastructure and others	19.2	37.2	25.6	(31.2)	33.5	59.8	86.4	44.5

Sources: RATCH; FSSIA estimates

Exhibit 3: RATCH's DCF valuation

Cost of equity assumptions		(%)	Cost of debt assumptions		(%)
Risk-free rate		2.3	Pretax cost of debt		4.0
Market risk premium		8.5	Marginal tax rate		20.0
Stock beta		1.0			
Cost of equity, Ke		10.8	Net cost of debt, Kd		3.2
Weight applied		25.0	Weight applied		75.0
WACC (%)		5.1			

DCF valuation estimate	(THB m)	(THB/share)	Comments
Core operating assets	64,774	29.8	Include RG, RAC, KKW, WACC 5.1%, Risk-free rate 2.3%
Investments	28,681	13.2	Estimated value for affiliates post 2018 at 1.1x P/BV
Hongsa	12,354	5.7	WACC 5.1%, Risk-free rate 2.3%, Risk premium 8.5%
Cash	33,242	15.3	At end-2023E
Debt	(64,781)	(29.8)	At end-2023E
Minorities	(119)	(0.1)	At end-2023E
Residual ordinary equity	74,152	34.1	
Hin Kong (1.4GW)	7,466	3.4	Assume EIRR at 11%, COD 2024-25E
New 214 wind farms in Australia (214MW)	8,387	3.9	
NNEG & NNE	1,442	0.7	
BAFS (15.5%)	2,969	1.4	Assume fair price at THB30 for 98.98m shares
Paiton (45%)	18,865	8.7	
Nexif	10,255	4.7	Assume EIRR at 12.9%, COD 2022-28E
Target price	123,536	57.0	

Sources: RATCH; FSSIA estimates

Financial Statements

Ratch Group

Profit and Loss (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Revenue	34,482	37,551	41,932	41,142	40,325
Cost of goods sold	(28,396)	(30,972)	(29,901)	(29,129)	(27,886)
Gross profit	6,086	6,579	12,031	12,013	12,440
Other operating income	-	-	-	-	-
Operating costs	(1,906)	(1,659)	(1,887)	(1,234)	(1,210)
Operating EBITDA	4,180	4,920	10,144	10,778	11,230
Depreciation	(1,833)	(2,144)	(1,863)	(1,863)	(1,863)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	2,348	2,776	8,281	8,915	9,367
Net financing costs	(1,087)	(1,456)	(2,329)	(2,941)	(3,022)
Associates	4,600	5,902	3,078	5,108	5,437
Recurring non-operating income	4,750	6,680	3,934	6,049	6,472
Non-recurring items	304	(43)	0	0	0
Profit before tax	6,315	7,957	9,886	12,023	12,817
Tax	(28)	(178)	(1,359)	(1,380)	(1,178)
Profit after tax	6,287	7,779	8,527	10,643	11,639
Minority interests	0	(7)	(119)	(119)	(119)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	6,287	7,772	8,408	10,524	11,520
Non-recurring items & goodwill (net)	(304)	43	0	0	0
Recurring net profit	5,982	7,815	8,408	10,524	11,520
Per share (THB)					
Recurring EPS *	4.13	5.39	3.87	4.84	5.30
Reported EPS	4.34	5.36	3.87	4.84	5.30
DPS	2.40	2.50	2.05	2.05	2.05
Diluted shares (used to calculate per share data)	1,450	1,450	2,175	2,175	2,175
Growth					
Revenue (%)	(10.7)	8.9	11.7	(1.9)	(2.0)
Operating EBITDA (%)	(23.2)	17.7	106.2	6.3	4.2
Operating EBIT (%)	(40.1)	18.2	198.3	7.7	5.1
Recurring EPS (%)	(1.9)	30.6	(28.3)	25.2	9.5
Reported EPS (%)	5.4	23.6	(27.9)	25.2	9.5
Operating performance					
Gross margin inc. depreciation (%)	12.3	11.8	24.2	24.7	26.2
Gross margin of key business (%)	12.3	11.8	24.2	24.7	26.2
Operating EBITDA margin (%)	12.1	13.1	24.2	26.2	27.8
Operating EBIT margin (%)	6.8	7.4	19.7	21.7	23.2
Net margin (%)	17.3	20.8	20.1	25.6	28.6
Effective tax rate (%)	1.7	8.7	20.0	20.0	16.0
Dividend payout on recurring profit (%)	58.2	46.4	53.0	42.4	38.7
Interest cover (X)	6.5	6.5	5.2	5.1	5.2
Inventory days	23.5	21.7	22.8	22.7	22.9
Debtor days	55.6	67.6	79.6	84.8	90.2
Creditor days	48.5	66.7	92.1	91.7	92.5
Operating ROIC (%)	5.6	5.5	11.2	9.0	8.8
ROIC (%)	6.1	6.4	6.4	6.9	7.1
ROE (%)	10.0	11.9	9.9	10.2	10.5
ROA (%)	6.5	6.7	6.1	6.4	6.4
* Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Domestic electricity generating	27,093	28,670	33,052	32,261	31,445
International power projects	2,456	2,456	2,456	2,456	2,456
Revenue from finance lease contracts	4,682	6,174	6,174	6,174	6,174
Others	251	251	251	251	251

Sources: Ratch Group; FSSIA estimates

Financial Statements

Ratch Group

Cash Flow (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Recurring net profit	5,982	7,815	8,408	10,524	11,520
Depreciation	1,833	2,144	1,863	1,863	1,863
Associates & minorities	4,600	5,902	3,078	5,108	5,437
Other non-cash items	-	-	-	-	-
Change in working capital	(3,066)	2,177	(964)	(493)	(571)
Cash flow from operations	9,349	18,039	12,385	17,002	18,249
Capex - maintenance	(1,833)	(2,144)	(1,863)	(1,863)	(1,863)
Capex - new investment	(5,371)	(6,748)	(33,137)	(5,137)	(5,137)
Net acquisitions & disposals	(7,490)	(10,032)	0	0	0
Other investments (net)	28,479	(11,372)	3,078	5,108	5,437
Cash flow from investing	13,785	(30,296)	(31,922)	(1,892)	(1,563)
Dividends paid	(3,254)	(3,253)	(3,698)	(4,459)	(4,459)
Equity finance	0	0	0	0	0
Debt finance	(13,821)	16,466	0	30,000	(10,000)
Other financing cash flows	(10,572)	1,148	18,961	(10,096)	(10,754)
Cash flow from financing	(27,646)	14,362	15,263	15,445	(25,213)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	(4,512)	2,105	(4,273)	30,555	(8,528)
Free cash flow to firm (FCFF)	24,685.15	(10,388.92)	(17,088.92)	18,096.65	20,272.45
Free cash flow to equity (FCFE)	(1,258.91)	5,357.71	(575.60)	35,013.33	(4,068.79)

Per share (THB)

FCFF per share	11.35	(4.78)	(7.86)	8.32	9.32
FCFE per share	(0.58)	2.46	(0.26)	16.10	(1.87)
Recurring cash flow per share	8.56	10.94	6.14	8.04	8.65

Balance Sheet (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Tangible fixed assets (gross)	46,564	60,890	95,890	102,890	109,890
Less: Accumulated depreciation	(17,085)	(24,663)	(26,526)	(28,389)	(30,252)
Tangible fixed assets (net)	29,479	36,228	69,364	74,501	79,638
Intangible fixed assets (net)	3,454	4,708	4,708	4,708	4,708
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	41,035	51,067	51,067	51,067	51,067
Cash & equivalents	4,857	6,961	2,688	33,242	24,715
A/C receivable	4,982	8,934	9,353	9,765	10,168
Inventories	1,783	1,902	1,836	1,789	1,712
Other current assets	6,863	7,518	8,396	8,237	8,074
Current assets	18,485	25,316	22,273	53,033	44,669
Other assets	19,680	37,537	37,537	37,537	37,537
Total assets	112,132	154,855	184,949	220,846	217,619
Common equity	60,521	70,290	99,999	106,064	113,125
Minorities etc.	1	7,520	7,639	7,758	7,876
Total shareholders' equity	60,522	77,810	107,637	113,822	121,001
Long term debt	16,768	26,745	26,745	56,745	46,745
Other long-term liabilities	27,965	30,031	30,031	30,031	30,031
Long-term liabilities	44,733	56,776	56,776	86,776	76,776
A/C payable	3,643	7,677	7,411	7,220	6,912
Short term debt	1,546	8,035	8,035	8,035	8,035
Other current liabilities	1,688	4,558	5,089	4,993	4,894
Current liabilities	6,877	20,270	20,536	20,249	19,842
Total liabilities and shareholders' equity	112,132	154,855	184,949	220,846	217,619
Net working capital	8,297	6,120	7,084	7,577	8,148
Invested capital	101,945	135,659	169,761	175,390	181,098

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

Per share (THB)

Book value per share	41.74	48.48	45.98	48.77	52.01
Tangible book value per share	39.36	45.23	43.81	46.60	49.85

Financial strength

Net debt/equity (%)	22.2	35.8	29.8	27.7	24.8
Net debt/total assets (%)	12.0	18.0	17.4	14.3	13.8
Current ratio (x)	2.7	1.2	1.1	2.6	2.3
CF interest cover (x)	4.8	9.3	15.0	14.7	1.4

Valuation	2020	2021	2022E	2023E	2024E
Recurring P/E (x) *	9.9	7.6	10.6	8.5	7.7
Recurring P/E @ target price (x) *	13.8	10.6	14.7	11.8	10.8
Reported P/E (x)	9.5	7.6	10.6	8.5	7.7
Dividend yield (%)	5.9	6.1	5.0	5.0	5.0
Price/book (x)	1.0	0.8	0.9	0.8	0.8
Price/tangible book (x)	1.0	0.9	0.9	0.9	0.8
EV/EBITDA (x) **	17.4	19.3	12.7	11.9	11.3
EV/EBITDA @ target price (x) **	23.0	24.0	16.1	15.1	14.4
EV/invested capital (x)	0.7	0.7	0.8	0.7	0.7

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

Sources: Ratch Group; FSSIA estimates

Corporate Governance report of Thai listed companies 2021

EXCELLENT LEVEL – Score range 90-100										
AAV	BCPG	CPALL	GCAP	K	MSC	PLANET	SAMART	SPI	THRE	TVD
ADVANC	BDMS	CPF	GFPT	KBANK	MST	PLAT	SAMTEL	SPRC	THREL	TVI
AF	BEM	CPI	GGC	KCE	MTC	PORT	SAT	SPVI	TIPCO	TVO
AH	BGC	CPN	GLAND	KKP	MVP	PPS	SC	SSSC	TISCO	TWPC
AIRA	BGRIM	CRC	GLOBAL	KSL	NCL	PR9	SCB	SST	TK	U
AKP	BIZ	CSS	GPI	KTB	NEP	PREB	SCC	STA	TKT	UAC
AKR	BKI	DDD	GPSC	KTC	NER	PRG	SCCC	STEC	TMT	UBIS
ALT	BOL	DELTA	GRAMMY	LALIN	NKI	PRM	SCG	STI	TNDT	UV
AMA	BPP	DEMCO	GULF	LANNA	NOBLE	PROUD	SCGP	SUN	TNITY	VGI
AMATA	BRR	DRT	GUNKUL	LH	NSI	DRSH	SCM	SUSCO	TOA	VIH
AMATAV	BTS	DTAC	HANA	LHFG	NVD	PSL	SDC	SUTHA	TOP	WACOAL
ANAN	BTW	DUSIT	HARN	LIT	NWR	PTG	SEAFECO	SVI	TPBI	WAVE
AOT	BWG	EA	HMPRO	LPN	NYT	PTT	SEAOIL	SYMC	TQM	WHA
AP	CENTEL	EASTW	ICC	MACO	OISHI	PTTEP	SE-ED	SYNTEC	TRC	WHAUP
ARIP	CFRESH	ECF	ICHI	MAJOR	OR	PTTGC	SELIC	TACC	TRU	WICE
ARROW	CHEWA	ECL	III	MAKRO	ORI	PYLON	SENA	TASCO	TRUE	WINNER
ASP	CHO	EE	ILINK	MALEE	OSP	Q-CON	SHR	TCAP	TSC	ZEN
AUCT	CIMBT	EGCO	ILM	MBK	OTO	QH	SIRI	TEAMG	TSR	
AWC	CK	EPG	INTUCH	MC	PAP	QTC	SIS	TFMAMA	TSTE	
AYUD	CKP	ETC	IP	MCOT	PCSGH	RATCH	SITHAI	TGH	TSTH	
BAFS	CM	FPI	IRPC	METCO	PDG	RS	SMK	THANA	TTA	
BANPU	CNT	FPT	ITEL	MFEC	PDJ	S	SMPC	THANI	TTB	
BAY	COM7	FSMART	IVL	MINT	PG	S & J	SNC	THCOM	TTCL	
BBL	COMAN	GBX	JSP	MONO	PHOL	SAAM	SONIC	THG	TTW	
BCP	COTTO	GC	JWD	MOONG	PLANB	SABINA	SPALI	THIP	TU	
VERY GOOD LEVEL – Score range 80-89										
2S	ASIMAR	CHOW	FLOYD	IT	LOXLEY	OCC	RPC	SKY	TCC	TVT
7UP	ASK	CI	FN	ITD	LRH	OGC	RT	SLP	TCMC	TWP
ABICO	ASN	CIG	FNS	J	LST	PATO	RWI	SMIT	TEAM	UEC
ABM	ATP30	CMC	FORTH	JAS	M	PB	S11	SMT	TFG	UMI
ACE	B	COLOR	FSS	JCK	MATCH	PICO	SA	SNP	TFI	UOBKH
ACG	BA	CPL	FTE	JCKH	MBAX	PIMO	SAK	SO	TIGER	UP
ADB	BAM	CPW	FVC	JMART	MEGA	PJW	SALEE	SORKON	TITLE	UPF
AEONTS	BC	CRD	GEL	JMT	META	PL	SAMCO	SPA	TKN	UPOIC
AGE	BCH	CSC	GENCO	KBS	MFC	PM	SANKO	SPC	TKS	UTP
AHC	BEC	CSP	GJS	KCAR	MGT	PMTA	SAPPE	SPCG	TM	VCOM
AIT	BEYOND	CWT	GYT	KEX	MICRO	PPP	SAWAD	SR	TMC	VL
ALL	BFIT	DCC	HEMP	KGI	MILL	PPP	SCI	SRICHA	TMD	VPO
ALLA	BJC	DCON	HPT	KIAT	MITSIB	PRIME	SCN	SSC	TMI	VRANDA
ALUCON	BJCHI	DHOUSE	HTC	KISS	MK	PRIN	SCP	SSF	TMILL	WGE
AMANAH	BLA	DOD	HYDRO	KOOL	MODERN	PRINC	SE	STANLY	TNL	WIJK
AMARIN	BR	DOHOME	ICN	KTIS	MTI	PSG	SFLEX	STGT	TNP	WP
APCO	BROOK	DV8	IFS	KUMWEL	NBC	PSTC	SFP	STOWER	TOG	XO
APCS	CBG	EASON	IMH	KUN	NCAP	PT	SFT	STPI	TPA	XPG
APURE	CEN	EFORL	IND	KWC	NCH	QLT	SGF	SUC	TPAC	YUASA
AQUA	CGH	ERW	INET	KWM	NETBAY	RBF	SIAM	SWC	TPCS	
ASAP	CHARAN	ESSO	INSET	L&E	NEX	RCL	SINGER	SYNEX	TPS	
ASEFA	CHAYO	ESTAR	INSURE	LDC	NINE	RICHY	SKE	TAE	TRITN	
ASIA	CHG	ETE	IRC	LEO	NRF	RML	SKN	TAKUNI	TRT	
ASIAN	CHOTI	FE	IRCP	LHK	NTV	ROJNA	SKR	TBSP	TSE	
GOOD LEVEL – Score range 70-79										
A	BGT	CITY	GIFT	JTS	MDX	PK	SGP	SUPER	TQR	YGG
AI	BH	CMAN	GLOCON	JUBILE	MJD	PLE	SICT	SVOA	TTI	ZIGA
AIE	BIG	CMO	GREEN	KASET	MORE	PPM	SIMAT	TC	TYCN	
AJ	BLAND	CMR	GSC	KCM	MUD	PRAKIT	SISB	TCCC	UKEM	
ALPHAX	BM	CPT	GTB	KK	NC	PRAPAT	SK	THMUI	UMS	
AMC	BROCK	CRANE	HTECH	KKC	NDR	PRECHA	SMART	TNH	UNIQ	
APP	BSBM	CSR	HUMAN	KWI	NFC	PTL	SOLAR	TNR	UPA	
AQ	BSM	D	IHL	KYE	NNCL	RJH	SPACK	TOPP	UREKA	
ARIN	BTNC	EKH	IIG	LEE	NOVA	RP	SPG	TPCH	VIBHA	
AS	BYD	EMC	INGRS	LPH	NPK	RPH	SQ	TPIPL	W	
AU	CAZ	EP	INOX	MATI	NUSA	RSP	SSP	TIPIP	WIN	
B52	CCP	F&D	JAK	M-CHAI	PAF	SABUY	STARK	TPLAS	WORK	
BEAUTY	CGD	FMT	JR	MCS	PF	SF	STC	TPOLY	WPH	

Disclaimer:

The disclosure of the survey results of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey results may be changed after that date. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such survey results.

* CGR scoring should be considered with news regarding wrong doing of the company or director or executive of the company such unfair practice on securities trading, fraud, and corruption SEC imposed a civil sanction against insider trading of director and executive

Sources: Thai Institute of Directors Association (IOD); FSSIA's compilation; data as of 26 October 2021

Anti-corruption Progress Indicator

CERTIFIED										
2S	BCH	CPALL	GC	K	MFC	PE	QLT	SNP	THCOM	TU
7UP	BCP	CPF	GCAP	KASET	MFEC	PG	QTC	SORKON	THIP	TVD
ADVANC	BCPG	CPI	GEL	KBANK	MILL	PHOL	RATCH	SPACK	THRE	TVI
AF	BE8	CPN	GFPT	KBS	MINT	PK	RML	SPALI	THREL	TVO
AI	BEYOND	CSC	GGC	KCAR	MONO	PL	RWI	SPC	TIDLOR	TWPC
AIE	BGC	DCC	GJS	KCE	MOONG	PLANB	S & J	SPI	TIPCO	U
AIRA	BGRIM	DELTA	GPI	KGI	MSC	PLANET	SAAM	SPRC	TISCO	UBE
AKP	BJCHI	DEMCO	GPSC	KKP	MST	PLAT	SABINA	SRICHA	TKS	UBIS
ALPHAX	BKI	DIMET	GSTEEL	KSL	MTC	PM	SAPPE	SSF	TKT	UEC
AMA	BLA	DRT	GUNKUL	KTB	MTI	PPP	SAT	SSP	TMD	UKEM
AMANAHA	BPP	DTAC	HANA	KTC	NBC	PPPM	SC	SSSC	TMILL	UOBKH
AMATA	BROOK	DUSIT	HARN	KWC	NEP	PPS	SCB	SST	TMT	UPF
AMATAV	BRR	EA	HEMP	KWI	NINE	PR9	SCC	STA	TNITY	UV
AP	BSBM	EASTW	HENG	L&E	NKI	PREB	SCCC	STOWER	TNL	VGI
APCS	BTS	ECL	HMPRO	LANNA	NMG	PRG	SCG	SUSCO	TNP	VIH
AQUA	BWG	EGCO	HTC	LH	NNCL	PRINC	SCN	SVI	TNR	WACOAL
ARROW	CEN	EP	ICC	LHFG	NOBLE	PRM	SEAOIL	SYMC	TOG	WHA
AS	CENTEL	EPG	ICHI	LHK	NOK	PROS	SE-ED	SYNTEC	TOP	WHAUP
ASIAN	CFRESH	ERW	IFEC	LPN	NSI	PSH	SELIC	TAE	TOPP	WICE
ASK	CGH	ESTAR	IFS	LRH	NWR	PSL	SENA	TAKUNI	TPA	WIIK
ASP	CHEWA	ETE	ILINK	M	OCC	PSTC	SGP	TASCO	TPP	XO
AWC	CHOTI	FE	INET	MAKRO	OGC	PT	SINGER	TBSP	TRU	ZEN
AYUD	CHOW	FNS	INSURE	MALEE	ORI	PTG	SIRI	TCAP	TRUE	
B	CIG	FPI	INTUCH	MATCH	PAP	PTT	SITHAI	TCMC	TSC	
BAFS	CIMBT	FPT	IRC	MBAX	PATO	PTTEP	SKR	TFG	TSTE	
BAM	CM	FSMART	IRPC	MBK	PB	PTTGC	SMIT	TFI	TSTH	
BANPU	CMC	FSS	ITEL	MC	PCSGH	PYLON	SMK	TFMAMA	TTA	
BAY	COM7	FTE	IVL	MCOT	PDG	Q-CON	SMPC	TGH	TTB	
BBL	COTTO	GBX	JKN	META	PDJ	QH	SNC	THANI	TTCL	
DECLARED										
AJ	CHG	DDD	ETC	JR	MAJOR	NUSA	RS	SSS	TQM	YUASA
ALT	CPL	DHOUSE	FLOYD	JTS	NCAP	NYT	SAK	STECH	TSI	ZIGA
APCO	CPR	DOHOME	GULF	KEX	NCL	OR	SCGP	STGT	VARO	
B52	CPW	ECF	III	KUMWEL	NOVA	PIMO	SCM	TKN	VCOM	
BEC	CRC	EKH	INOX	LDC	NRF	PLE	SIS	TMI	VIBHA	

Level	
Certified	This level indicates practical participation with thoroughly examination in relation to the recommended procedures from the audit committee or the SEC's certified auditor, being a certified member of Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) or already passed examination to ensure independence from external parties.
Declared	This level indicates determination to participate in the Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC)

Disclaimer:

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of Thaipat Institute that is a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, FSS International Investment Advisory Company Limited does not confirm, verify, or certify the accuracy and completeness of the assessment results.

Note: Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of 26 October 2021) are categorised into: 1) companies that have declared their intention to join CAC, and; 2) companies certified by CAC.

Sources: The Securities and Exchange Commission, Thailand; * FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Siriluck Pinthusoonthorn FSS International Investment Advisory Securities Co., Ltd

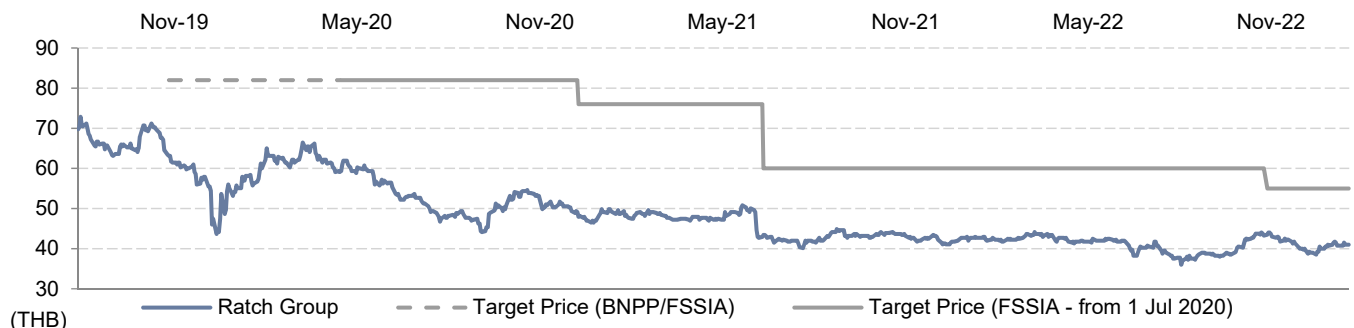
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History of change in investment rating and/or target price

Ratch Group (RATCH TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
04-Feb-2020	BUY	82.00	28-Jun-2021	BUY	60.00	-	-	-
20-Jan-2021	BUY	76.00	02-Sep-2022	BUY	55.00			

Siriluck Pinthusoonthorn started covering this stock from 26-Jun-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Ratch Group	RATCH TB	THB 41.00	BUY	The downside risks to our SoTP-based TP include 1) lower-than-expected demand for electricity in Thailand; 2) lower crude price; and 3) delays in starting new projects.

Source: FSSIA estimates

Additional Disclosures

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

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All share prices are as at market close on 14-Nov-2022 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

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

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

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

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

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

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

Industry Recommendations

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

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

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

Country (Strategy) Recommendations

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

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

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