

RATCH GROUP RATCH TB

THAILAND / UTILITIES

BUY

Lower share of profits hits 4Q22

- 4Q22 core net loss was THB86m, down from the THB2.5b profit in 3Q22, as share of profits plunged to THB54m (-98% q-q, -97% y-y).
- We expect RATCH's earnings growth to rise in 2023-25, backed by a higher utilisation rate for HPC and equity capacity growth.
- Maintain BUY and our SoTP-based TP of THB57.

TARGET PRICE	THB57.00
CLOSE	THB40.75
UP/DOWNSIDE	+39.9%
TP vs CONSENSUS	+22.1%

4Q22 hurt by lower contributions from HPC, SPPs, and hydro

RATCH reported a 4Q22 net loss (NL) of THB242m, down from the net profits (NPs) of THB2.2b in 3Q22 and THB2.2b in 4Q21. 4Q22 core NL was THB86m, down from the NPs of THB2.5b in 3Q22 and THB2.0b in 4Q21. Share of profits at THB54m plunged 98% q-q and 97% y-y, mainly due to the lower q-q utilisation rate for the Hongsa power plant (HPC) which underwent a maintenance shutdown. Key points: 1) equity NP from HPC of THB0.3b (including a THB0.8b FX gain) was down from THB1.3b in 3Q22; 2) a THB0.2b NL from its PNPC hydropower plant in Laos (including a THB0.2b FX loss), down from the NP of THB0.4b in 3Q22; 3) a THB53m equity loss from its coal-fired power plant in Vietnam and a lower share of profit at THB14m from its coal-fired power plant in Indonesia due to the higher coal price; and 4) the share of losses from two hydropower plants, Nam Ngum 2 and Xepian Xe-Namnoy, due to seasonality.

4Q22 revenue rose y-y on higher demand

RATCH's RG revenue rose 49% y-y in 4Q22 on higher energy payments, while revenue from RATCH-Australia (RAC) rose 21% y-y to THB1.2b due to the higher demand for its two wind farms, Yandin and Collector. RATCH Cogen (RCO) saw 39% higher y-y revenue due to higher demand. RATCH's small power producers saw mixed results in 4Q22, with NPs from Berkprai (+THB6m y-y) and RW Cogen (+THB9m y-y) partially offsetting the THB47m NL from Navanakorn Electricity.

Growth in the pipeline

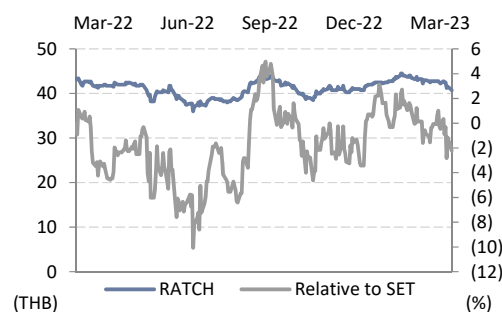
We expect RATCH's earnings to rise in 2023-25, premised on 1) a high utilisation rate estimated at 85%-90% for HPC; and 2) equity capacity growth from: RATCH Cogen expansion (31MW, 2023), Ecwin (15MW, 2023), Ren Korat (13MW, 2024), NNEG expansion (12MW, 2024), Nexif Ben Tre (60MW, 2024), and HKP in Thailand (785MW, 2024-25).

Maintain BUY and our SoTP-based TP of THB57

We maintain BUY and our SoTP-based TP of THB57. We think RATCH remains an attractive investment as a large-scale, IPP-driven company in Thailand with multiple growth projects.

KEY STOCK DATA

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	75,001	73,587	72,127	70,717
Net profit	5,782	10,149	11,012	10,470
EPS (THB)	3.99	7.00	7.59	7.22
vs Consensus (%)	-	76.9	70.8	58.1
EBITDA	6,002	11,973	12,299	10,542
Core net profit	5,812	10,149	11,012	10,470
Core EPS (THB)	4.01	7.00	7.59	7.22
Chg. In EPS est. (%)	nm	44.7	43.4	nm
EPS growth (%)	(23.7)	74.6	8.5	(4.9)
Core P/E (x)	10.2	5.8	5.4	5.6
Dividend yield (%)	5.3	5.3	5.3	5.3
EV/EBITDA (x)	17.4	8.7	8.3	9.5
Price/book (x)	0.6	0.6	0.5	0.5
Net debt/Equity (%)	33.5	31.1	27.4	24.0
ROE (%)	6.9	10.0	10.1	9.0



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(3.6)	(0.6)	(6.7)
Relative to country (%)	(0.6)	0.2	(3.0)
Mkt cap (USD m)	2,508		
3m avg. daily turnover (USD m)	6.0		
Free float (%)	43		
Major shareholder	EGAT (45%)		
12m high/low (THB)	44.75/35.75		
Issued shares (m)	2,175.00		

Sources: Bloomberg consensus; FSSIA estimates



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Exhibit 1: Summary of 4Q22/2022 operations

	4Q21	3Q22	4Q22			2021	2022	Change
	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	(y-y %)
Revenue	12,455	22,434	19,181	(14.5)	54.0	37,551	75,001	99.7
Operating costs	(11,234)	(20,892)	(18,368)	(12.1)	63.5	(30,976)	(66,250)	113.9
EBITDA	1,221	1,542	813	(47.3)	(33.4)	4,661	6,002	28.8
<i>EBITDA margin (%)</i>	9.8	6.9	4.2	<i>nm</i>	<i>nm</i>	12.4	8.0	<i>nm</i>
Depn & amort.	(604)	(820)	(769)	(6.3)	27.2	(2,140)	(3,037)	41.9
EBIT	616	721	45	(93.8)	(92.8)	2,521	2,965	17.6
Interest expense	(566)	(664)	(753)	13.5	33.0	(1,868)	(2,977)	59.3
Interest & invt inc	48.1	136.3	248.9	82.6	417.7	411.6	469.5	14.0
Other income	445.7	225.9	424.1	87.7	(4.8)	827.3	794.2	(4.0)
Associates' contrib	1,584.4	2,228.6	53.8	(97.6)	(96.6)	5,902.4	5,391.2	(8.7)
Exceptional	160	(267)	(155)	(41.7)	<i>nm</i>	206	(30)	<i>nm</i>
Pretax profit	2,288	2,382	(137)	<i>nm</i>	<i>nm</i>	8,000	6,614	(17.3)
Tax	(114)	(105)	(98)	(6.8)	(14.3)	(177)	(937)	429.1
<i>Tax rate (%)</i>	5.0	4.4	(71.2)	<i>nm</i>	<i>nm</i>	2.2	14.2	<i>nm</i>
Minority interests	(4.1)	(28.6)	(6.5)	(77.1)	58.4	(4.1)	105.9	<i>nm</i>
Net profit	2,170	2,248	(242)	<i>nm</i>	<i>nm</i>	7,819	5,782	(26.0)
Non-recurring	160	(267)	(155)	(41.7)	(197.2)	206	(30)	<i>nm</i>
Core net profit	2,010	2,515	(86)	<i>nm</i>	<i>nm</i>	7,613	5,812	(23.7)
EPS (THB)	1.50	1.55	(0.17)	<i>nm</i>	<i>nm</i>	5.39	3.99	(26.0)
Core EPS (THB)	1.39	1.73	(0.06)	<i>nm</i>	<i>nm</i>	5.25	4.01	(23.7)

Sources: RATCH; FSSIA estimates

Exhibit 2: 4Q22/2022 – key performance

	4Q21	3Q22	4Q22	Change		2021	2022	Change
	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y%)	(THB m)	(THB m)	(y-y%)
Revenue from sales and rendering of services	14,945	26,151	18,400	(29.6)	23.1	47,082	82,664	75.6
RG	9,951.8	17,526.5	14,786.8	(15.6)	48.6	28,992.4	57,426.9	98.1
RAC	956.0	1,437.7	1,157.0	(19.5)	21.0	3,734.4	5,016.7	34.3
RCO	661.4	1,011.3	917.9	(9.2)	38.8	2,219.4	3,517.8	58.5
SCG	0.0	1,613.3	1,540.8	(4.5)	<i>nm</i>	239.4	5,740.5	2,297.8
Others	(5.5)	52.5	(145.1)	<i>nm</i>	<i>nm</i>	46.0	180.1	291.8
Share of profits from associates and joint ventures	1,604	2,229	54	(97.6)	(96.6)	5,902	5,391	(8.7)
IPPs	880.9	1,505.3	269.5	(82.1)	(69.4)	3,828.6	3,962.0	3.5
SPPs	56.2	99.2	(117.7)	<i>nm</i>	<i>nm</i>	435.8	354.3	(18.7)
Hydropower plants	411.3	556.2	(138.4)	<i>nm</i>	<i>nm</i>	1,093.0	707.1	(35.3)
Renewable	197.5	42.3	12.7	(69.9)	(93.6)	427.8	228.1	(46.7)
Infrastructure and others	57.5	25.6	27.7	8.3	(51.8)	117.3	139.7	19.1

Sources: RATCH; FSSIA estimates

Financial Statements

Ratch Group

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Revenue	37,551	75,001	73,587	72,127	70,717
Cost of goods sold	(30,976)	(66,250)	(59,406)	(57,664)	(57,346)
Gross profit	6,575	8,751	14,181	14,462	13,371
Other operating income	-	-	-	-	-
Operating costs	(1,914)	(2,749)	(2,208)	(2,164)	(2,829)
Operating EBITDA	4,661	6,002	11,973	12,299	10,542
Depreciation	(2,140)	(3,037)	(1,863)	(1,863)	(1,863)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	2,521	2,965	10,110	10,435	8,679
Net financing costs	(1,456)	(2,507)	(4,537)	(4,620)	(3,589)
Associates	5,902	5,391	5,108	5,437	5,430
Recurring non-operating income	6,730	6,185	5,981	6,398	6,487
Non-recurring items	206	(30)	0	0	0
Profit before tax	8,000	6,614	11,554	12,213	11,577
Tax	(177)	(937)	(1,287)	(1,082)	(988)
Profit after tax	7,823	5,676	10,268	11,131	10,589
Minority interests	(4)	106	(119)	(119)	(119)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	7,819	5,782	10,149	11,012	10,470
Non-recurring items & goodwill (net)	(206)	30	0	0	0
Recurring net profit	7,613	5,812	10,149	11,012	10,470
Per share (THB)					
Recurring EPS *	5.25	4.01	7.00	7.59	7.22
Reported EPS	5.39	3.99	7.00	7.59	7.22
DPS	2.50	2.15	2.15	2.15	2.15
Diluted shares (used to calculate per share data)	1,450	1,450	1,450	1,450	1,450
Growth					
Revenue (%)	8.9	99.7	(1.9)	(2.0)	(2.0)
Operating EBITDA (%)	11.5	28.8	99.5	2.7	(14.3)
Operating EBIT (%)	7.4	17.6	240.9	3.2	(16.8)
Recurring EPS (%)	27.3	(23.7)	74.6	8.5	(4.9)
Reported EPS (%)	24.4	(26.0)	75.5	8.5	(4.9)
Operating performance					
Gross margin inc. depreciation (%)	11.8	7.6	16.7	17.5	16.3
Gross margin of key business (%)	11.8	7.6	16.7	17.5	16.3
Operating EBITDA margin (%)	12.4	8.0	16.3	17.1	14.9
Operating EBIT margin (%)	6.7	4.0	13.7	14.5	12.3
Net margin (%)	20.3	7.7	13.8	15.3	14.8
Effective tax rate (%)	8.4	76.7	20.0	16.0	16.1
Dividend payout on recurring profit (%)	47.6	53.6	30.7	28.3	29.8
Interest cover (X)	6.4	3.6	3.5	3.6	4.2
Inventory days	21.7	10.6	11.3	10.9	10.7
Debtor days	67.6	49.8	59.0	63.8	67.0
Creditor days	66.7	53.0	67.5	64.7	64.0
Operating ROIC (%)	5.0	4.7	12.8	12.0	(2.3)
ROIC (%)	6.2	4.6	7.0	7.0	(1.5)
ROE (%)	11.6	6.9	10.0	10.1	9.0
ROA (%)	6.6	4.0	5.6	5.6	3.8
* Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Domestic electricity generating	28,670	66,120	64,706	63,246	61,833
International power projects	2,456	2,456	2,456	2,456	2,457
Revenue from finance lease contracts	6,174	6,174	6,174	6,174	6,175
Others	251	251	251	251	252

Sources: Ratch Group; FSSIA estimates

Financial Statements

Ratch Group

Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Recurring net profit	7,613	5,812	10,149	11,012	10,470
Depreciation	2,140	3,037	1,863	1,863	1,863
Associates & minorities	5,902	5,391	5,108	5,437	5,430
Other non-cash items	-	-	-	-	-
Change in working capital	2,177	(1,115)	(1,630)	(870)	54
Cash flow from operations	17,833	13,125	15,490	17,441	17,818
Capex - maintenance	(2,140)	(3,037)	(1,863)	(1,863)	(1,863)
Capex - new investment	(6,748)	(16,110)	(5,137)	(5,137)	(5,137)
Net acquisitions & disposals	(10,032)	(10,298)	0	0	0
Other investments (net)	(11,418)	(5,263)	5,108	5,437	5,430
Cash flow from investing	(30,339)	(34,708)	(1,892)	(1,563)	(1,570)
Dividends paid	(3,253)	(3,252)	(3,118)	(3,118)	(3,118)
Equity finance	0	0	0	0	0
Debt finance	16,466	35,564	30,000	(10,000)	(10,000)
Other financing cash flows	1,397	16,650	(10,096)	(10,755)	(10,742)
Cash flow from financing	14,611	48,962	16,786	(23,872)	(23,859)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	2,105	27,380	30,384	(7,994)	(7,611)
Free cash flow to firm (FCFF)	(10,637.92)	(18,605.82)	18,718.40	21,598.69	21,368.97
Free cash flow to equity (FCFE)	5,357.19	30,631.42	33,501.47	(4,876.71)	(4,493.46)

Per share (THB)

FCFF per share	(4.89)	(8.55)	8.61	9.93	9.82
FCFE per share	2.46	14.08	15.40	(2.24)	(2.07)
Recurring cash flow per share	10.80	9.82	11.81	12.63	12.25

Balance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Tangible fixed assets (gross)	60,890	73,608	80,608	87,608	94,608
Less: Accumulated depreciation	(24,663)	(21,270)	(23,133)	(24,996)	(26,860)
Tangible fixed assets (net)	36,228	52,338	57,475	62,611	67,748
Intangible fixed assets (net)	4,708	19,515	19,515	19,515	19,515
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	51,067	61,365	61,365	61,365	61,365
Cash & equivalents	6,961	34,341	64,725	56,731	49,120
A/C receivable	8,934	11,518	12,254	12,975	12,975
Inventories	1,902	1,946	1,745	1,694	1,684
Other current assets	7,518	7,680	7,535	7,385	7,241
Current assets	25,316	55,484	86,258	78,784	71,020
Other assets	37,537	40,876	40,876	40,876	40,876
Total assets	154,855	229,578	265,489	263,152	260,525
Common equity	70,290	98,029	105,060	112,954	120,307
Minorities etc.	7,520	9,375	9,494	9,612	9,732
Total shareholders' equity	77,810	107,403	114,554	122,567	130,039
Long term debt	26,745	55,080	85,080	75,080	65,080
Other long-term liabilities	30,031	37,922	37,922	37,922	37,922
Long-term liabilities	56,776	93,002	123,002	113,002	103,002
A/C payable	7,677	11,577	10,381	10,077	10,021
Short term debt	8,035	15,265	15,265	15,265	15,265
Other current liabilities	4,558	2,331	2,287	2,242	2,198
Current liabilities	20,270	29,173	27,933	27,584	27,484
Total liabilities and shareholders' equity	154,855	229,578	265,489	263,152	260,525
Net working capital	6,120	7,235	8,865	9,735	9,681
Invested capital	135,659	181,329	188,095	194,103	199,185

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

Per share (THB)

Book value per share	48.48	67.61	72.46	77.90	82.97
Tangible book value per share	45.23	54.15	59.00	64.44	69.51

Financial strength

Net debt/equity (%)	35.8	33.5	31.1	27.4	24.0
Net debt/total assets (%)	18.0	15.7	13.4	12.8	12.0
Current ratio (x)	1.2	1.9	3.1	2.9	2.6
CF interest cover (x)	9.3	19.6	9.5	1.1	1.2

Valuation	2021	2022	2023E	2024E	2025E
Recurring P/E (x) *	7.8	10.2	5.8	5.4	5.6
Recurring P/E @ target price (x) *	10.9	14.2	8.1	7.5	7.9
Reported P/E (x)	7.6	10.2	5.8	5.4	5.6
Dividend yield (%)	6.1	5.3	5.3	5.3	5.3
Price/book (x)	0.8	0.6	0.6	0.5	0.5
Price/tangible book (x)	0.9	0.8	0.7	0.6	0.6
EV/EBITDA (x) **	20.3	17.4	8.7	8.3	9.5
EV/EBITDA @ target price (x) **	25.3	21.3	10.7	10.2	11.7
EV/invested capital (x)	0.7	0.6	0.6	0.5	0.5

* 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	BPCG	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	PSH	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	PPPM	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	JTIS	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	TPIPP	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

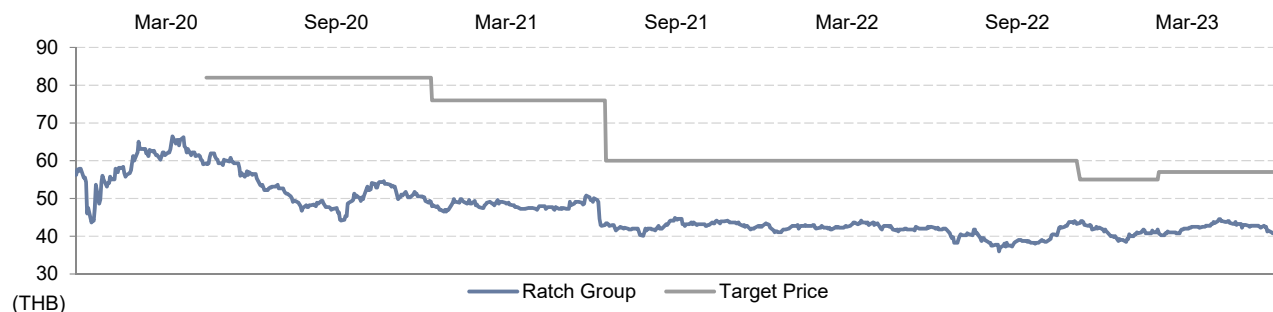
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History of change in investment rating and/or target price

Ratch Group (RATCH TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
26-Jun-2020	BUY	82.00	28-Jun-2021	BUY	60.00	15-Nov-2022	BUY	57.00
20-Jan-2021	BUY	76.00	02-Sep-2022	BUY	55.00			

Siriluck Pinthusoonthorn started covering this stock from 15-Nov-2022

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Ratch Group	RATCH TB	THB 40.75	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 28-Feb-2023 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

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

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

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

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

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

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

Industry Recommendations

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

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

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

Country (Strategy) Recommendations

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

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

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