

IRPC PCL

IRPC TB

THAILAND / OIL & GAS

HOLD

In-line 2Q22 results

- IRPC posted a 2Q22 NP of THB3.8b (+155% q-q but -16% y-y) due to a larger-than-expected hedging loss of THB5.3b.
- We project a weaker NP in 2H22, dragged down by 1) lower earnings from olefins and aromatics and 2) a q-q lower GRM.
- Maintain HOLD and our TP of THB3.2.

TARGET PRICE	THB3.20
CLOSE	THB3.42
UP/DOWNSIDE	-6.4%
TP vs CONSENSUS	-13.9%

Solid GRM drove 2Q22 results

IRPC posted a 2Q22 net profit (NP) of THB3.8b, up 155% q-q but down 16% y-y, missing our estimate by 2% and the BBG consensus by 12% due to a larger-than-expected hedging loss of THB5.3b. Excluding an after-tax non-recurring loss of THB2.1b, IRPC's 2Q22 core NP was THB5.9b due to the higher margins for its refinery unit. IRPC's one-time pre-tax loss of THB2.1b comprised a THB4b inventory gain, a THB5.3b oil hedging loss, a THB162m derivative loss, an unrealised hedging loss of THB548m, a THB280m FX loss, and a THB179m investment gain. The refinery utilisation rate was at 92% in 2Q22, up from 90% in 1Q22, due to the higher product margins.

Weak petrochemical margins continued in 2Q22

The market gross integrated margin (GIM) jumped to USD20.5/bbl in 2Q22, up 189% q-q and 30% y-y. Key drivers were: 1) a higher market gross refining margin (GRM) of USD15.7/bbl, up 274% q-q due to higher product margins; 2) a high lube margin at USD0.7/bbl (+230% q-q) due to the lower feedstock cost; and 3) a softer q-q petrochemical group margin. The olefins GIM was USD1.7/bbl in 2Q22 (-57% y-y, +132% q-q) due to the weak polyethylene-naphtha and polypropylene-naphtha margins, while the aromatics GIM was at USD1.3/bbl, up 30% q-q due to higher styrene-naphtha (+31% q-q) and polystyrene (-+3% q-q) margins which offset the weaker ABS-naphtha (-6% q-q) margin.

Weaker outlook ahead

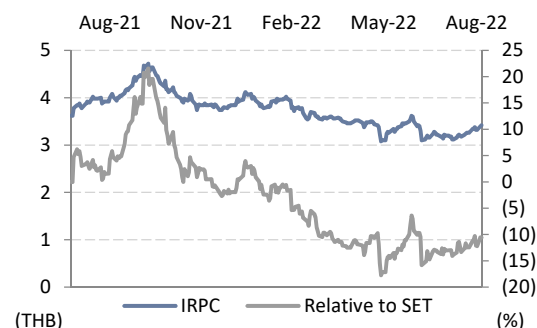
We project a weaker NP in 2H22, dragged down by 1) lower earnings from olefins and aromatics, due to weak demand; and 2) a q-q lower GRM in 3Q22, due to lower product margins. The crude premium cost is projected to rise in 3Q22 led by the rising crude premium for Saudi Arabian crude.

Maintain HOLD; Chemical weakness remains a key concern

We maintain HOLD and our TP of THB3.2. We expect a weaker GRM and poor chemical margins to drag down its net profit in 2H22, even with the potential offset of lower hedging losses. In the Thai petrochemical sector, we prefer Indorama Ventures (IVL TB, BUY, TP THB65) as our top pick for its strong and visible earnings growth in 2022-24.

KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	255,115	369,141	344,400	343,273
Net profit	14,505	7,301	13,273	12,467
EPS (THB)	0.71	0.36	0.65	0.61
vs Consensus (%)	-	21.2	150.0	90.0
EBITDA	26,935	27,124	24,364	23,668
Core net profit	16,447	7,301	13,273	12,467
Core EPS (THB)	0.80	0.36	0.65	0.61
EPS growth (%)	nm	(55.6)	81.8	(6.1)
Core P/E (x)	4.2	9.6	5.3	5.6
Dividend yield (%)	9.6	5.2	9.5	8.9
EV/EBITDA (x)	4.5	4.9	5.2	5.3
Price/book (x)	0.8	0.8	0.7	0.7
Net debt/Equity (%)	56.8	70.6	59.2	55.5
ROE (%)	20.2	8.4	14.6	12.9



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	6.9	0.0	(3.4)
Relative to country (%)	2.9	(0.9)	(8.1)
Mkt cap (USD m)	1,974		
3m avg. daily turnover (USD m)	7.8		
Free float (%)	52		
Major shareholder	PTT Plc. (48%)		
12m high/low (THB)	4.76/3.06		
Issued shares (m)	20,434.42		

Sources: Bloomberg consensus; FSSIA estimates



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Exhibit 1: Summary of 2Q22/6M22 operations

	2Q21 (THB m)	1Q22 (THB m)	2Q22			6M21 (THB m)	6M22 (THB m)	Chg. (y-y %)	2022E (THB m)
			(THB m)	(q-q %)	(y-y %)				
Revenue	62,003	79,432	98,951	24.6	59.6	115,653	178,383	54.2	369,141
Operating costs	(53,108)	(72,832)	(90,930)	24.8	71.2	(97,975)	(163,762)	67.1	(332,197)
EBITDA	8,895	6,600	8,021	21.5	(9.8)	17,678	14,621	(17.3)	27,124
EBITDA margin (%)	14.3	8.3	8.1	nm	nm	15.3	8.2	nm	7.3
Depreciation & amor	(2,209)	(2,008)	(2,015)	0.4	(8.8)	(4,389)	(4,023)	(8.3)	(8,839)
EBIT	6,686	4,592	6,006	30.8	(10.2)	13,289	10,598	(20.3)	18,286
Interest expense	(441)	(398)	(449)	12.8	1.8	(886)	(848)	(4.3)	(1,961)
Interest & invt inc	535	258	436	68.9	(18.5)	1,240	694	nm	0
Associates' contr	186	129	174	34.8	(6.3)	342	303	(11.2)	713
Exceptional	(1,781)	(2,739)	(1,405)	(48.7)	(21.1)	(2,237)	(4,143)	nm	0
Pretax profit	5,184	1,842	4,762	158.5	(8.1)	11,748	6,604	(43.8)	8,316
Tax	(600)	(338)	(927)	174.6	54.5	(1,572)	(1,265)	(19.6)	(987)
Tax rate (%)	11.6	18.3	19.5	nm	nm	13.4	19.2	nm	11.9
Minority interests	(10)	(3)	(2)	(52.4)	(84.4)	(20)	(5)	(76.5)	(28)
Net profit	4,574	1,501	3,833	155.4	(16.2)	10,155	5,334	(47.5)	7,301
Non-recurring	1,800	2,609	(2,079)	nm	nm	1,412	530	nm	
Core profit	2,774	(1,108)	5,912	nm	113.1	8,744	4,804	(45.1)	7,301
EPS (THB)	0.22	0.07	0.19	155.4	(16.2)	0.50	0.26	(47.5)	0.36
Core EPS (THB)	0.14	(0.05)	0.29	nm	113.1	0.43	0.24	(45.1)	0.36

Sources: IRPC; FSSIA estimates

Exhibit 2: 2Q22/6M22 quarterly performance

	2Q21 (%)	1Q22 (%)	2Q22 (%)	Change		6M21 (%)	6M22 (%)	Change
				(q-q %)	(y-y %)			(y-y %)
Utilisation rate*								
Refinery	90	90	92	2.0	2.0	88	91	3.0
RDCC	119	102	120	18.0	1.0	116	111	(5.0)
Lube-based oil	90	81	83	2.0	(7.0)	86	82	(4.0)
Olefins	95	93	87	(6.0)	(8.0)	92	90	(2.0)
Aromatics and Styrenics	93	108	96	(12.0)	3.0	97	102	5.0
Electricity	76	69	66	(3.0)	(10.0)	75	68	(7.0)
Steam	64	61	61	0.0	(3.0)	62	61	(1.0)
	(USD/bbl)	(USD/bbl)	(USD/bbl)	(q-q %)	(y-y %)	(USD/bbl)	(USD/bbl)	(y-y %)
Market GIM	15.8	7.1	20.5	189.0	29.5	14.7	13.9	(6.0)
Refinery	2.7	4.2	15.7	273.5	479.6	2.7	10.1	276.6
Lube-based oil	4.5	0.2	0.7	230.0	(85.3)	3.5	0.4	(87.6)
Olefins	3.8	0.71	1.65	132.4	(56.6)	3.8	1.2	(68.9)
Aromatics and Styrenics	3.4	1.02	1.33	30.4	(60.9)	3.4	1.2	(65.1)
Utilities	1.4	0.96	1.17	21.9	(16.4)	1.3	0.9	(29.5)
Stock Gain/(Loss) & LCM	6.0	11.12	6.01	(46.0)	0.0	7.8	8.7	10.9
Hedging	0.3	(1.2)	0.3	nm	0.0	0.2	(4.9)	nm
Accounting GIM	22.1	17.05	26.76	57.0	21.1	22.7	17.6	(22.6)

*Note: Change in margin % is represented in ppt change

Sources: IRPC; FSSIA estimates

Exhibit 3: 2Q22/6M22 quarterly information

Quarterly information	2Q21	1Q22	2Q22	Chg. (q-q %)	Chg. (y-y %)	6M21	6M22	Chg. (y-y %)
Crude intake (m bbl)	17.65	17.46	18.03	3.3	2.2	34.39	35.48	3.2
Sales volume (THB m)	62,003	79,432	98,951	24.6	59.6	115,653	178,383	54.2
Net sales (THB m)	56,858	76,608	99,395	29.7	74.8	105,246	176,003	67.2
Market GIM (THB m)	8,727	4,105	12,562	206.0	43.9	15,692	16,667	6.2
Market GIM (USD/bbl)	15.68	7.08	20.15	184.6	28.5	14.73	13.85	(6.0)
Accounting GIM (THB m)	12,234	9,891	11,264	13.9	(7.9)	24,201	21,155	(12.6)
Accounting GIM (USD/bbl)	21.98	17.05	18.07	6.0	(17.8)	22.72	17.58	(22.6)
EBITDA (THB m)	8,895	6,600	8,021	21.5	(9.8)	17,678	14,621	(17.3)
Net profit (THB m)	4,574	1,501	3,833	155.4	(16.2)	10,155	5,334	(47.5)

Sources: IRPC; FSSIA estimates

Financial Statements

IRPC PCL

Profit and Loss (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Revenue	174,463	255,115	369,141	344,400	343,273
Cost of goods sold	(165,539)	(220,402)	(332,197)	(310,394)	(309,993)
Gross profit	8,924	34,712	36,943	34,007	33,279
Other operating income	-	-	-	-	-
Operating costs	(7,093)	(7,778)	(9,819)	(9,643)	(9,612)
Operating EBITDA	1,831	26,935	27,124	24,364	23,668
Depreciation	(8,952)	(8,587)	(8,839)	(9,254)	(9,581)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	(7,121)	18,348	18,286	15,110	14,086
Net financing costs	(1,902)	(1,743)	(1,961)	(2,152)	(2,055)
Associates	333	713	713	713	713
Recurring non-operating income	1,339	2,221	(8,009)	2,221	2,221
Non-recurring items	0	(1,942)	0	0	0
Profit before tax	(7,684)	16,884	8,316	15,179	14,252
Tax	1,554	(2,351)	(987)	(1,878)	(1,758)
Profit after tax	(6,130)	14,533	7,329	13,301	12,495
Minority interests	(22)	(28)	(28)	(28)	(28)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	(6,152)	14,505	7,301	13,273	12,467
Non-recurring items & goodwill (net)	0	1,942	0	0	0
Recurring net profit	(6,152)	16,447	7,301	13,273	12,467
Per share (THB)					
Recurring EPS *	(0.30)	0.80	0.36	0.65	0.61
Reported EPS	(0.30)	0.71	0.36	0.65	0.61
DPS	0.06	0.33	0.18	0.32	0.31
Diluted shares (used to calculate per share data)	20,434	20,434	20,434	20,434	20,434
Growth					
Revenue (%)	(27.1)	46.2	44.7	(6.7)	(0.3)
Operating EBITDA (%)	(56.7)	1,371.2	0.7	(10.2)	(2.9)
Operating EBIT (%)	nm	nm	(0.3)	(17.4)	(6.8)
Recurring EPS (%)	nm	nm	(55.6)	81.8	(6.1)
Reported EPS (%)	nm	nm	(49.7)	81.8	(6.1)
Operating performance					
Gross margin inc. depreciation (%)	0.0	10.2	7.6	7.2	6.9
Gross margin of key business (%)	0.0	10.2	7.6	7.2	6.9
Operating EBITDA margin (%)	1.0	10.6	7.3	7.1	6.9
Operating EBIT margin (%)	(4.1)	7.2	5.0	4.4	4.1
Net margin (%)	(3.5)	6.4	2.0	3.9	3.6
Effective tax rate (%)	19.4	13.0	13.0	13.0	13.0
Dividend payout on recurring profit (%)	(19.9)	41.0	50.0	50.0	50.0
Interest cover (X)	(3.0)	11.8	5.2	8.1	7.9
Inventory days	52.0	45.5	46.5	57.9	56.0
Debtor days	20.6	16.7	16.6	24.0	30.0
Creditor days	53.9	43.6	39.5	49.1	47.5
Operating ROIC (%)	(4.6)	11.9	11.0	8.6	7.9
ROIC (%)	(3.3)	11.9	5.6	9.0	8.3
ROE (%)	(7.7)	20.2	8.4	14.6	12.9
ROA (%)	(2.6)	9.8	4.4	7.1	6.6

* Pre exceptional, pre-goodwill and fully diluted

Revenue by Division (THB m)	2020	2021	2022E	2023E	2024E
Petroleum products	145,248	216,711	344,978	315,081	311,274
Petrochemical products	47,726	85,695	99,097	97,843	99,741
Other business	(18,511)	(47,292)	(74,934)	(68,523)	(67,742)

Sources: IRPC PCL; FSSIA estimates

Financial Statements

IRPC PCL

Cash Flow (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Recurring net profit	(6,152)	16,447	7,301	13,273	12,467
Depreciation	8,952	8,587	8,839	9,254	9,581
Associates & minorities	333	713	713	713	713
Other non-cash items	-	-	-	-	-
Change in working capital	6,198	(15,210)	(8,659)	(5,099)	(5,587)
Cash flow from operations	9,331	10,536	8,192	18,140	17,173
Capex - maintenance	(4,672)	(4,697)	(4,835)	(5,062)	(5,241)
Capex - new investment	(2,994)	(2,350)	(5,602)	(1,695)	(1,520)
Net acquisitions & disposals	1,241	(610)	0	0	0
Other investments (net)	(2,920)	(1,721)	(11,705)	(1,523)	(1,523)
Cash flow from investing	(9,345)	(9,378)	(22,142)	(8,280)	(8,284)
Dividends paid	(2,043)	(1,226)	(6,743)	(3,650)	(6,636)
Equity finance	0	0	0	0	0
Debt finance	2,960	(852)	2,000	0	(5,000)
Other financing cash flows	4,913	3,305	9,108	(1,095)	(1,091)
Cash flow from financing	5,829	1,227	4,365	(4,745)	(12,727)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	5,815	2,384	(9,584)	5,115	(3,838)
Free cash flow to firm (FCFF)	1,887.39	2,900.20	(11,988.60)	12,012.44	10,944.32
Free cash flow to equity (FCFE)	7,858.38	3,610.44	(2,841.07)	8,765.72	2,798.47

Per share (THB)

FCFF per share	0.09	0.14	(0.59)	0.59	0.54
FCFE per share	0.38	0.18	(0.14)	0.43	0.14
Recurring cash flow per share	0.15	1.26	0.82	1.14	1.11

Balance Sheet (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Tangible fixed assets (gross)	204,132	206,824	217,822	224,989	232,156
Less: Accumulated depreciation	(89,581)	(97,757)	(106,595)	(115,849)	(125,430)
Tangible fixed assets (net)	114,551	109,067	111,227	109,140	106,726
Intangible fixed assets (net)	774	761	761	761	761
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	8,684	9,294	9,294	9,294	9,294
Cash & equivalents	8,851	11,236	1,652	6,767	2,930
A/C receivable	9,626	13,785	19,804	25,419	31,016
Inventories	21,169	33,766	50,893	47,553	47,492
Other current assets	3,725	8,413	12,173	11,357	11,320
Current assets	43,371	67,200	84,522	91,096	92,757
Other assets	6,111	4,170	4,170	4,170	4,170
Total assets	173,491	190,492	209,973	214,461	213,708
Common equity	75,526	87,496	86,702	94,802	99,109
Minorities etc.	140	217	245	273	301
Total shareholders' equity	75,666	87,712	86,947	95,075	99,410
Long term debt	48,597	50,494	45,494	45,494	40,494
Other long-term liabilities	5,169	4,743	4,743	4,743	4,743
Long-term liabilities	53,766	55,237	50,237	50,237	45,237
A/C payable	23,983	28,671	43,214	40,378	40,326
Short term debt	13,335	10,585	17,585	17,585	17,585
Other current liabilities	6,741	8,287	11,991	11,187	11,150
Current liabilities	44,059	47,543	72,789	69,149	69,061
Total liabilities and shareholders' equity	173,491	190,492	209,973	214,461	213,708
Net working capital	3,796	19,006	27,666	32,765	38,352
Invested capital	133,916	142,298	153,117	156,129	159,302

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

Per share (THB)

Book value per share	3.70	4.28	4.24	4.64	4.85
Tangible book value per share	3.66	4.24	4.21	4.60	4.81

Financial strength

Net debt/equity (%)	70.2	56.8	70.6	59.2	55.5
Net debt/total assets (%)	30.6	26.2	29.3	26.3	25.8
Current ratio (x)	1.0	1.4	1.2	1.3	1.3
CF interest cover (x)	6.7	4.4	2.4	5.9	3.1

Valuation	2020	2021	2022E	2023E	2024E
Recurring P/E (x) *	(11.4)	4.2	9.6	5.3	5.6
Recurring P/E @ target price (x) *	(10.6)	4.0	9.0	4.9	5.2
Reported P/E (x)	(11.4)	4.8	9.6	5.3	5.6
Dividend yield (%)	1.8	9.6	5.2	9.5	8.9
Price/book (x)	0.9	0.8	0.8	0.7	0.7
Price/tangible book (x)	0.9	0.8	0.8	0.7	0.7
EV/EBITDA (x) **	67.2	4.5	4.9	5.2	5.3
EV/EBITDA @ target price (x) **	64.8	4.3	4.7	5.0	5.1
EV/invested capital (x)	0.9	0.8	0.9	0.8	0.8

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

Sources: IRPC PCL; 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	BDM5	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	SEAOL	SYMC	TQM	WHA
AP	CENEL	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	MTSIB	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	UNIQU	
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	TIPIPP	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	SEA OIL	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	WIJK
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

Suwat Sinsadok, CFA, FRM, ERP FSS International Investment Advisory Securities Co., Ltd

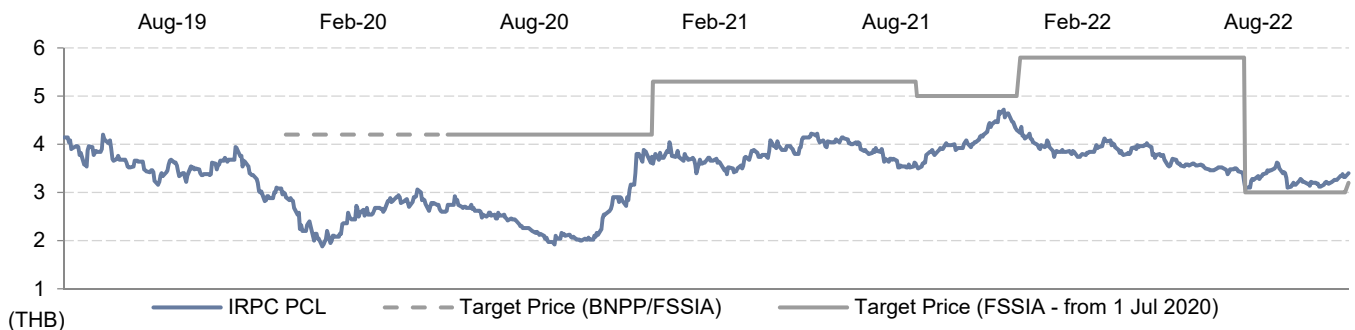
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed herein.

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History of change in investment rating and/or target price

IRPC PCL (IRPC TB)



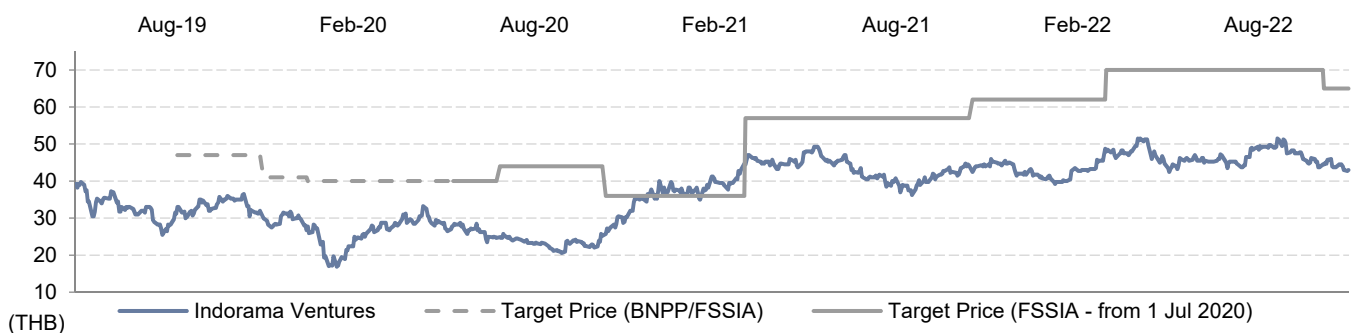
Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
14-Feb-2020	BUY	4.20	04-Aug-2021	BUY	5.00	11-May-2022	REDUCE	3.00
22-Dec-2020	BUY	5.30	29-Oct-2021	BUY	5.80	05-Aug-2022	HOLD	3.20

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 08-May-2020

Price and TP are in local currency

Source: FSSIA estimates

Indorama Ventures (IVL TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
07-Nov-2019	BUY	47.00	07-Aug-2020	BUY	44.00	17-Sep-2021	BUY	62.00
20-Jan-2020	BUY	41.00	06-Nov-2020	BUY	36.00	12-Jan-2022	BUY	70.00
27-Feb-2020	BUY	40.00	08-Mar-2021	BUY	57.00	18-Jul-2022	BUY	65.00

Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 09-Jun-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
IRPC PCL	IRPC TB	THB 3.42	HOLD	Key upside risks to our neutral view and EV/EBITDA-based target price are rising margins of PP-naphtha, SM and ABS-benzene, and a higher market GRM, while downside risks are weak demand for refinery and petrochemical products and a higher naphtha price.
Indorama Ventures	IVL TB	THB 43.00	BUY	The key downside risks to our EV/EBITDA-based TP are weaker-than-expected margins for PX-PTA and PET-PTA, lower demand for polyester, and delays in IVL's 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

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

All share prices are as at market close on 09-Aug-2022 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as (target price* - current price) / 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.