

# Thailand Refinery

# Rethinking refiners after the sell off

- We now think the downsides for Thai refiners are mostly priced in, particularly for the two refiners with US parent companies, SPRC and ESSO.
- We think the four government-owned refiners TOP, IRPC, PTTGC, BCP will have to comply with the government's request and subsidise fuel prices for three months.
- SPRC and ESSO are our top picks given their strong and visible earnings growth.

## Windfall regulatory risk led to freefall in refiners' share prices

After Thai refinery company share prices collapsed by 15-25% within five days last week as a result of the government's demand that they subsidise fuel prices by up to THB8.5b a month from Jul-Sep 2022, we now think the downsides are mostly priced in, particularly for the two refiners with US parent companies – SPRC, which is owned by Chevron, and ESSO, owned by ExxonMobil. Given the closing share prices of Thai refiners on 20 Jun-22, we believe their values are now attractive, and estimate the discounts to their replacement values from largest to smallest at 58% for IRPC, 52% for ESSO, 50% for TOP, 37% for BCP, 33% for PTTGC, and 20% for SPRC.

# Dual gasoline plays - SPRC and ESSO - are more favorable

We see potential upsides for the share prices of SPRC and ESSO, given 1) the low possibility that the two US-owned refiners will comply with the government's subsidy requests due to the government's lack of legal standing to enforce it; 2) their strong earnings outlook for 2Q22-4Q22, backed by their high market GRMs of over USD15/bbl, their low cost structures, higher gasoline yield than local peers, and greater upsides for higher utilisation rates; and 3) no hedging losses vs the expected large hedging losses for refiners owned by PTT group (TOP, IRPC, and PTTGC) and the government (BCP).

## Problematic four - TOP, PTTGC, IRPC, BCP - face cloudy 3Q22 net profit outlook

We think the four government-owned refiners – TOP, IRPC, PTTGC, BCP – will have to comply with the government's request and subsidise fuel prices at an aggregate amount of THB6-8.5b per month for three months. With additional hedging losses based on their 30-50% hedging policy, we estimate that their 3Q22 operating net profits will be diluted by 20-60%, with downsides ranging from the highest to the lowest: TOP (60%), PTTGC (50%), IRPC (40%), and BCP (20%).

## SPRC, ESSO stand out with lower-than-peers subsidy costs and hedging losses

We prefer SPRC and ESSO as our two top picks in the Thai refinery sector. Given their lack of hedging losses and strong earnings growth visibility in 2Q22, which we estimate to be THB5.2b for SPRC and THB5.9b for ESSO in 1Q22, their core net profits from the q-q higher market GRMs will be offset by the q-q lower inventory gains. While IRPC, TOP, and PTTGC shares are now already trading at deep discounts to their replacement values, we think that due to the earnings downsides from their hedging losses and the high likelihood that as government-owned entities they will be forced to subsidise fuel prices, they are likely to see further potential valuation discounts, at least in the short-term.



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Exhibit 1: Three-month subsidy impact on Thai refiners: capacity, estimated subsidy, subsidy as a % of 2022E NP

Refinery	Capacity	% capacity	2022E core net profit	Est. diesel subsidy	% diesel subsidy to 2022E NP	Est. gasoline subsidy	% gasoline subsidy to 2022E NP	Total subsidy	% total subsidy to 2022E NP
	(kbpd)	(%)	(THB m)	(THB m)	(%)	(THB m)	(%)	(THB m)	(%)
TOP	280	23.1	13,228	4,162	31	624	5	4,786	36.18
PTTGC	240	19.8	29,027	3,567	12	535	2	4,102	14
IRPC	220	18.2	4,676	3,270	70	491	10	3,761	80
BCP	120	9.9	6,830	1,784	26	268	4	2,051	30
ESSO	177	14.6	5,782	2,631	46	395	7	3,026	52
SPRC	174	14.4	7,375	2,586	35	388	5	2,974	40
Total	1,211	100	66,918	18,000	220	2,700	33	20,700	253

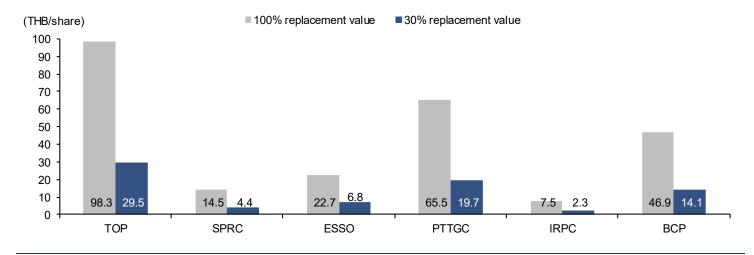
Sources: Companies, FSSIA estimates

Exhibit 2: Major shareholders of Thai refinery companies

	PTT	ТОР	ESSO	SPRC	ВСР	PTTGC	IRPC
As of	4-Mar-22	4-Mar-22	17-Mar-22	8-Mar-22	3-Mar-22	1-Mar-22	23-Feb-22
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
PTT Plc (PTT TB)	-	45.03	-	-	-	45.18	45.05
Ministry of Finance	51.11	-	-		4.76	-	-
Vayuphak Fund	12.16	-	9.56	1.06	19.84	-	1.97
Social Security Office	1.77	1.59	-	-	14.40	1.10	-
Thai NVDR	5.79	10.23	2.51	6.57	8.32	10.19	8.19
Siam Management Holding	-	3.00	-	-	-	3.00	3.00
GIC Private Limited	-	2.47	-	-	-	-	-
Exxonmobil Asia Holdings Pte. Ltd.	-	-	65.99	-	-	-	-
Chevron South Asia Holdings Pte Ltd	-	-	-	60.56	-	-	-
Bangchak Corporation (BCP TB)	-	-	-	-	1.40	-	-

Sources: SET; FSSIA's compilation

Exhibit 3: Replacement value per share, as of 2021



Sources: Companies; FSSIA estimates

# Corporate Governance report of Thai listed companies 2021

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AAV	BCPG	CPALL	GCAP	K	MSC	PLANET	SAMART	SPI	THRE	TVD
ADVANC	BDMS	CPF	GFPT	KBANK	MST	PLAT	SAMTEL	SPRC	THREL	TVI
F	BEM	CPI	GGC	KCE	MTC	PORT	SAT	SPVI	TIPCO	TVO
H	BGC	CPN	GLAND	KKP	MVP	PPS	SC	SSSC	TISCO	TWPC
IRA	BGRIM	CRC	GLOBAL	KSL	NCL	PR9	SCB	SST	TK	U
KP	BIZ	CSS	GPI	KTB	NEP	PREB	SCC	STA	TKT	UAC
KR	BKI	DDD	GPSC	KTC	NER	PRG	SCCC	STEC	TMT	UBIS
LT	BOL	DELTA	GRAMMY	LALIN	NKI	PRM	SCG	STI	TNDT	UV
MA	BPP	DEMCO	GULF	LANNA	NOBLE	PROUD	SCGP	SUN	TNITY	VGI
MATA	BRR	DRT	GUNKUL	LH	NSI	PSH	SCM	SUSCO	TOA	VIH
MATAV	BTS	DTAC	HANA	LHFG	NVD	PSL	SDC	SUTHA	TOP	WACOAL
NAN	BTW	DUSIT	HARN	LIT	NWR	PTG	SEAFCO	SVI	TPBI	WAVE
OT	BWG	EA	HMPRO	LPN	NYT	PTT	SEAOIL	SYMC	TQM	WHA
>	CENTEL	EASTW	ICC	MACO	OISHI	PTTEP	SE-ED	SYNTEC	TRC	WHAUP
RIP	CFRESH	ECF	ICHI	MAJOR	OR	PTTGC	SELIC	TACC	TRU	WICE
RROW	CHEWA	ECL	III	MAKRO	ORI	PYLON	SENA	TASCO	TRUE	WINNER
SP	CHO	EE	ILINK	MALEE	OSP	Q-CON	SHR	TCAP	TSC	ZEN
UCT	CIMBT	EGCO	ILM	MBK	ОТО	QH	SIRI	TEAMG	TSR	
WC	CK	EPG	INTUCH	MC	PAP	QTC	SIS	TFMAMA	TSTE	
YUD	CKP	ETC	IP	MCOT	PCSGH	RATCH	SITHAI	TGH	TSTH	
AFS	CM	FPI	IRPC	METCO	PDG	RS	SMK	THANA	TTA	
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BM	ATP30	CMC	FORTH	JAS	M	PB	S11	SMT	TFG	UMI
CE	В	COLOR	FSS	JCK	MATCH	PICO	SA	SNP	TFI	UOBKH
CG	BA	CPL	FTE	JCKH	MBAX	PIMO	SAK	SO	TIGER	UP
DB	BAM	CPW	FVC	JMART	MEGA	PJW	SALEE	SORKON	TITLE	UPF
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HC	BEC	CSP	GJS	KCAR	MGT	PMTA	SAPPE	SPCG	TM	VCOM
Т	BEYOND	CWT	GYT	KEX	MICRO	PPP	SAWAD	SR	TMC	VL
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LLA	BJC	DCON	HPT	KIAT	MITSIB	PRIME	SCN	SSC	TMI	VRANDA
LUCON	BJCHI	DHOUSE	HTC	KISS	MK	PRIN	SCP	SSF	TMILL	WGE
MANAH	BLA	DOD	HYDRO	KOOL	MODERN	PRINC	SE	STANLY	TNL	WIIK
MARIN	BR	DOHOME	ICN	KTIS	MTI	PSG	SFLEX	STGT	TNP	WP
PCO	BROOK	DV8	IFS	KUMWEL	NBC	PSTC	SFP	STOWER	TOG	XO
PCS	CBG	EASON	IMH	KUN	NCAP	PT	SFT	STPI	TPA	XPG
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J _PHAX MC		CSR	HUMAN	IXVVI						
J _PHAX MC PP	BROCK		HUMAN IHL	KYE	NNCL	RJH	SPACK	TOPP	UREKA	
J _PHAX MC PP Q	BROCK BSBM BSM	CSR D	IHL	KYE	NNCL	RJH RP	SPACK SPG			
J LPHAX MC PP Q RIN	BROCK BSBM BSM BTNC	CSR D EKH	IHL IIG	KYE LEE	NNCL NOVA	RP	SPG	TPCH	VIBHA	
J LPHAX MC PP Q RIN S	BROCK BSBM BSM BTNC BYD	CSR D EKH EMC	IHL IIG INGRS	KYE LEE LPH	NNCL NOVA NPK	RP RPH	SPG SQ	TPCH TPIPL	VIBHA W	
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Sources: Thai Institute of Directors Association (IOD); FSSIA's compilation; data as of 26 October 2021

<sup>\*</sup> 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

## **Anti-corruption Progress Indicator**

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
Al	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
AMANAH	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	WACOAI
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	
В	CIG	FPI	INTUCH	MATCH	PAP	PTT	SITHAI	TCMC	TSC	
BAFS	CIMBT	FPT	IRC	MBAX	PATO	PTTEP	SKR	TFG	TSTE	
BAM	СМ	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	СОТТО	GBX	JKN	META	PDJ	QH	SNC	THANI	TTCL	
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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)

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

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

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Company	Ticker	Price	Rating	Valuation & Risks
Star Petroleum Refining	SPRC TB	THB 11.60	BUY	TP is based on EV/EBITDA. Downside risks are a sharp rise in oil price and weak demand for refined oil products.
Esso Thailand	ESSO TB	THB 10.80	BUY	The downside risks to our SoTP-based TP on ESSO include 1) lower-than-expected demand for petroleum products; 2) a higher crude premium; and 3) unplanned shutdowns of its refinery and petrochemical plants.
Thai Oil	ТОР ТВ	THB 49.50	BUY	Downside risks to our EV/EBITDA-based TP are a sharp fall in oil price and weak demand for refined oil products.
PTT Global Chemical	PTTGC TB	THB 44.00	REDUCE	The key upside risks to our EV/EBITDA-based TP are a stronger-than-expected HDPE price and HDPE-naphtha margin.
IRPC PCL	IRPC TB	THB 3.12	REDUCE	Key risks to our bearish view and EV/EBITDA-based target price are rising margins of PP-naphtha, SM and ABS-benzene, and a higher market GRM.
Bangchak Corp	ВСР ТВ	THB 29.50	BUY	The downside risks to our SoTP-based TP include: 1) lower-than-expected demand for petroleum products; 2) higher crude premiums; and 3) unplanned shutdowns of the company's refinery plants.
PTT PCL	PTT TB	THB 33.25	BUY	Risks to our SoTP-based valuation are the oil price and potential earnings downside from government intervention.

# 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 20-Jun-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.