

2 AUGUST 2022

SPOTLIGHT ON THAILAND

Published Reports

- Thailand Insurance Industry - Life insurance - more room to grow
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- SOMBOON ADVANCE TECHNOLOGY (SAT TB) - A decelerating car; Downgrade to HOLD TP THB19.50
- PTT EXPLOR & PROD (PTTEP TB) - Higher cost a key surprise in 2Q22; Maintain BUY TP THB180
- Thailand Utilities - Ft hike for Sep-Dec 2022 finally announced

Economics

- COVID-19 cases as of 1 Aug globally reaches 582,651,859 with new 485,306 cases and 1,156 new deaths. There are 23,069,052 currently infected patients, with 42,115 (0.2% cases in serious condition.
- PM cancels planned power tariff hike
- Last-mile delivery set to grow by up to 15%
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Corporate News

- AIS presses NBTC on mega merger, Chief says regulator has legal power to nix deal
- Na Jomtien to reopen fully in 2025
- Digital content in line for revenue surge
- SAF Special Steel preps for MAI listing
- Amata upbeat on land sales in the second half
- Family has big plans for Chevala venture, Liptapanlop family eyes wellness market
- Depa touts high tech farming
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Indices	Index as of 1-Aug-22	Change -1D (%)	Change YTD (%)	Net Foreign YTD (USD m)
Thailand SET	1,593	1.1	(3.9)	3,621
China SHCOMP	3,260	0.2	(10.4)	
Hong Kong HSI	20,166	0.0	(13.8)	
India SENSEX	58,116	0.9	(0.2)	(27,720)
Indonesia JCI	6,969	0.3	5.9	4,179
Korea KOSPI	2,452	(0.3)	(17.9)	(14,601)
MY FBMKLCI	1,502	0.7	(4.2)	
PH PCOMP	6,312	(0.1)	(11.4)	(861)
SG FSSTI	3,239	0.8	3.7	
Taiwan TWSE	14,982	(0.1)	(17.8)	(34,976)
VN VNINDEX	1,231	2.1	(17.8)	11
MSCI Emerging	995	0.1	(19.2)	
Nikkei 225	27,993	0.7	(2.8)	
FTSE 100	7,413	(0.1)	0.4	
CAC 40	6,437	(0.2)	(10.0)	
DAX	13,480	(0.0)	(15.1)	
Dow Jones	32,798	(0.1)	(9.7)	
Nasdaq	12,369	(0.2)	(20.9)	
S&P 500	4,119	(0.3)	(13.6)	
Brent	100.03	(3.8)	28.6	
Dubai	104.99	(0.8)	37.3	
WTI	93.89	(0.2)	24.6	
GOLD	1,772.17	(0.1)	(3.2)	

Trade data (THB m)	Buy (THB m)	Sell (THB m)	Net (THB m)	Share (%) (THB m)
Foreign	39,893	38,039	1,854	47
Retail	26,505	28,751	(2,246)	34
Prop Trade	6,433	6,619	(186)	8
Local Institution	9,426	8,847	579	11
Total Trade	82,257	82,257	0	100

Rates	Last close 8/1/2022	1M ago 7/1/2022	End last yr 12/31/2021	1yr ago 8/2/2021
THB/USD	36.01	35.64	33.41	32.94
Inflation *	7.66	7.10	2.17	1.25
MLR **	5.31	5.31	5.31	5.31
1Y Fixed *	0.43	0.43	0.43	0.43
Govt bond 10Y	2.45	2.80	1.89	1.54

Commodity (USD/bbl)	Last close 8/1/2022	1M ago 7/1/2022	End last yr 12/31/2021	1yr ago 7/30/2021
Brent	100.03	111.63	77.78	76.33
Dubai	104.99	112.20	76.48	73.32
WTI	93.89	108.43	75.21	71.26
Gold	1,772	1,808	1,829	1,813
Baltic Dry	1,895	2,214	2,217	3,282
(USD/ton)	29-Jul-22	22-Jul-22	25-Dec-20	30-Jul-21
Coal	435.52	425.35	84.45	152.37
% change	2.4	7.9	415.7	185.8

* chg y-y% last at end of most recent month end; ** Avg of 4 major banks;

Sources: Bloomberg, except coal from BANPU

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Published Reports

Thailand Insurance Industry - Life insurance - more room to grow

Slightly positive view from “Life insurance industry outlook” conference

We arranged a “Life insurance industry outlook in Thailand” conference for institutional investors on 01 Aug-22. Mr. Tommy Pichet Jiarameetaweasin, former president of the Actuarial Association and current managing director of ABS Co Ltd, was the guest speaker. We have a slightly positive view as there is more room for the life insurance industry to grow in the long run, supported by higher insurance demand and the rate uptrend.

At the inflection point of recovery

Mr. Jiarameetaweasin thinks the Thai life insurance industry is at the early stage of recovery. The demand for life insurance, critical illness, and health insurance in particular, should continue to rise. He believes that the life insurance industry will not enter into price competition, despite the interest rate uptrend. He thinks most life insurers will continue to selectively sell only high-margin products, sacrificing top-line growth for a better profit margin. According to Mr. Jiarameetaweasin, the rate uptrend should benefit insurers in terms of 1) a higher profitability margin due to the lower bond price; and 2) a higher discount rate, resulting in a wider gap between asset and liability values. Once the discount rate rises, the value of assets will decline at a slower pace than liabilities due to shorter maturity.

No significant changes to insurers’ bottom lines from new accounting standard

The new accounting standard, TFRS 17, will be implemented in 2025. There are no material changes to insurers’ bottom lines from TFRS 17, Mr. Jiarameetaweasin said. The lower revenue recognition will be offset by lower expenses (policy reserve, commissions). There might be a one-time adjustment from asset and liability revaluation to equity via other comprehensive income.

EV and VONB could be the best options to value insurance stocks currently

To value life insurance stocks in Thailand, Mr. Jiarameetaweasin believes that using embedded value (EV) and value of new business (VONB) are still the best ways, as these could represent the long-term profitability of life insurance. P/E is not a good choice currently, due to the mismatch between asset and liability revaluation and some expense recognitions. P/E might be valid once TFRS 17 is implemented. Mr. Jiarameetaweasin sees the assumptions to calculate EV and VONB, which life insurers in Thailand use, as reasonable.

Thailand Automotive - A rough road ahead

A fine car production volume in 2Q22

Thailand's car production in 2Q22 amounted to 390k units (+3% y-y). Domestic car sales surged by 12% y-y to 196k units. Exports, however, fell to 206k units (-4% y-y). The 2Q22 figures give us confidence in our Thailand car production target of 6% growth y-y in 2022 to 1.78m units, with y-y growth in every quarter. Against this backdrop, we expect AAPICO Hitech (AH TB, BUY, TP THB29.50)'s core earnings in 2Q22 to rise by 3% y-y to THB213m. On the other hand, we expect Somboon Advance Technology (SAT TB, HOLD, TP THB19.50)'s core earnings to fall by 14% y-y to THB203m due to cost pressure from the soaring steel price eating into its revenue growth.

Total car production downgrade

There is a concern that the global economy will enter into a recession in the near future, mainly due to the inflation that is spiking globally as well as in Thailand. The rising interest rates and economic slowdown globally will pressure the demand for new cars, given that consumers will have to pay more to purchase cars. This is reflected in the slowdown in car exports, which is also representative of the slower economy and semiconductor shortage. As a result, we cut our car production estimates for Thailand this year and next to 1.68m/1.75m units from 1.78m/1.88m units. This would result in car production this year being flattish from last year.

Downgrade to NEUTRAL

With the expectation that car production should remain weak in 3Q22, possibly continuing into 4Q22, we believe auto companies under our coverage will be pressured by the stale industry outlook. Therefore, we downgrade our view on the auto sector to NEUTRAL from Overweight. AH remains our top pick as we think its earnings in 2022 should post solid growth at 40% y-y. We have not made any earnings revisions to AH despite our total car production estimate cut, thanks to the strong volume from its customers.

FSSIA recommendations

Company	BBG code	share price	Rating		Target Price			
			Current	Previous	Current	Previous	%change	Up/downside
AAPICO Hitech	AH TB	21.10	BUY	-	29.50	28.00	+5.36%	+39.8%
Nam Yong Terminal	NYT TB	3.80	HOLD	BUY	3.90	5.00	-22.00%	+2.6%
Somboon Advance Technology	SAT TB	17.80	HOLD	BUY	19.50	24.00	-18.75%	+9.6%

Note: Priced at close of business 27/07/2022. Share prices and TPs are in listing currency.

Sources: FSSIA estimates

Exhibit 1: Key assumption changes for Thailand's car production

	----- New -----			----- Previous -----		----- Change-----	
	2021 (Unit)	2022E (Unit)	2023E (Unit)	2022E (Unit)	2023E (Unit)	2022E (%)	2023E (%)
Domestic car sales	738,107	780,000	810,000	800,000	850,000	(2.5)	(4.7)
Exports	959,194	920,000	960,000	1,000,000	1,050,000	(8.0)	(8.6)
Car production	1,685,394	1,683,000	1,752,300	1,782,000	1,881,000	(5.6)	(6.8)
Change y-y		(%)	(%)	(%)	(%)	(ppt)	(ppt)
Domestic car sales		5.7	3.8	8.4	9.0	(2.7)	(5.1)
Exports		(4.1)	4.3	4.3	14.1	(8.3)	(9.8)
Car production		(0.1)	4.1	5.7	11.8	(5.9)	(7.6)

Note: Total car production is not equal to total car sales for both domestic and export as domestic car sales include car imports

Sources: Thai Automotive Industry Association; FSSIA estimates

AAPICO HITECH (AH TB) - A perfect off-road vehicle; Maintain BUY TP THB29.50

Expect continuous growth in 2Q22

Despite a one-month shutdown of AH's Shanghai factory in 2Q22 due to the lockdown policy, plus the semiconductor shortage and the high steel price, we believe AH's core earnings in 2Q22 should grow by 3% y-y to THB213m. Its new order worth about THB700m per year has already started full production. Car dealerships should also have a strong performance thanks to Thailand's domestic car sales during 2Q22 which grew by 12% y-y. Therefore, we expect AH's 2Q22 revenue to grow significantly by 25% y-y to THB6b. The company's GPM should stay at 10%. Lastly, with the huge depreciation in Thai Baht, we expect AH to have an exchange gain of over THB103m in 2Q22.

Negative sentiment from the industry...

Total car production in Thailand is at risk of slowing down in 2H22 because of the economic slowdown globally as well as in Thailand. High inflation, with increasing interest rates all over the world, will be the key pressure point on the demand for new cars, in our view. Therefore, we revise our target for Thailand's car production in 2022 from 1.78m units to 1.68m units, flattish from last year.

... But we believe AH should overcome the industry's downside

Although there could be a key challenge in 2H22 from the risk of an economic slowdown, we believe AH should still generate strong core earnings growth in 2022 at THB1.1b (+40% y-y). We expect AH's core earnings in 1H22 to contribute 56% of our full-year forecast. We believe the company should continue to post y-y growth in 2H22 thanks to 1) a strong volume from its customers; 2) the Portugal factory should not be loss-making like last year; and 3) no more lockdowns, which should help the car dealership business to generate better revenue.

Maintain BUY with a new 2023 TP of THB29.50

We see AH as an off-road vehicle at the moment, able to overcome all of the obstacles ahead to post solid earnings growth this year and next. We maintain our BUY call on AH with a new 2023 TP of THB29.50, pegged to 8x P/E (+0.5SD of its mean). AH remains our top pick in the sector.

Exhibit 2: AH - 2Q22 results preview

	2Q21	1Q22	2Q22E	-----Change-----		1H21	1H22E	Change	2022E
	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(THB m)	(y-y%)	(THB m)
Auto parts	3,663	5,134	4,650	(9.4)	26.9	7,836	9,784	24.9	17,654
Car dealership and others	1,167	1,596	1,372	(14.0)	17.6	2,580	2,968	15.0	6,664
Revenue	4,833	6,730	6,022	(10.5)	24.6	10,419	12,752	22.4	24,318
Operating costs	(4,273)	(5,985)	(5,420)	(9.4)	26.8	(9,185)	(11,404)	24.2	(21,594)
Gross profit	559	746	602	(19.3)	7.6	1,234	1,348	9.2	2,724
SG&A expenses	(391)	(392)	(398)	1.5	1.8	(781)	(790)	1.2	(1,792)
EBIT	168	354	204	(42.2)	21.3	453	558	<i>n.a.</i>	931
Depreciation & amortisation	259	273	268	(1.7)	<i>n.a.</i>	448	507	13.1	743
EBITDA	427	626	472	(24.6)	10.5	902	1,065	18.1	1,674
EBITDA margin (%)	9	9	8	<i>nm</i>	<i>nm</i>	9	8	<i>nm</i>	7
Interest expense	(89)	(81)	(81)	(1.0)	(9.8)	(177)	(162)	(8.4)	(332)
Other income	104	87	80	(7.7)	(23.3)	156	167	7.0	358
Extra item	0	0	0	<i>n.a.</i>	<i>n.a.</i>	0	0	<i>n.a.</i>	0
Associates	57	82	72	(12.6)	25.3	145	154	6.6	306
Gain/Loss from exchange	42	(4)	103	<i>n.a.</i>	143.1	145	99	<i>n.a.</i>	0
Pretax profit	283	438	379	(13.5)	33.7	722	816	13.1	1,263
Tax	(33)	(29)	(57)	98.1	74.0	(59)	(85)	45.1	(139)
Tax rate (%)	(12)	(7)	(15)	<i>nm</i>	<i>nm</i>	(8)	(10)	<i>nm</i>	(11)
Minority interests	0	7	6	(11.4)	1,375.8	3	12	<i>n.a.</i>	16
Net profit	250	402	316	(21.5)	26.3	660	719	8.9	1,108
Core net profit	208	406	213	(47.5)	2.5	515	619	20.2	1,108
EPS (THB)	0.78	1.25	0.89	(28.6)	14.9	2.05	2.03	(1.0)	3.12
Core EPS (THB)	0.64	1.26	0.60	(52.3)	(6.8)	1.60	1.74	9.2	3.12

Sources: AH; FSSIA estimates

NAM YONG TERMINAL (NYT TB) - A slower year; Downgrade to HOLD TP THB3.90

Slowdown in 2Q22 due to the low season

Given that Thailand's car exports during 2Q22 were at 207k units (-15% q-q, -4% y-y), we expect NYT's roll-on/roll-off (Ro/Ro) business in 2Q22 to fall q-q to THB244m (-7% q-q, 0% y-y). While other revenues should be flat, we expect NYT's overall revenue in 2Q22 to drop by 4% q-q to THB336m. In addition, the ferry business should still be loss-making, along with the C0 terminal. As a result, we expect NYT's core earnings in 2Q22 to drop to THB46m (-15% q-q; -21% y-y).

Revising down car export target to 920k units

We revise down our car export target for Thailand in 2022/2023 by 8%/9% from 1m/1.05m units to 920k/960k units due to 1) the negative impact of the semiconductor shortage that continues to pressure the number of cars produced in Thailand; and 2) the expectation of a global economic recession. Therefore, with the decline in car exports, which is the main revenue stream for the company, we revise down our revenue estimate for NYT in 2022 by 8% to THB1.3b (+0.2% y-y).

Earnings estimate cut

Seahorse Ferry, NYT's new business that started operating from the end of last year, is still ramping up its passenger volume. According to management, there has been no significant improvement in its operations yet, which is slower than our expectation. Therefore, we believe this business could make a bigger loss than we had previously expected. Moreover, the C0 terminal has also been unable to find more customers and its ports are still underutilised. As a result, with the weak revenue outlook and expected losses from Seahorse Ferry and C0 terminal, we cut our earnings estimate for 2022 by 43% to THB206m (-15% y-y).

Downgrade to HOLD with 2023 TP of THB3.90

Over 70% of NYT's revenue comes from the Ro/Ro business that depends on Thailand's car export volume, the outlook of which remains unclear. Ferries and C0 continue to be a burden. Hence, we think NYT's outlook is unexciting for 2H22 and downgrade our recommendation to HOLD from Buy. We roll-over our TP to 2023 at THB3.90, pegged to 18.6x P/E (-0.5SD of its mean P/E). Its 2022E dividend yield, which used to be a key investment point for NYT, is also unattractive below 4%.

Exhibit 3: NYT - 2Q22 results forecast

	2Q21	1Q22	2Q22E	Change		1H21	1H22E	Change	2022E
	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(THB m)	(y-y%)	(THB m)
Revenue	325	351	336	(4)	3	657	687	5	1,336
Cost of service	(186)	(224)	(220)	(2)	18	(366)	(443)	21	(856)
Gross profit	138	127	116	(8)	(16)	291	244	(16)	480
SG&A expenses	(49)	(42)	(43)	3	(13)	(89)	(85)	(4)	(170)
EBIT	89	85	73	(14)	(18)	202	158	(22)	310
Depreciation & amortization	115	120	118	(2)	2	223	238	7	382
EBITDA	204	206	191	(7)	(6)	425	397	(7)	692
EBITDA margin (%)	62.8	58.6	56.9	nm	nm	64.6	57.8	nm	51.8
Interest expense	(24)	(25)	(26)	2	9	(41)	(51)	24	(103)
Other income	5	6	6	2	15	10	12	13	26
Associates	(5)	(6)	(5)	(15)	16	(6)	(12)	91	(19)
Extra items	1	1	0	n.a.	n.a.	9	1	(91)	0
Pretax profit	67	60	48	(20)	(28)	174	108	(38)	214
Tax	(18)	(18)	(13)	(27)	(26)	(44)	(32)	(29)	(56)
Tax rate (%)	(27.0)	(30.5)	(28.0)	nm	nm	(25.5)	(29.4)	nm	(26)
Minority interests	(9)	(12)	(11)	(8)	23	(14)	(24)	72	(48)
Net profit	58	54	46	(15)	(21)	143	100	(31)	206
Core net profit	57	53	46	(14)	(20)	134	99	(27)	206
EPS (THB)	0.05	0.04	0.04	(15)	(21)	0.12	0.08	(31)	0.17
Core EPS (THB)	0.05	0.04	0.04	(14)	(20)	0.11	0.08	(27)	0.17

Sources: NYT; FSSIA estimates

Exhibit 4: Key assumption changes

	-----New-----		-----Previous-----		-----Change-----	
	2022E	2023E	2022E	2023E	2022E	2023E
	(THB m)	(THB m)	(THB m)	(THB m)	(%)	(%)
Thailand car exports (m units)	0.92	0.96	1	1.05	(8)	(9)
Revenue	1,336	1,461	1,454	1,611	(8)	(9)
Gross profit	480	570	674	823	(29)	(31)
SG&A	(170)	(186)	(185)	(181)	(8)	3
Share of profit (loss) from associate	(19)	(5)	8	13	n.a.	n.a.
MI	(48)	(21)	(6)	0	700	n.a.
Net profit	206	261	359	401	(43)	(35)
Margin	(%)	(%)	(%)	(%)	(ppt)	(ppt)
GPM	35.9	39.0	46.4	51.1	(10.4)	(12.1)
NPM	15.4	17.8	24.7	24.9	(9.3)	(7.1)

Source: FSSIA estimates

SOMBOON ADVANCE TECHNOLOGY (SAT TB) - A decelerating car; Downgrade to HOLD TP THB19.50

Expect a slowdown in 2Q22 earnings

We believe SAT's revenue in 2Q22 will grow by 7% y-y to THB2.18b (-6% q-q) and continue to beat the industry – as Thailand's car production grew by only 3% in 2Q22 – thanks to the new orders that started mass production in the quarter. However, due to the low season and the rising steel price, we expect the company's GPM to drop to 16.3% in 2Q22 vs 19.4% in 2Q21 and 17.9% in 1Q22. Moreover, its share of profits from associates will also likely slow due to the semiconductor shortage. As a result, we expect SAT's earnings in 2Q22 to fall to THB203m (-22% q-q, -15% y-y).

Car production target revision doesn't impact SAT's revenue

Although we revise our 2022 target for Thailand's car production down from 1.8m units to 1.68m units, we still have a positive view on SAT's revenue thanks to its new orders. We increase our revenue estimate for SAT this year by 2% to THB9.4b (+9% y-y).

Earnings estimate cuts due to the rising steel price

We cut our core net profit assumptions in 2022/23 down by 5%/13% to THB967m/THB1b. This is mainly due to the GPM that we expect to stay at a low level throughout this year and next. The company anticipates that the steel price is still in an uptrend. SAT indicated that it might need almost 12 months in order to pass through the costs to its customers, which is a longer time than we had expected. We had previously expected that the company would be able to completely pass through its costs to customers within this year. As a result, we expect that SAT's GPM for 2022/23 should fall to 18%/18.4% vs our previous expectation of 18.6%/19.4%.

Downgrade to HOLD with a new 2023 TP of THB19.50

We downgrade our recommendation on SAT to HOLD from Buy, with a new 2023 TP of THB19.50 pegged to 8x P/E (-0.5SD of its mean). The company will likely be pressured by the slowdown in car production and the rising steel price, which could increase the risk and uncertainty for 2H22. SAT's 2022E earnings growth at only 1% y-y is less attractive than its peers. In our opinion, the only key investment highlight for SAT is its status as a high dividend play that offers a dividend yield of over 8% p.a.

Exhibit 5: SAT - 2Q22 results preview

	2Q21	1Q22	2Q22E	-----Change-----		1H21	2H22E	Change	2022E
	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(THB m)	(y-y%)	(THB m)
Revenue	2,041	2,329	2,180	(6.4)	6.8	4,248	4,509	6.1	9,375
Operating costs	(1,645)	(1,912)	(1,825)	(4.6)	10.9	(3,387)	(3,737)	10.3	(7,688)
Gross profit	396	418	355	(14.9)	(10.2)	862	773	(10.3)	1,688
SG&A expenses	(181)	(186)	(172)	(7.6)	(4.9)	(378)	(358)	(5.3)	(764)
EBIT	215	231	183	(20.7)	(14.7)	483	415	(14.2)	923
Depn & amort.	147	128	135	5.7	(8.0)	311	292	(6.1)	558
EBITDA	362	359	318	(11.3)	(12.0)	795	707	(11.0)	1,481
EBITDA margin (%)	18	15	15	nm	nm	19	16	nm	16
Interest expense	(2)	(1)	(0)	(34.9)	(76.6)	(3)	(1)	(65.9)	(3)
Other income	30	43	38	(11.0)	27.2	64	81	25.8	141
Associates	21	11	6	(47.6)	(72.1)	69	17	(74.7)	47
Gain/Loss from exchange	2	0	0	n.a.	(100.0)	8	0	n.a.	0
Extra items	0	0	0	n.a.	n.a.	0	0	n.a.	0
Pretax profit	266	285	227	(20.4)	(14.8)	622	512	(17.6)	1,108
Tax	(27)	(26)	(22)	(14.0)	(17.0)	(61)	(48)	(21.2)	(133)
Tax rate (%)	(10)	(9)	(10)	nm	nm	(10)	(9)	nm	(12)
Minority interests	2	0	2	n.a.	(14.2)	7	3	(62.5)	8
Net profit	237	259	203	(21.9)	(14.6)	554	461	(16.6)	967
Core net profit	235	259	203	(21.7)	(13.9)	546	461	(15.5)	967
EPS (THB)	0.56	0.61	0.48	(21.9)	(14.6)	1.30	1.09	(16.6)	2.28
Core EPS (THB)	0.55	0.61	0.48	(21.7)	(13.9)	1.28	1.08	(15.5)	2.28

Sources: SAT; FSSIA estimates

Exhibit 6: SAT - Key assumption changes

	----- Current -----		----- Previous -----		----- Change -----	
	2022E (THB m)	2023E (THB m)	2022E (THB m)	2023E (THB m)	2022E (%)	2023E (%)
Revenue	9,375	9,924	9,172	10,012	2.2	(0.9)
Gross profit (includes depreciation and amortisation)	1,688	1,827	1,707	1,942	(1.1)	(5.9)
EBITDA	1,481	1,578	1,498	1,676	(1.1)	(5.8)
Net profit	967	1,039	1,019	1,191	(5.1)	(12.8)
Margin	(%)	(%)	(%)	(%)	(ppt)	(ppt)
Gross profit margin	18.0	18.4	18.6	19.4	(0.6)	(1.0)
Net profit margin	10.3	10.5	11.1	11.9	(0.8)	(1.4)

Source: FSSIA estimates

PTT EXPLOR & PROD (PTTEP TB) - Higher cost a key surprise in 2Q22; Maintain BUY TP THB180

Strong but lower-than-expected 2Q22 due to higher cost

PTTEP's 2Q22 net profit (NP) was THB20.6b (+96% q-q, +189% y-y), and core NP rose to THB22.8b in 2Q22 (+20% q-q, +104% y-y), missing the Bloomberg consensus estimate by 5% and our forecast by 11%. Key drivers were 1) an 8.3% q-q higher average selling price (ASP) at USD55.6/boe from the higher liquid price (+15.7% q-q to USD105.5/boe) and the higher gas price (+0.5% q-q to USD6.1/mmbtu); and 2) a higher sales volume of 465.5kboed (+8.9% q-q, +5% y-y) due to additional volumes from Oman and Sabah in Malaysia. The total cost in 2Q22 jumped to USD28.8/boe (+8.5% q-q, +5.7% y-y) due to higher operating expenses, SG&A, and exploration expenses for Erawan gas field.

Thailand and Malaysia remain PTTEP's core assets

PTTEP's assets in Southeast Asia reported a 2Q22 NP of USD632m, up 8% q-q due to the higher ASP and sales volume from Sabah H. The NP from its Middle East assets improved to USD56m in 2Q22 due to the higher ASP and additional volume from the Oman project. PTTEP's guidance for 2022 is 1) a sales volume targeted at 467kboed; 2) a higher gas price at USD6.4/mmbtu in 2022; 3) maintaining a unit cost of USD28-29/boe; and 4) achieving an EBITDA margin of 70-75%.

Stronger earnings outlook ahead

We believe PTTEP's NP growth in 3Q22 and 2022 will be strong, driven by 1) higher sales volumes from G1/G2 and Algeria; 2) a higher ASP due to the higher liquid and gas prices; and 3) its low-cost structure, mainly from lower OPEX. PTTEP's guidance is for G1's production to rise from 250kboed in 3Q22 to 300kboed at end-2022, 600kboed in 2023, and 800kboed in Apr-24.

Still a good oil play

Maintain BUY and our TP of THB180, based on 5.5x 2023E EV/EBITDA. PTTEP remains our top pick in the upstream oil & gas sector based on our estimate that for every 1% change in the oil price, its earnings should increase by 1.3-2.0%, depending on the oil volume sold. We think the overhang from the G1 production hiccup should gradually subside, allowing PTTEP's valuation to rerate on the higher oil and gas prices.

Exhibit 7: Summary of 2Q22/6M22 operations

	2Q21	1Q22	2Q22			6M21	6M22	Change	2022E
	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(THB m)	(y-y%)	(THB m)
Revenue	54,209	67,145	83,088	23.7	53.3	96,345	150,234	55.9	319,977
Operating costs	(12,460)	(14,086)	(20,144)	43.0	61.7	(33,541)	(34,231)	2.1	(78,526)
EBITDA	41,750	53,059	62,944	18.6	50.8	62,804	116,003	84.7	161,457
<i>EBITDA margin (%)</i>	<i>77.0</i>	<i>79.0</i>	<i>75.8</i>	<i>nm</i>	<i>nm</i>	<i>65.2</i>	<i>77.2</i>	<i>nm</i>	<i>50.5</i>
Depn & amort.	(19,747)	(17,087)	(19,443)	13.8	(1.5)	(36,304)	(36,530)	0.6	(32,826)
EBIT	22,003	35,972	43,501	20.9	97.7	26,500	79,473	199.9	128,631
Interest expense	(1,611)	(1,718)	(2,194)	27.7	36.2	(3,064)	(3,912)	27.7	(6,790)
Interest & invt inc	793	742	1,549	108.8	95.4	12,073	2,291	(81.0)	532
Associates' contrib	88	350	445	27.2	408.4	152	796	424.3	489
Exceptionals	(4,070)	(8,392)	(1,659)	nm	nm	(1,124)	(10,051)	nm	(9,338)
Pretax profit	17,203	26,955	41,642	54.5	142.1	34,537	68,597	98.6	113,523
Tax	(10,063)	(16,436)	(21,042)	28.0	109.1	(15,864)	(37,478)	136.3	(58,643)
<i>Tax rate (%)</i>	<i>58.5</i>	<i>61.0</i>	<i>51</i>	<i>nm</i>	<i>nm</i>	<i>45.9</i>	<i>54.6</i>	<i>nm</i>	<i>51.7</i>
Minority interests	0	0	0	nm	nm	0	0	nm	0
Net profit	7,140	10,519	20,600	95.8	188.5	18,673	31,119	66.6	54,880
Non-recurring	(4,046)	(8,462)	(2,239)	(73.5)	(44.7)	(1,350)	(10,701)	692.7	
Core profit	11,185	18,981	22,839	20.3	104.2	20,023	41,820	108.9	54,880
EPS (THB)	1.80	2.65	5.19	95.8	188.5	4.70	7.84	66.6	13.82
Core EPS (THB)	2.82	4.78	5.75	20.3	104.2	5.04	10.53	108.9	13.82

Sources: PTTEP; FSSIA estimates

Exhibit 8: 2Q22/6M22 results – key drivers

	Unit	2Q21	1Q22	2Q22	Change		6M21	6M22	Change
					(q-q %)	(y-y %)			
Sales volume	boed	443,126	427,368	465,459	8.9	5.0	826,003	892,827	8.1
ASP	USD/boe	42.2	51.4	55.6	8.3	31.8	41.4	53.6	29.6
Gas price	USD/mmbtu	5.6	6.1	6.1	0.5	9.1	5.6	6.1	8.6
Liquid price	USD/bbl	64.0	91.2	105.5	15.7	64.8	60.5	98.7	63.1
Total cost	USD/boe	27.2	26.5	28.8	8.5	5.7	27.6	27.7	0.5
Cash cost	USD/boe	11.6	13.1	15.5	17.9	33.0	11.8	14.3	21.1
Operating expenses	USD/boe	4.8	5.1	6.9	34.4	44.0	4.9	6.0	23.1
Exploration expenses	USD/boe	0.2	0.2	0.4	166.7	110.5	0.2	0.3	75.0
Petroleum royalties	USD/boe	3.4	4.3	4.2	(1.2)	23.4	3.4	4.2	24.0
SG&A	USD/boe	2.0	2.2	2.5	10.8	25.4	2.0	2.4	16.3
Depreciation, depletion & amortisation	USD/boe	15.6	13.4	13.3	(0.7)	(14.7)	15.7	13.4	(14.9)
Tax	USD/boe	7.6	12.9	15.2	17.6	99.1	6.4	14.1	120.3
Interest	USD/boe	1.3	1.4	1.5	11.1	18.1	1.3	1.4	7.5
Net profit	THB m	7,140	10,519	20,600	95.8	188.5	18,673	31,119	66.6
Core earnings	THB m	11,185	18,981	22,839	20.3	104.2	20,023	41,820	108.9

Sources: PTTEP; FSSIA estimates

Exhibit 9: 2Q22/6M22 net profit by segment (USD m)

	2Q21	1Q22	2Q22	Change		6M21	6M22	Change
	(USD m)	(USD m)	(USD m)	(q-q %)	(y-y %)	(USD m)	(USD m)	(y-y %)
Exploration and production	395	631	682	8.1	72.7	934	1,313	40.6
Southeast Asia	382	584	632	8.2	65.4	706	1,216	72.2
- Thailand	307	418	480	14.8	56.4	577	898	55.6
- Other Southeast Asia	75	166	152	(8.4)	102.7	129	318	146.5
Middle East	6	54	56	3.7	833.3	357	110	(69.2)
Australia	(1)	(1)	(1)	-	100.0	(1)	(2)	100.0
America	(2)	(7)	(4)	(42.9)	100.0	(148)	(11)	(92.6)
Africa	6	(3)	(6)	100.0	nm	13	(9)	nm
Others	3	4	5	25.0	66.7	7	9	28.6
Head office and others	(173)	(313)	(82)	(73.8)	(52.6)	(336)	(395)	17.6
Total	222	318	600	88.7	170.3	598	918	53.5

Sources: PTTEP; FSSIA estimates

Thailand Utilities - Ft hike for Sep-Dec 2022 finally announced

Ft hike by THB0.6866/kWh for Sep-Dec 2022

On 27 July 2022, the Energy Regulatory Commission (ERC) finally announced the long-anticipated hike in the fuel tariff (Ft) by THB0.6866/kWh to THB0.9343/kWh for Sep-Dec 2022. This is in line with our and the market's expectations under one of three cases recently floated in public hearings hosted by the ERC. The hike of THB0.6866/kWh was the lowest proposed increase for the Ft and brings the average electricity tariff to THB4.72/kWh. We estimate that it would only compensate for the rise in energy costs in Sep-Dec 2022 without recovering the state-owned Electricity Generating Authority of Thailand (EGAT)'s accumulated subsidy losses of THB83b.

Ft increase should bring about near-breakeven margins for SPPs

Although the Ft hike of THB0.6866/kWh is the lowest among the ERC's three proposed cases, we think it will have a positive impact on small power producers (SPPs) whose electricity selling prices are directly linked to the Ft-driven national grid tariff rate. In 1H22, the gas cost rose by THB180/mmbtu (+70% y-y) to THB442/mmbtu, and the Ft increase amounted to only a THB0.139/kWh hike for Jan-Apr 2022, leading to significant margin squeezes for SPPs. We estimate a THB1/kWh Ft rise would be required to cover the full cost of the gas cost rise. However, we believe the ERC is likely to hike the Ft further by THB0.6-1.6/kWh in 2023 to recover EGAT's THB86b in accumulated subsidy losses.

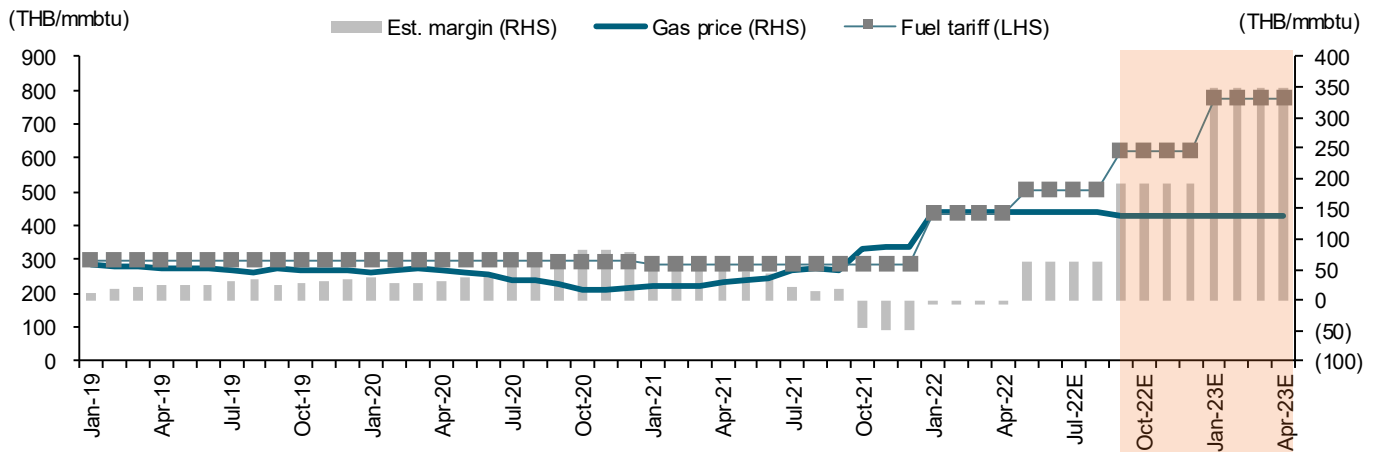
BGRIM won the battle, but not the war

We estimate that BGRIM (BUY, TP THB44), as Thailand's largest SPP, will see its EBITDA margin significantly improve from sub-10% in 1Q22 to above 20% in 4Q22 when the new Ft of THB0.9343 takes effect. Based on a THB21m net profit increase for every THB0.01/kWh rise in the Ft, and a THB18m cost rise for every THB1/mmbtu increase in the gas price, we estimate BGRIM would narrow its annual net loss from THB2.7b to THB1.3b, resulting from an additional THB2b in revenue from the THB0.9343/kWh Ft over the THB3.2b higher gas cost from the THB180/mmbtu rise in the gas price to THB442/mmbtu in 1Q22.

BGRIM stands out to as the sole winner

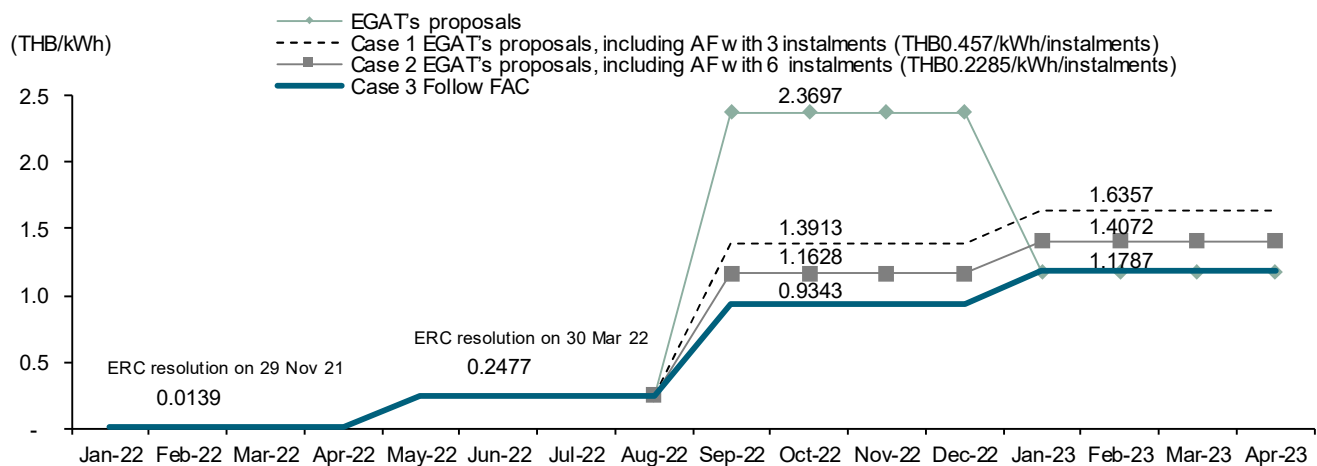
We prefer BGRIM as our top pick in the Thai power sector, given the potentially limited upside to the current gas price compared to the upsides from highly likely future Ft hikes. While the margin downsides from further gas price hikes remain, we think BGRIM's net profits from its SPPs should improve meaningfully in Sep 2022 onward when the new Ft of THB0.9343/kWh begins. Hence, we prefer BGRIM as one of Thailand's best power sector plays thanks to its high exposure to changes in the Ft.

Exhibit 10: SPPs' estimated margins vs the gas price and their tariff rates



Sources: EGAT; BGRIM; FSSIA estimates

Exhibit 11: EGAT's proposed hikes in the ERC fuel tariff for Sep-Dec 2022



Source: ERC

Economic news

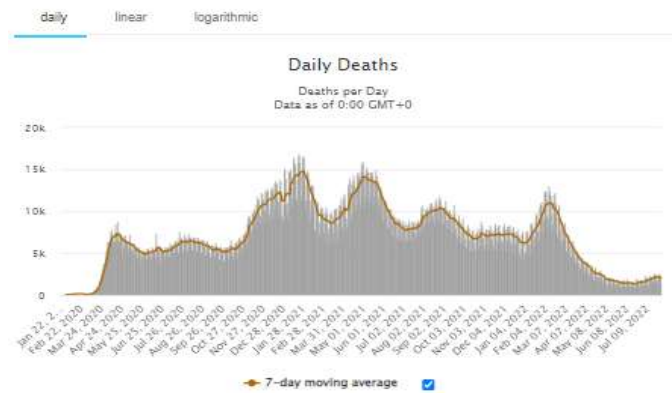
- COVID-19 cases as of 1 Aug globally reaches **582,651,859** with new 485,306 cases and 1,156 new deaths. There are 23,069,052 currently infected patients, with 42,115 (0.2% cases in serious condition).

Exhibit 12: Top 25 countries by new cases

Country	Total Cases	New Cases	Total Deaths	New Deaths
World	582,651,859	485,306	6,421,160	1,156
1 Japan	12,749,822	196,812	32,585	78
2 S. Korea	19,820,739	44,689	25,068	21
3 Australia	9,440,677	33,042	11,895	49
4 Brazil	33,856,805	22,905	678,792	214
5 Italy	21,059,545	18,813	172,207	121
6 USA	93,129,773	18,227	1,055,176	60
7 Taiwan	4,604,761	16,584	8,963	36
8 Russia	18,612,543	10,824	382,469	36
9 India	44,046,915	10,640	526,396	
10 Iran	7,400,725	9,699	142,060	62
11 France	33,866,824	7,249	152,179	121
12 Chile	4,248,048	6,502	59,622	45
13 Serbia	2,129,016	5,991	16,286	6
14 Israel	4,585,592	5,855	11,391	35
15 New Zealand	1,621,916	5,575	2,212	27
16 Jordan	1,715,296	5,417	14,083	9
17 Romania	3,068,849	5,202	66,011	12
18 Singapore	1,718,765	4,709	1,502	2
19 Hong Kong	1,358,248	4,254	9,509	6
20 Mexico	6,758,656	4,209	327,730	17
21 Austria	4,748,697	4,205	19,118	12
22 Indonesia	6,210,794	3,696	157,004	11
23 Philippines	3,780,178	3,553	60,737	10
24 Malaysia	4,683,266	3,213	35,977	8
25 Denmark	3,062,990	3,006	6,671	32
29 Thailand	4,592,284	2,108	31,407	19

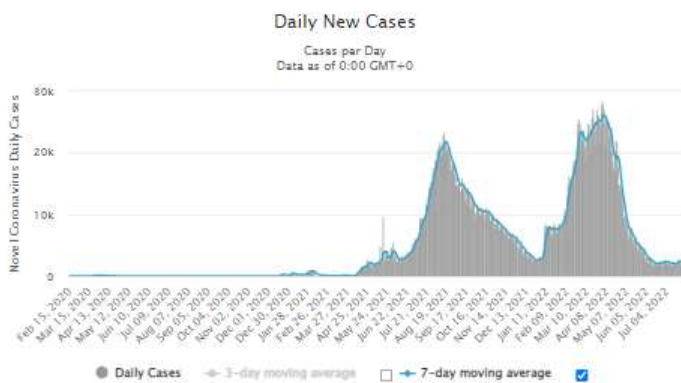
Source: worldometers.info

Exhibit 13: Global by new cases and deaths

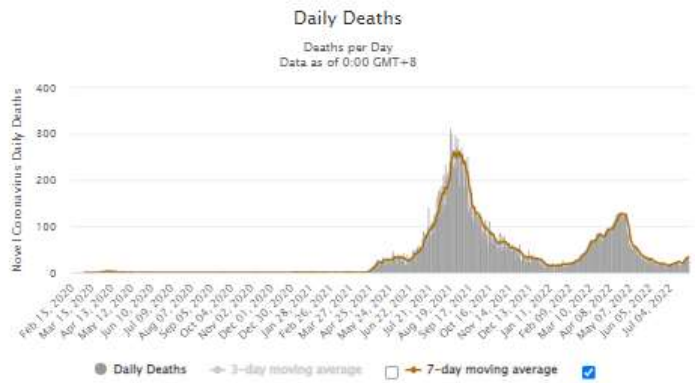


Source: worldometers.info

Daily New Cases in Thailand



Daily New Deaths in Thailand



- PM cancels planned power tariff hike** BANGKOK POST: A new higher power tariff is to be postponed following an intervention by Prime Minister Prayut Chan-o-cha to curb rising living costs, says a source at the Energy Ministry. The higher tariff was due to be imposed between September and December this year, but now it will not be increased. The new rate, which had been authorised by the Energy Regulatory Commission, was initially scheduled to be announced on Monday, according to the source who requested anonymity. The new power tariff was earlier expected to rise to 4.72 baht per kilowatt hour, up from a rate of 4 baht between May and August. The fuel tariff (Ft), a key element in the power tariff, is expected to rise to 0.93 baht per kilowatt hour, up from 0.24 baht.
- Last-mile delivery set to grow by up to 15%** BANGKOK POST: Thailand's last-mile delivery business is expected to grow 10-15% to 98 billion baht in 2022 despite intense competition and rising fuel costs, says Kasikorn Research Center (K-Research). But the growth will be slower than in 2021, which saw a surge of 41%, whipped up by the pandemic-induced lockdowns and a shift in people's shopping behaviour towards the online realm. According to K-Research, the industry will

continue to grow this year in line with the rise of e-commerce. The volume of delivered parcels is expected to surge 7-9% this year and delivery fees to rise 4-6%. Despite the prospect of double-digit growth of the last-mile delivery business in 2022, this does not mean better operating results for all the players, the research unit said.

- **TNSC recommends exporters refocus on regional markets** BANGKOK POST: Thai exporters have been warned to brace for the impact of China's economic uncertainties in the second half of the year on top of the looming global recession, runaway inflation and energy crisis. Chaichan Charoensuk, chairman of the Thai National Shippers' Council (TNSC), said exporters should have proactive measures and shift their manufacturing and export focus to regional markets such as Asean, especially Cambodia, Laos, Myanmar and Vietnam, where Thailand maintains good relations and demand for Thai products remains robust. "While the United States and Europe are seeing an economic downturn, sparking recession fears, China's economy is also likely to face slow growth this year," said Mr Chaichan. "Such a predicament will result in more difficulties for Thai exports in the remaining months of the year." On Friday, the International Monetary Fund (IMF) lowered its growth forecast for Asia Pacific this year to 4.2% -- 0.7 percentage points lower than it anticipated in April, and well below the region's 6.5% growth in 2021.
- **Carriers wary despite drop in fuel price** BANGKOK POST: Despite a downward trend in fuel prices, airlines remain cautious about energy costs and still have to maintain low fare promotions to sustain travel demand. Tassapon Bijleveld, acting chief executive of Thai AirAsia X, said the situation regarding fuel prices has seen a gradual improvement which benefitted operational costs. However, the current price is still considered to be high compared to last year which means airlines still have to carefully plan routes which can guarantee profits and tighten operational costs. He said Thai AirAsia X would increase frequencies for flights with precise demand, such as Bangkok-Seoul, which saw the average load factor hit over 90% and was almost fully booked on some flights among its four flights per week.
- **TCG urged to focus efforts on SMEs** BANGKOK POST: Finance Minister Arkhom Termpittayapaisith has directed Thai Credit Guarantee Corporation (TCG) to focus more on guarantees for small and medium-sized enterprises (SMEs) in the bio-, circular and green (BCG) sector, which the government is promoting as the country's new sustainable growth engine. He added that he wants TCG guarantees to shape SMEs' future direction and to be in line with the government's policy of promoting the BCG economic model. The minister said that SMEs can also move into the BCG sector, as it was not just for large companies. There are around 3 million SMEs in Thailand, accounting for one-third of the country's GDP.

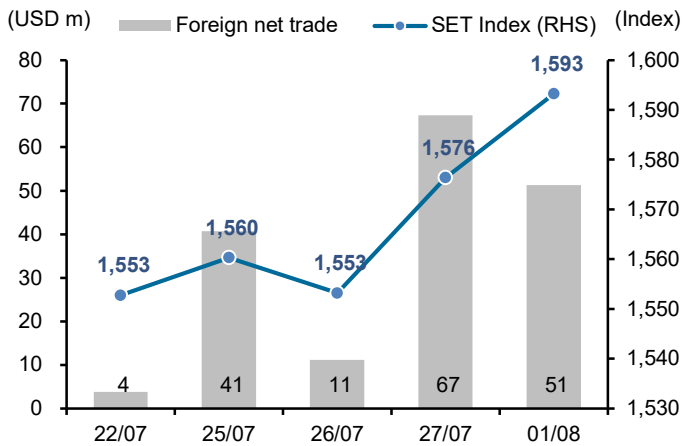
Corporate news

- **AIS presses NBTC on mega merger, Chief says regulator has legal power to nix deal** BANGKOK POST: The chief of AIS is pushing the NBTC to decide whether to approve or decline the True-DTAC mega merger, noting that the agency has the legal authority to do so. Somchai Lertsutiwong, chief executive of AIS, compared the telecom regulatory body to the Bank of Thailand, the country's central bank. Mr Somchai cited the example of when banks expressed interest in mergers, they must get approval from the central bank first because it serves as the regulatory agency for the banking sector. Likewise, if energy firms want to merge such firms must get approval from the energy regulator, he said. He added that this begs the question as to why those behind the True-DTAC deal think they do not need approval from the NBTC. When AIS said it would acquire Triple T Broadband (TTTBB) and Jasmine Broadband Internet Infrastructure Fund (JASIF), the firm submitted its request for the NBTC to approve.
- **Na Jomtien to reopen fully in 2025** BANGKOK POST: Chon Buri: The 3.5-kilometre-long Na Jomtien beach in Pattaya City is expected to fully reopen to tourists in 2025 when the iconic beach is fully fortified by sand fences in a coastal erosion prevention project initiated in 2020. Construction of the 50-metre wide sand fences along the first 800-metre section of beach stretching to the south of Soi Na Jomtien 11 ended last week. The second phase of construction has now begun and is expected to end in November 2025, said Sompong Jirasirilert, deputy director-general of the Marine Department. The northern section of the beach where more sand fences are being built extends to Pattaya Water Park, north of Soi Na Jomtien 11.
- **Digital content in line for revenue surge** BANGKOK POST: The Commerce Ministry has vowed to continue supporting and promoting the digital content industry, aiming to raise 3.5 billion baht's worth of digital content export revenue this year. According to Commerce Minister Jurin Laksanawisit, his ministry sees digital content as a pivotal industry to drive economic growth this year and remains committed to positioning Thailand as Asia's leader in the sector. "The Commerce Ministry wants the country's digital content industry to use soft power to reflect Thai identity in all digital content, be it in movies, TV series, games, or animation," said Mr Jurin. "This helps to not only sell Thainess, Thai art and culture, but also add economic value to the country." According to the Commerce Ministry in 2020, Thailand's digital content industry was worth about 200 billion baht, with 153 billion baht of that stemming from the television and movie industries.
- **SAF Special Steel preps for MAI listing** BANGKOK POST: SAF Special Steel Plc, a distributor of premium steel in Thailand, is pushing ahead with its plan for an initial public offering (IPO) on the Market for Alternative Investment (MAI), as the company aims to expand its business domestically. Money from the sale of shares will be spent to support the development of a new steel and iron warehouse, new machinery and equipment, and the purchase of a modern computerised nitriding furnace, said Pisit Ariyadejwanich, chief executive of SAF Special Steel. Part of the money will be also used as working capital. "The company has filed a registration statement and draft prospectus to the Office of the Securities and Exchange Commission for the IPO," said Mr Pisit.
- **Amata upbeat on land sales in the second half** BANGKOK POST: SET-listed Amata Corporation Plc, an industrial estate developer and operator, expects investments in Thailand to recover in the second half of this year, driving up land sales on its industrial estates towards a 1,000-rai target. SET-listed Amata Corporation Plc, an industrial estate developer

and operator, expects investments in Thailand to recover in the second half of this year, driving up land sales on its industrial estates towards a 1,000-rai target. The bright prospects stem mainly from the reopening of the country and easing of measures against the Covid-19 pandemic, said Viboon Kromadit, executive director and chief marketing officer of Amata. "Amata City Chonburi and Amata Rayong will attract both foreign and local investors who already visited the sites to gather first-hand information in the first and second quarters of this year," he said. This will pave the way for their decision to buy the land in the third and fourth quarters which are viewed as the high season for land purchases in industrial estates, said Mr Viboon.

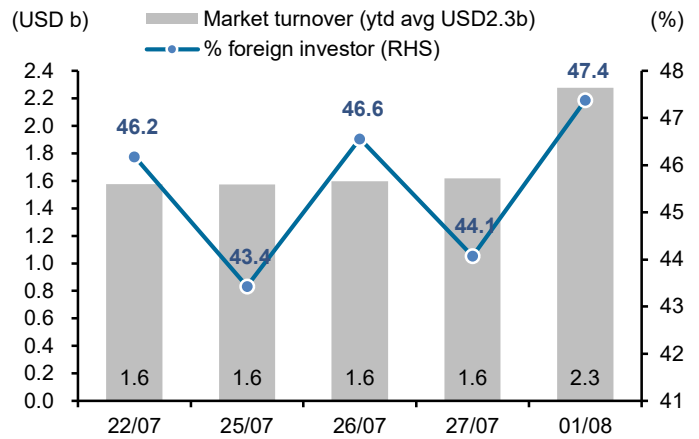
- **Family has big plans for Chevala venture, Liptapanlop family eyes wellness market** BANGKOK POST: With the global wellness industry projected to reach US\$7 trillion in 2025, Chevala Wellness, a new business under the Liptapanlop family, aims to capitalise on the trend by rolling out five branches domestically in two years before expanding to other countries. The company's wellness centre launched in Hua Hin last month with an investment of 70 million baht and another branch is set to open in Phuket or Samui within this year, said Ratkawin Jitawatanarat, medical director at Chevala. "Despite the economic downturn, the medical wellness industry in Thailand has seen annual growth of 8% since the pandemic, while the global trend also looks promising with a forecast that it will grow by 9.9% per year before reaching \$7 trillion in value in 2025. We anticipate earnings of 800 million to 1 billion baht and gaining annual profit of 15% once fully operating five branches," she said. The Liptapanlop family, which also owns the InterContinental Hua Hin Resort opposite the wellness centre, has put together a combined medical wellness package, starting from 9,500 baht for a half-day programme to 200,000 baht for an 8-day all inclusive programme.
- **Depa touts high tech farming** BANGKOK POST: Thailand's farming sector is expected to steer towards tech adoption, referred to as Agricultural 2.0 and 3.0, over the next five years, driven by lower equipment costs and the government's support, according to the Digital Economy Promotion Agency (Depa). Agricultural 2.0 refers to the adoption of machinery, sensor equipment and digital tools for some activities and initial steps to use management systems to deal with e-commerce. Agricultural 3.0 concerns the use of machinery equipped with sensors and digital equipment, coupled with specific software which can enable the collection and online transfer of data.
- **PTTEP, Eni discover new source of gas in UAE** BANGKOK POST: PTT Exploration and Production Plc (PTTEP) has discovered a new source of gas in the United Arab Emirates (UAE), described as one of its most significant discoveries in recent years. We are delighted to announce another gas discovery in the UAE," said Montri Rawanchaikul, chief executive of PTTEP. The company, through its subsidiary PTTEP Mena Co, co-invested in the gas exploration and production project with Eni Abu Dhabi BV, a subsidiary of the Rome-based multinational oil and gas company Eni, at Abu Dhabi Offshore Block 2. The PTTEP-Eni joint venture was awarded the Block 2 project in 2019 by the Abu Dhabi National Oil Company. Eni Abu Dhabi BV owns a 79% share, with the remaining 30% held by PTTEP.

Exhibit 14: Foreign fund flow and SET Index



Source: Bloomberg

Exhibit 15: Foreign participation



Source: Bloomberg

Exhibit 16: Index performance

	SET Index		Index performance (% change)								
	Index	(%chg)	Energy	Bank	Comu	Commerce	Food	Property	Construct	Transport	Petrochem
% of SET Index			22%	9%	9%	10%	6%	6%	4%	8%	3%
Current	1,593.24	1.1	0.9	(0.2)	1.4	0.4	0.7	1.9	(1.1)	1.2	1.8
-5D	1,546.31	3.0	2.5	3.7	(0.0)	2.1	1.5	4.5	0.1	2.0	0.7
-1M	1,572.67	1.3	1.5	(1.8)	0.2	0.4	(2.5)	2.6	(2.0)	0.1	(2.1)
-3M	1,667.44	(4.4)	(1.8)	(5.2)	(20.3)	(9.7)	(3.0)	(2.8)	(2.4)	2.4	(5.2)
-6M	1,667.75	(4.5)	(2.4)	(15.5)	(10.5)	(6.4)	(2.5)	(2.5)	(6.7)	5.5	(12.2)
-1Y	1,525.11	4.5	10.4	14.0	17.9	(0.9)	(6.4)	17.0	(13.1)	10.5	(3.4)
WTD	1,576.41	1.1	0.9	(0.2)	1.4	0.4	0.7	1.9	(1.1)	1.2	1.8
MTD	1,576.41	1.1	0.9	(0.2)	1.4	0.4	0.7	1.9	(1.1)	1.2	1.8
QTD	1,568.33	1.6	2.0	(1.4)	0.4	1.2	(2.6)	2.9	(1.7)	(0.1)	(3.1)
End of 2021	1,657.62	(3.9)	(1.0)	(12.3)	(9.6)	(5.7)	(3.2)	0.5	(7.0)	7.1	(9.6)

Source: Bloomberg

Exhibit 17: Trade by investor types

	SET Index		Exchange rate (USD:THB)	SET Index		Equity trading / Net position				Bond Net foreign (USD m)
	Index	Change (y-y%)		Average daily turnover (THB m)	(USD m)	Foreign (USD m)	Retail (USD m)	PropTrade (USD m)	Local Inst (USD m)	
2018	1,563.88	(10.8)	32.32	56,370	1,744	(8,913)	3,571	(478)	5,799	8,855
2019	1,579.84	1.0	31.06	52,468	1,689	(1,496)	(662)	477	1,681	(502)
2020	1,449.35	(8.3)	31.29	67,335	2,152	(8,287)	6,873	459	953	(1,005)
2021	1,657.62	14.4	32.00	88,443	2,764	(1,632)	3,630	435	(2,330)	6,550
2022YTD	1,593.24	(3.9)	34.08	77,476	2,273	3,621	(683)	25	(2,963)	3,323
1Q21	1,587.21	41.0	30.26	93,653	3,095	(987)	1,622	129	(764)	128
2Q21	1,587.79	18.6	31.36	94,016	2,998	(1,482)	1,973	85	(574)	2,442
3Q21	1,605.68	29.8	32.92	86,406	2,625	(8)	(178)	189	97	632
4Q21	1,657.62	14.4	33.38	79,917	2,394	845	213	32	(1,089)	3,348
1Q22	1,695.24	6.8	33.04	89,343	2,704	3,369	(902)	32	(2,495)	2,613
2Q22	1,568.33	(1.2)	34.40	70,765	2,057	72	126	10	(212)	663
3Q22	1,593.24	(0.8)	36.37	58,263	1,602	179	94	(18)	(255)	47
Jan-22	1,648.81	12.4	33.22	87,540	2,635	432	221	104	(756)	2,434
Feb-22	1,685.18	12.6	32.65	91,300	2,796	1,931	(863)	142	(1,208)	2,201
Mar-22	1,695.24	6.8	33.26	89,189	2,682	1,006	(260)	(215)	(531)	(2,023)
Apr-22	1,667.44	5.3	33.83	71,959	2,127	321	109	(40)	(391)	227
May-22	1,663.41	4.4	34.39	73,281	2,131	592	(771)	50	128	876
Jun-22	1,568.33	(1.2)	34.97	67,056	1,917	(841)	789	1	50	(440)
Jul-22	1,576.41	3.6	36.37	58,263	1,602	128	156	(12)	(271)	(96)
Aug-22	1,593.24	(2.8)	36.01	82,257	2,284	51	(62)	(5)	16	144
2022YTD	1,593.24	(3.9)	34.08	77,476	2,273	3,621	(683)	25	(2,963)	3,323
7/25/2022	1,560.31		36.62	57,748	1,577	41	(96)	8	47	5
7/26/2022	1,553.18		36.69	58,698	1,600	11	30	14	(55)	(37)
7/27/2022	1,576.41		36.81	59,390	1,614	67	(72)	(12)	17	(21)
8/1/2022	1,593.24		36.01	82,257	2,284	51	(62)	(5)	16	144

Source: Bloomberg

Exhibit 18: Upcoming events

Date Time	Event		Survey	Actual	Prior	Revised
08/01/2022 07:30	S&P Global Thailand PMI Mfg	Jul	--	52.4	50.7	--
08/01/2022 14:30	Business Sentiment Index	Jul	--	49.4	50.5	--
08/04/2022 10:00	Consumer Confidence Economic	Jul	--	--	35.7	--
08/04/2022 10:00	Consumer Confidence	Jul	--	--	41.6	--
08/05/2022 10:30	CPI YoY	Jul	8.00%	--	7.66%	--
08/05/2022 10:30	CPI NSA MoM	Jul	0.00%	--	0.90%	--
08/05/2022 10:30	CPI Core YoY	Jul	2.60%	--	2.51%	--
08/05/2022 14:30	Forward Contracts	29-Jul	--	--	\$28.6b	--
08/05/2022 14:30	Foreign Reserves	29-Jul	--	--	\$218.0b	--
08/10/2022 14:00	BoT Benchmark Interest Rate	10-Aug	--	--	0.50%	--
08/11/2022 14:30	Forward Contracts	5-Aug	--	--	--	--
08/11/2022 14:30	Foreign Reserves	5-Aug	--	--	--	--
08/15/2022 09:30	GDP SA QoQ	2Q	--	--	1.10%	--
08/15/2022 09:30	GDP YoY	2Q	--	--	2.20%	--
08/18/2022 08/24	Car Sales	Jul	--	--	67952	--
08/19/2022 14:30	Forward Contracts	12-Aug	--	--	--	--
08/19/2022 14:30	Foreign Reserves	12-Aug	--	--	--	--
08/23/2022 11:30	Bloomberg Aug. Thailand Economic Survey					
08/24/2022 10:30	Customs Exports YoY	Jul	--	--	11.90%	--
08/24/2022 10:30	Customs Imports YoY	Jul	--	--	24.50%	--
08/24/2022 10:30	Customs Trade Balance	Jul	--	--	-\$1529m	--
08/26/2022 14:30	Forward Contracts	19-Aug	--	--	--	--
08/26/2022 14:30	Foreign Reserves	19-Aug	--	--	--	--
08/26/2022 08/30	Mfg Production Index ISIC NSA YoY	Jul	--	--	-0.08%	--
08/26/2022 08/30	Capacity Utilization ISIC	Jul	--	--	62.41	--
08/31/2022 14:00	BoP Current Account Balance	Jul	--	--	-\$1873m	--
08/31/2022 14:30	Exports YoY	Jul	--	--	11.10%	--
08/31/2022 14:30	Exports	Jul	--	--	\$26234m	--
08/31/2022 14:30	Imports YoY	Jul	--	--	24.30%	--
08/31/2022 14:30	Imports	Jul	--	--	\$24175m	--
08/31/2022 14:30	Trade Balance	Jul	--	--	\$2059m	--
08/31/2022 14:30	BoP Overall Balance	Jul	--	--	-\$3308m	--
09/01/2022 07:30	S&P Global Thailand PMI Mfg	Aug	--	--	52.4	--
09/01/2022 14:30	Business Sentiment Index	Aug	--	--	49.4	--

Source: Bloomberg

Exhibit 19: Management trading

Company	Management	Securities	Transaction	Shares	Price (THB)	Action	Value (THBm)
Prinsiri (PRIN)	Prinya Kovitchindachai	Common Shares	26/07/2022	540,200	2.90	Buy	1.57
Prinsiri (PRIN)	Prinya Kovitchindachai	Common Shares	27/07/2022	110,000	2.90	Buy	0.32

Source: SEC

Exhibit 20: Upcoming XM

Symbol	X-Date	Meeting Date	Type of Meeting	Agenda	Venue
TGH	8/3/2022	8/26/2022	EGM	The change of the Company's seal, acknowledge the progress and approve the approach of non-life insurance business of the Company's group business	E-EGM
GLOCON	8/8/2022	9/8/2022	EGM	Paid up capital reduction	E-EGM
BAY	8/9/2022	9/1/2022	EGM	Acquisition and disposition of assets, Changing the director(s)	E-EGM
STHAI	8/11/2022	9/9/2022	EGM	To Consider and approve the amendment of the Memorandum of Association Clause 3. (Objectives) by increasing the Company's objectives to operate And sell steam	E-EGM
STARK	9/9/2022	10/12/2022	EGM	Acquisition and disposition of assets	E-EGM

Source: SET

Exhibit 21: New securities

Common Shares	Trade Date	Market	Industry	Sector	Subscription on Date	IPO Price (Baht)	Listed Shares (Shares)
YONG	2/8/2022	mai	Property & Construction		21/07/2022 - 25/07/2022	2.5	680,000,000
Derivative Warrants	Trade Date	Underlying	Issuer	DW Type	Market	Maturity Date	Exercise Price (Baht)
AIA28C2301A	2/8/2022	AIA	MACQ	Call	SET	3/2/2023	100
AP13C2212A	2/8/2022	AP	KGI	Call	SET	15/12/2022	13.4
BEC01C2212A	2/8/2022	BEC	BLS	Call	SET	5/1/2023	17.1
BGRIM13C2212A	2/8/2022	BGRIM	KGI	Call	SET	15/12/2022	48
BLA01C2212A	2/8/2022	BLA	BLS	Call	SET	5/1/2023	52
BTS13C2212A	2/8/2022	BTS	KGI	Call	SET	15/12/2022	11
CBG01P2212A	2/8/2022	CBG	BLS	Put	SET	6/1/2023	76.25
CENTEL28C2302A	2/8/2022	CENTEL	MACQ	Call	SET	8/2/2023	40.75
CK01C2301A	2/8/2022	CK	BLS	Call	SET	3/2/2023	28.25
CPF28C2302A	2/8/2022	CPF	MACQ	Call	SET	8/2/2023	25.25
CRC19C2212A	2/8/2022	CRC	YUANTA	Call	SET	9/12/2022	47.82
DTAC01C2212X	2/8/2022	DTAC	BLS	Call	SET	5/1/2023	60.5
ESSO01C2212A	2/8/2022	ESSO	BLS	Call	SET	5/1/2023	14.7
ESSO01P2212A	2/8/2022	ESSO	BLS	Put	SET	5/1/2023	6.95
HMPRO01C2301A	2/8/2022	HMPRO	BLS	Call	SET	3/2/2023	17.1
HSI28C2210B	2/8/2022	HSI	MACQ	Call	SET	3/11/2022	23,000.00
HSI28C2211A	2/8/2022	HSI	MACQ	Call	SET	3/12/2022	24,600.00
HSI28P2210B	2/8/2022	HSI	MACQ	Put	SET	3/11/2022	17,400.00
HSI28P2211A	2/8/2022	HSI	MACQ	Put	SET	3/12/2022	18,000.00
IRPC28C2302A	2/8/2022	IRPC	MACQ	Call	SET	8/2/2023	3.18
JD28C2301A	2/8/2022	JD	MACQ	Call	SET	3/2/2023	315
KBANK01C2212T	2/8/2022	KBANK	BLS	Call	SET	5/1/2023	138
KBANK28C2212A	2/8/2022	KBANK	MACQ	Call	SET	20/12/2022	170
MEGA01C2212A	2/8/2022	MEGA	BLS	Call	SET	5/1/2023	66.5
OR13C2212A	2/8/2022	OR	KGI	Call	SET	15/12/2022	31
OR28C2302A	2/8/2022	OR	MACQ	Call	SET	8/2/2023	25.25
OSP01P2212A	2/8/2022	OSP	BLS	Put	SET	5/1/2023	22.7
PINGAN28C2301A	2/8/2022	PINGAN	MACQ	Call	SET	3/2/2023	56.5
PTT13P2212A	2/8/2022	PTT	KGI	Put	SET	15/12/2022	24.7
PTTEP19P2212A	2/8/2022	PTTEP	YUANTA	Put	SET	9/12/2022	115
PTTGC01C2212A	2/8/2022	PTTGC	BLS	Call	SET	5/1/2023	56.5
SCB01C2212T	2/8/2022	SCB	BLS	Call	SET	6/1/2023	103.5
SCB01P2212X	2/8/2022	SCB	BLS	Put	SET	6/1/2023	75.5
SCGP01C2212X	2/8/2022	SCGP	BLS	Call	SET	5/1/2023	68.5
STA01C2212A	2/8/2022	STA	BLS	Call	SET	5/1/2023	28
TTB01C2301A	2/8/2022	TTB	BLS	Call	SET	3/2/2023	1.62

Source: SET

Exhibit 22: Upcoming XR

Symbol	X-Date	Announce Date	Rights for	Subscription Price	Unit	Subscription Ratio (Holding:New)	Allotted Shares (Shares)
MACO	8/4/2022	5/25/2022	Warrants	-	Baht	4 : 1	2,029,493,030
BR	8/18/2022	7/5/2022	Warrants	-	Baht	2 : 1	456,723,279
JP	8/23/2022	6/28/2022	Warrants	-	Baht	2 : 1	227,500,000
MBAX	8/24/2022	6/29/2022	Warrants	-	Baht	3 : 1	63,965,047
SABUY	9/1/2022	6/24/2022	Warrants	-	Baht	5 : 2	616,428,376

Source: SET

Exhibit 23: Upcoming XD

Symbol	X-Date	Announce Date	Dividend (per Share)	Unit	Operation Period	Source of Dividend	Payment Date
BTS	8/3/2022	5/30/2022	0.16	Baht	01/04/2021 - 31/03/2022	Both	8/23/2022
KYE	8/3/2022	6/16/2022	8.55	Baht	01/04/2021 - 31/03/2022	NP	8/22/2022
TMW	8/3/2022	6/7/2022	0.9	Baht	01/04/2021 - 31/03/2022	NP	8/22/2022
BLAND	8/3/2022	5/30/2022	0.03	Baht	-	RE	8/22/2022
PTL	8/5/2022	5/23/2022	0.34	Baht	01/04/2021 - 31/03/2022	NP	8/25/2022
SCGP	8/8/2022	7/26/2022	0.25	Baht	01/01/2022 - 30/06/2022	NP	8/24/2022
BMSCITH	8/8/2022	7/25/2022	0.3	Baht	-	RE	8/24/2022
SCC	8/10/2022	7/27/2022	6	Baht	01/01/2022 - 30/06/2022	NP	8/26/2022
RAM	8/10/2022	7/27/2022	0.25	Baht	-	RE	8/26/2022

Source: SET