

7 MAY 2024

EQUITY RESEARCH - COMPANY REPORT

AIRPORTS OF THAILAND

THAILAND / TRANSPORT & LOGISTICS

AOT TB

FINANSIA
FSS INTERNATIONAL INVESTMENT ADVISORY

FSSIA ESG rating ★★★★

BUY

UNCHANGED

TARGET PRICE	THB75.00
CLOSE	THB65.75
UP/DOWNSIDE	+14.1%
PRIOR TP	THB75.00
CHANGE IN TP	UNCHANGED
TP vs CONSENSUS	+2.3%

Solid recovery on the cards in 2QFY24

- Expect 2QFY24 core profit to grow 27% q-q and 207% y-y to THB5.9b, driven by strong recovery of international passengers.
- Third runway of Suvarnabhumi Airport to start operating in July, lifting flight capacity by 38%.
- Maintain BUY with FY24 DCF-based TP of THB75/shr.

2QFY24 international passengers recovered to 83% of pre-Covid

Passenger volume grew by 22% y-y in 2QFY24 (Jan-Mar), driven by a 43% y-y higher international passenger volume (accounting for 83% of pre-Covid). We estimate passenger service charge (PSC) revenue to grow by 44% y-y to THB6.8b thanks to the strong international passenger volume and the increase in PSC by THB30 per passenger. Concession revenue should jump by 120% y-y and exceed pre-Covid by 30-35% due to the minimum guarantee from King Power's contracts. Overall, we expect revenue to increase by 61% y-y and expenses to increase by 20% y-y, leading core profit to surge by 207% y-y to THB5.9b.

Third runway and SAT-1 to attract more flights

Construction on Suvarnabhumi Airport's third runway is complete and is scheduled to start operating in July. It will lift capacity from 68 to 94 flights/hour. This should support the SAT-1 terminal, which opened in Sep-23, and lift the airport's airside capacity from 45 to 60 million annual passengers. We expect to see the airline book more flight slots after the third runway starts operating, leading to a higher passenger volume.

Potential upside for passenger volume in FY25

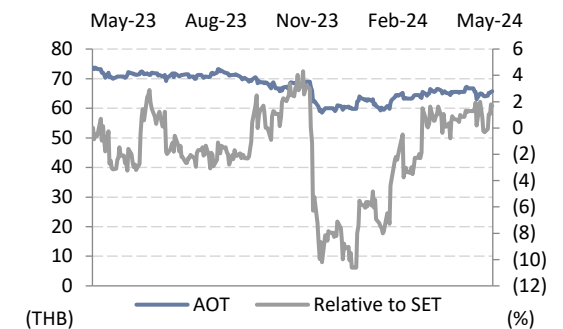
Passenger volume recovered to 61.2m in 1HFY24 (82% of pre-Covid) and accounted for 50% of our FY24E. We see a slight upside to our FY24 international passenger forecast, given that it ramped up to 36.8m in 1HFY24 (84% of pre-Covid) and accounted for 52% of our FY24E. The major upside may arise in 4Q24 (1QFY25 for AOT), the next high tourism season, and could provide an upside to AOT in FY25, premised on an upside to 2024 tourist arrivals of 36-37m (vs our current forecast of 35m).

Declining AR to relieve market concern

AOT's share price has moved sideways down by 10% over the past year and trades at an attractive valuation of 34x FY25E P/E (vs 5-yr avg. of 44x). This is possibly due to concern over the concession contracts from King Power and the rising trend of accounts receivable (AR) from THB3.8b in FY22 to THB14.0b in 1QFY23. We believe AR will start to decline in 2QFY24 (or 3QFY24 at the latest), given that the credit term (for the difference between the minimum guarantee and revenue sharing amount for six months) that AOT granted to concessionaire operators will end in Apr-24. This would relieve the market's concern, in our view.

KEY STOCK DATA

YE Sep (THB m)	2023	2024E	2025E	2026E
Revenue	48,141	64,796	75,755	84,648
Net profit	8,791	19,480	27,869	34,177
EPS (THB)	0.62	1.36	1.95	2.39
vs Consensus (%)	-	(8.8)	1.0	7.8
EBITDA	23,230	38,037	48,460	56,808
Recurring net profit	9,247	19,480	27,869	34,177
Core EPS (THB)	0.65	1.36	1.95	2.39
Chg. In EPS est. (%)	-	-	-	-
EPS growth (%)	nm	110.7	43.1	22.6
Core P/E (x)	101.6	48.2	33.7	27.5
Dividend yield (%)	-	0.9	1.4	1.7
EV/EBITDA (x)	42.9	25.8	20.0	16.9
Price/book (x)	8.5	7.2	6.3	5.5
Net debt/Equity (%)	49.4	30.0	19.4	10.2
ROE (%)	8.7	16.2	20.0	21.4



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	0.8	4.8	(10.2)
Relative to country (%)	1.2	5.9	0.5
Mkt cap (USD m)	25,521		
3m avg. daily turnover (USD m)	32.6		
Free float (%)	30		
Major shareholder	Ministry of Finance (70%)		
12m high/low (THB)	74.25/58.00		
Issued shares (m)	14,285.70		

Sources: Bloomberg consensus; FSSIA estimates



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The Chairman of The Audit Committee and Independent Director of Finansia Syrus Securities PCL is also AOT's Chairman of Board of Directors.

Investment thesis

AOT is now in a recovery mode. The domestic passenger volume was at 82% of the pre-Covid level, and the international passenger volume was at 88% of the pre-Covid level in Apr-24. The momentum should continue in 2024-25, led by Chinese tourists.

AOT has started collecting the minimum guarantee (MG) for main concession contracts with King Power under a sharing-per-head basis since Apr-23. We forecast AOT to collect an MG amount equivalent to the amount that King Power proposed (THB23.5b) by 2027, under our baseline case.

AOT has a healthy balance sheet with an IBD/E ratio of only 0.1x as of FY23, which we think is sufficient to support project expansions over the next three years, including a third runway and the East and North Expansions of BKK Airport.

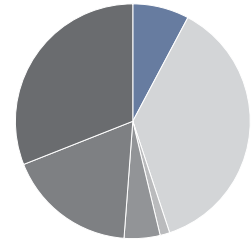
Company profile

AOT is the operator and developer of the six international airports in Thailand (BKK, DMK, HKT, CNX, HDY and CEI).

www.airportthai.co.th

Principal activities (revenue, 2023)

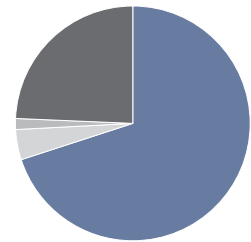
- Landing & parking - 7.8 %
- Passenger service - 37.1 %
- Aircraft service - 1.3 %
- Property rents - 4.9 %
- Service revenue - 17.8 %
- Concession revenue - 31.0 %



Source: Airports of Thailand

Major shareholders

- Ministry of Finance - 70.0 %
- Thai NVDR - 4.2 %
- South East Asia UK - 1.5 %
- Others - 24.3 %



Source: Airports of Thailand

Catalysts

Key growth drivers include 1) higher international passenger volumes; 2) BKK's East Expansion project; and 3) the transfer of new airports from the Department of Airports.

Risks to our call

Downside risks to our DCF-based target price include 1) a slowdown in the recovery of international passengers; 2) delays in the Suvarnabhumi Airport expansions (satellite terminal and northern expansion); and 3) the termination of the duty-free concession contracts from King Power.

Event calendar

Date	Event
May 2024	2QFY24 results announcement

Key assumptions

	FY24E	FY25E	FY26E
	(%)	(%)	(%)
Flight traffic growth - international	30.1	17.8	7.0
Flight traffic growth - domestic	13.2	11.9	5.0
Passenger growth - international	32.3	17.8	8.0
Passenger growth - domestic	11.9	11.9	6.0
PSC revenue growth	33.8	20.9	7.8
Concession revenue growth	65.8	15.9	18.5

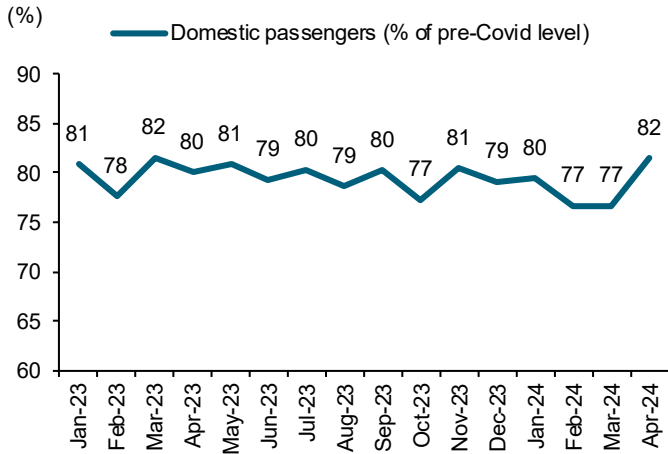
Source: FSSIA estimates

Earnings sensitivity

- For every 5% increase in international passenger volume, we project FY25 earnings to rise by 6%, and vice versa, all else being equal.
- For every 5% increase in domestic passenger volume, we project FY25 earnings to rise by 1%, and vice versa, all else being equal.

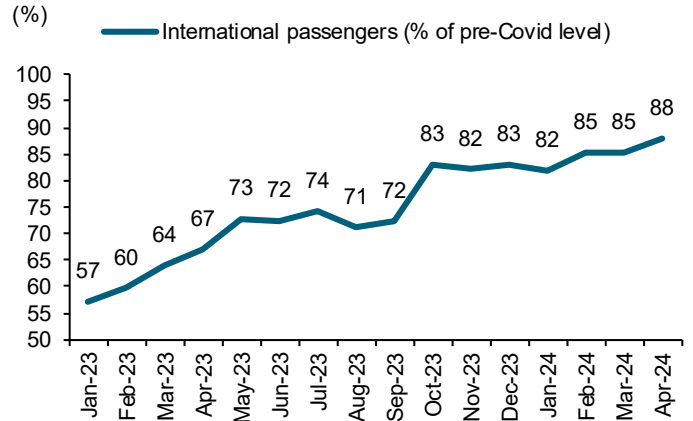
Source: FSSIA estimates

Exhibit 1: Domestic passenger volume vs pre-Covid level



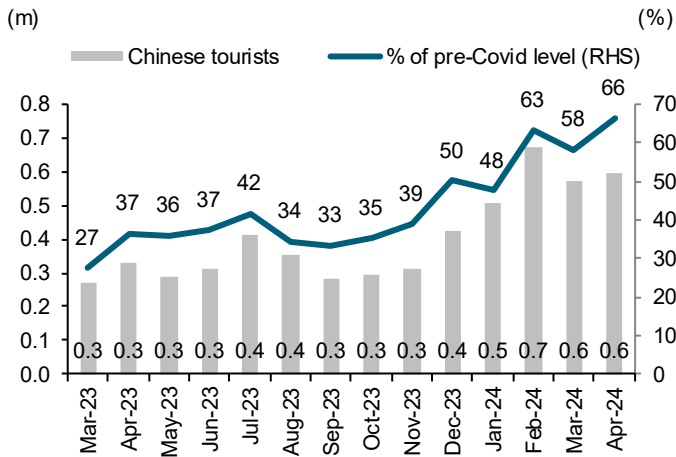
Source: AOT

Exhibit 2: International passenger volume vs pre-Covid level



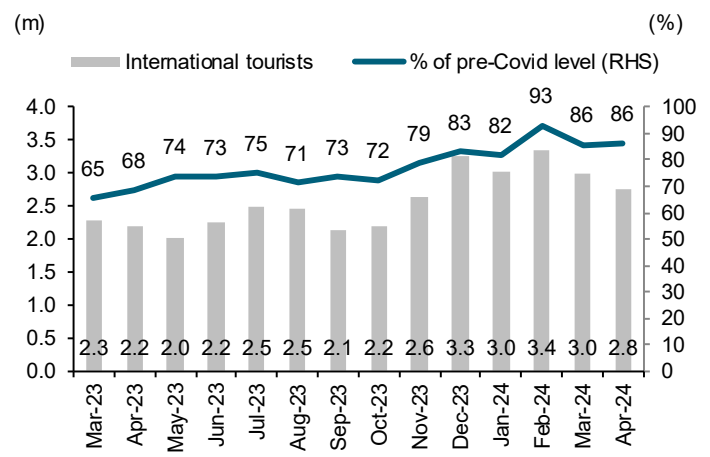
Source: AOT

Exhibit 3: Inbound Chinese tourist arrivals, monthly



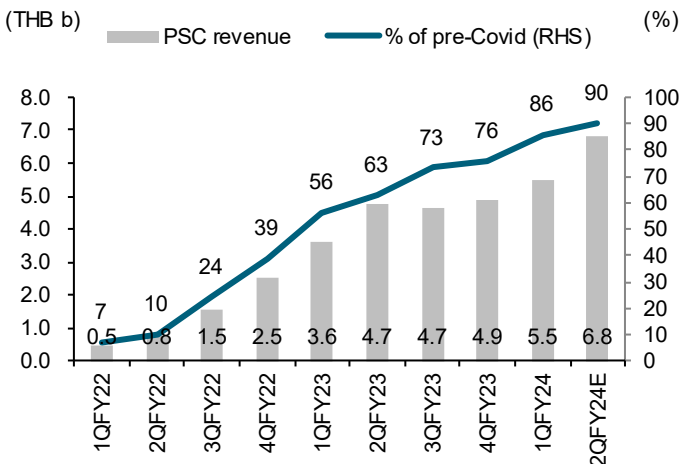
Source: Ministry of Tourism and Sports; FSSIA estimates

Exhibit 4: Inbound total tourist arrivals, monthly



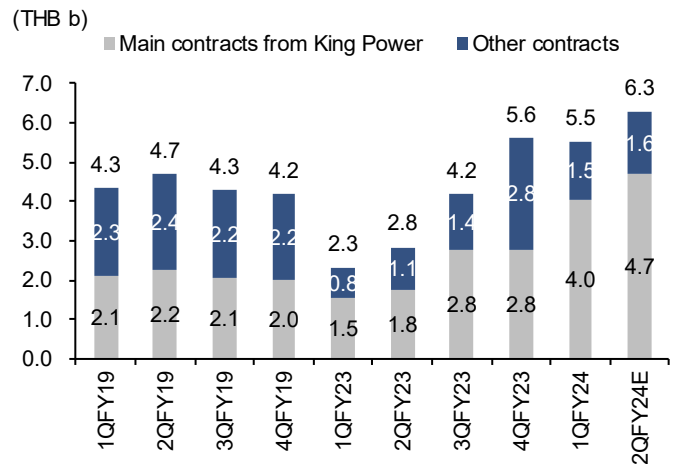
Source: Ministry of Tourism and Sports; FSSIA estimates

Exhibit 5: Passenger service charge (PSC) revenue



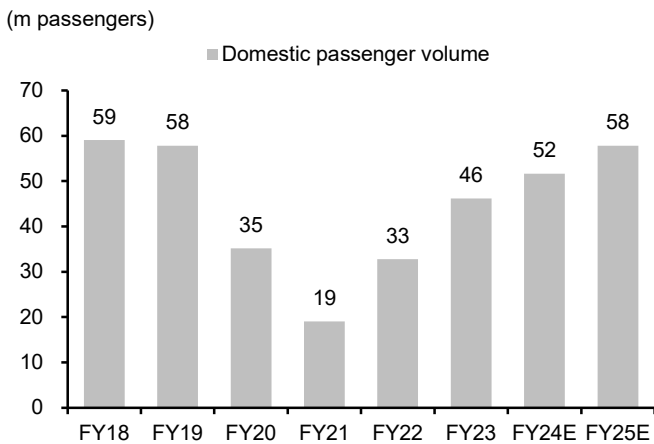
Source: AOT; FSSIA estimates

Exhibit 6: Concession revenue



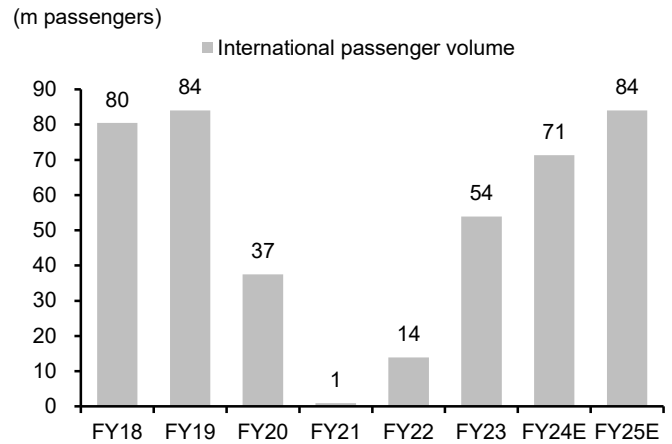
Note: Main contracts from King Power include duty-free and commercial activities at Suvarnabhumi Airport and duty-free at regional airports.
Source: AOT; FSSIA estimates

Exhibit 7: Domestic passenger volume



Source: AOT; FSSIA estimates

Exhibit 8: International passenger volume



Source: AOT; FSSIA estimates

Exhibit 9: 2QFY23 results preview

	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24E	----- Change -----		FY24E	Change
	(THB m)	(THB m)	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(y-y %)
Sales	11,001	12,954	15,362	15,708	17,705	13	61	64,796	35
Expense (Incl. depreciation)	(7,927)	(8,107)	(10,214)	(9,165)	(9,529)	4	20	(38,309)	13
Operating profit	3,074	4,847	5,148	6,543	8,176	25	166	26,487	84
Net other income	68	90	69	48	48	0	(30)	433	60
Interest income	5	7	7	15	10	(31)	110	38	60
Interest expense	(723)	(719)	(720)	(692)	(692)	0	(4)	(2,817)	(3)
Pretax profit	2,423	4,226	4,503	5,913	7,541	28	211	24,140	105
Income tax	(432)	(822)	(865)	(1,148)	(1,508)	31	249	(4,345)	94
Associates	(0)	(0)	(0)	(0)	0			(0)	
Minority interest	(71)	(151)	0	(119)	(137)	15	93	(314)	12
Core profit	1,920	3,253	3,639	4,645	5,896	27	207	19,480	111
Extraordinaries	(65)	(141)	(161)	(81)	0			0	(100)
Forex gain/(loss)	8	99	(100)	(14)	0			0	(100)
Derivative gain/(loss)	(2)	(55)	54	13	0				
Reported net profit	1,861	3,156	3,432	4,563	5,896	29	217	19,480	122
Shares (end Q, m)	14,286	14,286	14,286	14,286	14,286	0	0	14,286	0
Core EPS (THB)	0.13	0.23	0.25	0.33	0.41	27	207	1.36	111
EPS (THB)	0.13	0.22	0.24	0.32	0.41	29	217	1.36	122
Expenses (excl depreciation)	(5,761)	(5,937)	(7,903)	(6,346)	(6,683)	5	16	(26,759)	7
Depreciation	(2,166)	(2,170)	(2,311)	(2,819)	(2,847)	1	31	(11,550)	30
EBITDA	5,239	7,017	7,459	9,361	11,022	18	110	38,037	64
Key ratios	(%)	(%)	(%)	(%)	(%)	(ppt)	(ppt)	(%)	(%)
Operating profit margin	28	37	34	42	46	5	18	41	11
EBITDA margin	48	54	49	60	62	3	15	59	10
Net profit margin	17	24	22	29	33	4	16	30	12
Operating stats	(y-y %)	(y-y %)	(y-y %)	(y-y %)	(y-y %)				
International pax growth	817	243	102	54	43				
Domestic pax growth	68	17	7	(0)	(0)				
Total pax growth	196	85	48	25	22				

Sources: AOT; FSSIA estimates

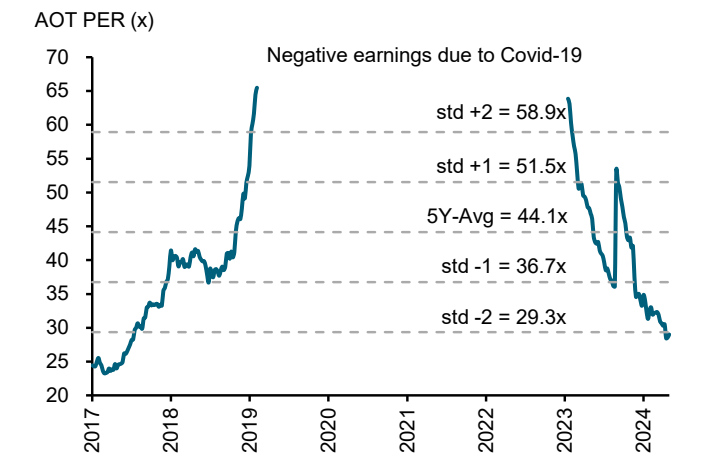
Exhibit 10: DCF/SoTP valuation

Cost of equity assumptions		(%)	Cost of debt assumptions		(%)
Risk-free rate		3.0	Pre-tax cost of debt		3.5
Market risk premium		8.0	Marginal tax rate		20.0
Stock beta		0.9			
Cost of equity, Ke		10.2	Net cost of debt, Kd		2.8
Weight applied		70.0	Weight applied		30.0
WACC		8.0			

SOTP valuation	(THB b)	(THB/share)	Comments
Duty-free and commercial activity concession contracts	445.3	31.2	WACC 8%, risk-free rate 3%, risk premium 8%, terminal growth 3%
Core business	667.3	46.7	WACC 8%, risk-free rate 3%, risk premium 8%, terminal growth 3%
Cash & liquid assets	67.4	4.7	At end-FY24E
Investments	1.0	0.1	At end-FY24E
Debt	(107.0)	(7.5)	At end-FY24E
Minorities	(2.0)	(0.1)	At end-FY24E
Residual ordinary equity	1,071.8	75.0	

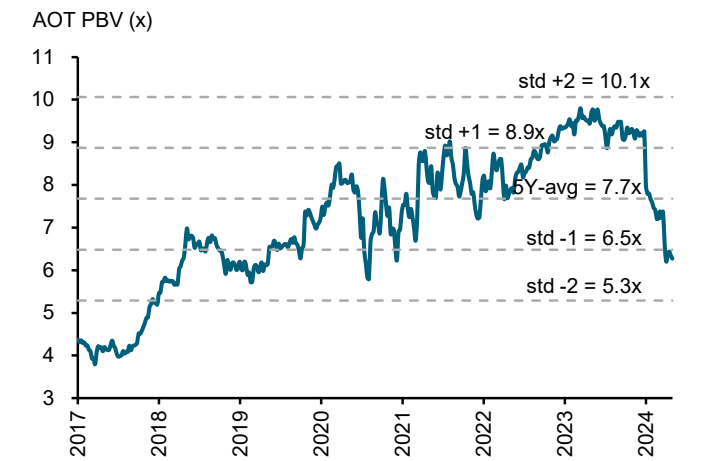
Source: FSSIA estimates

Exhibit 11: Rolling one-year forward P/E band



Sources: Bloomberg; FSSIA estimates

Exhibit 12: Rolling one-year forward P/BV band



Sources: Bloomberg; FSSIA estimates

Exhibit 13: Peer comparisons as of 3 May 2024

Company	BBG	Rec	--- Share price ---		Market cap (USD m)	3Y EPS CAGR (%)	----- PE -----			--- ROE ---		--- PBV ---		--- EV/ EBITDA ---		
			Current (THB)	Target (THB)			24E (x)	25E (x)	26E (x)	24E (%)	25E (%)	24E (x)	25E (x)	24E (x)	25E (x)	26E (x)
Thailand																
Airports of Thailand**	AOT TB	BUY	65.75	75.00	25,521	55	48.2	33.7	27.5	16.2	20.0	7.2	6.3	25.8	20.0	16.9
Malaysia																
Malaysia Airports	MAHB MK	n/a	10.20	NR	3,660	23	43	23	19	5.8	9.8	2.4	2.2	10.2	7.9	7.9
China																
Beijing Capital Intl -A	694 HK	n/a	2.66	NR	1,528	(46)	n/a	n/a	20	(7.9)	(1.2)	0.7	0.7	52.1	12.3	12.3
Hainan Meilan Intl	357 HK	n/a	7.79	NR	469	(193)	n/a	28	11	0.3	4.0	0.8	0.8	5.2	4.4	4.4
Shanghai Intl Airport-A	600009 CH	n/a	37.46	NR	12,810	48	97	30	22	2.3	6.6	2.3	2.1	28	16.6	16.6
Guangzhou Baiyun Intl	600004 CH	n/a	10.45	NR	3,401	(201)	50.8	20.4	16.4	2.5	6.3	1.4	1.3	10.4	8.3	8.3
Shenzhen Airport -A	000089 CH	n/a	7.04	NR	1,998	223	43	31.5	21.9	3.7	4.2	1.3	1.3	15	13.1	13.1
Xiamen Int Airport -A	600897 CH	n/a	14.04	NR	801	(421)	15	12.2	11	9.5	11.4	1.4	1.4	5.5	4.5	4.5
Australia																
Auckland Intl Airport**	AIA AU	n/a	7.13	NR	6,994	n/a	82	41.6	38.0	1.7	3.2	1.4	1.4	34.6	22.4	22.4
Japan																
Japan Airport Termi***	9706 JP	n/a	5,594	NR	3,358	(260)	n/a	10.4	28.8	3.4	10.4	3.4	3.2	33	11.3	11.3
Average					60,538	160	54.2	25.7	21.7	3.7	7.5	2.2	2.1	21.9	12.1	11.8

* Fiscal year-end is 30 September; ** Fiscal year-end is 30 June; *** Fiscal year-end is 31 March

Sources: Bloomberg consensus; +FSSIA estimates

Financial Statements

Airports of Thailand

Profit and Loss (THB m) Year Ending Sep	2022	2023	2024E	2025E	2026E
Revenue	16,560	48,141	64,796	75,755	84,648
Cost of goods sold	(26,891)	(33,782)	(38,309)	(39,124)	(39,840)
Gross profit	(10,331)	14,359	26,487	36,630	44,808
Other operating income	-	-	-	-	-
Operating costs	0	0	0	0	0
Operating EBITDA	(1,400)	23,230	38,037	48,460	56,808
Depreciation	(8,932)	(8,870)	(11,550)	(11,830)	(12,000)
Goodwill amortisation	-	-	-	-	-
Operating EBIT	(10,331)	14,359	26,487	36,630	44,808
Net financing costs	(2,882)	(2,867)	(2,780)	(2,252)	(2,080)
Associates	0	0	0	0	0
Recurring non-operating income	265	271	433	454	468
Non-recurring items	(915)	(457)	0	0	0
Profit before tax	(13,864)	11,307	24,140	34,833	43,197
Tax	2,888	(2,235)	(4,345)	(6,618)	(8,639)
Profit after tax	(10,976)	9,072	19,795	28,215	34,557
Minority interests	(112)	(281)	(314)	(346)	(380)
Preferred dividends	-	-	-	-	-
Other items	-	-	-	-	-
Reported net profit	(11,088)	8,791	19,480	27,869	34,177
Non-recurring items & goodwill (net)	915	457	0	0	0
Recurring net profit	(10,173)	9,247	19,480	27,869	34,177
Per share (THB)					
Recurring EPS *	(0.71)	0.65	1.36	1.95	2.39
Reported EPS	(0.78)	0.62	1.36	1.95	2.39
DPS	0.00	0.00	0.60	0.90	1.10
Diluted shares (used to calculate per share data)	14,286	14,286	14,286	14,286	14,286
Growth					
Revenue (%)	133.7	190.7	34.6	16.9	11.7
Operating EBITDA (%)	nm	nm	63.7	27.4	17.2
Operating EBIT (%)	nm	nm	84.5	38.3	22.3
Recurring EPS (%)	nm	nm	110.7	43.1	22.6
Reported EPS (%)	nm	nm	121.6	43.1	22.6
Operating performance					
Gross margin inc. depreciation (%)	(62.4)	29.8	40.9	48.4	52.9
Gross margin exc. depreciation (%)	(8.5)	48.3	58.7	64.0	67.1
Operating EBITDA margin (%)	(8.5)	48.3	58.7	64.0	67.1
Operating EBIT margin (%)	(62.4)	29.8	40.9	48.4	52.9
Net margin (%)	(61.4)	19.2	30.1	36.8	40.4
Effective tax rate (%)	22.3	19.0	18.0	19.0	20.0
Dividend payout on recurring profit (%)	-	-	44.0	46.1	46.0
Interest cover (X)	(3.5)	5.1	9.7	16.5	21.8
Inventory days	6.5	4.6	4.0	4.1	4.1
Debtor days	81.8	60.5	92.4	108.4	105.2
Creditor days	20.2	23.0	29.5	30.3	30.3
Operating ROIC (%)	(5.2)	7.5	13.4	17.5	20.0
ROIC (%)	(4.5)	6.9	12.4	16.2	18.6
ROE (%)	(9.5)	8.7	16.2	20.0	21.4
ROA (%)	(4.1)	6.2	9.6	11.0	12.5
* Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Landing & parking	1,619	3,742	6,452	7,500	8,037
Passenger service	5,267	17,882	23,919	28,927	31,178
Aircraft service	403	642	836	972	1,042
Property rents	1,438	2,381	2,429	2,501	2,576

Sources: Airports of Thailand; FSSIA estimates

Financial Statements

Airports of Thailand

Cash Flow (THB m) Year Ending Sep	2022	2023	2024E	2025E	2026E
Recurring net profit	(10,173)	9,247	19,480	27,869	34,177
Depreciation	8,932	8,870	11,550	11,830	12,000
Associates & minorities	-	-	-	-	-
Other non-cash items	(1,943)	2,906	314	346	380
Change in working capital	8,846	(5,892)	(4,574)	(1,304)	2,024
Cash flow from operations	5,662	15,132	26,771	38,741	48,581
Capex - maintenance	(8,182)	(12,546)	(11,000)	(20,000)	(24,000)
Capex - new investment	-	-	-	-	-
Net acquisitions & disposals	(5)	(278)	0	0	0
Other investments (net)	-	-	-	-	-
Cash flow from investing	(8,187)	(12,823)	(11,000)	(20,000)	(24,000)
Dividends paid	(8)	(18)	0	(8,571)	(12,857)
Equity finance	0	0	0	0	0
Debt finance	(2,477)	(82)	45,558	(6,000)	(6,000)
Other financing cash flows	329	85	0	0	0
Cash flow from financing	(2,156)	(15)	45,558	(14,571)	(18,857)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	(4,681)	2,293	61,329	4,169	5,724
Free cash flow to firm (FCFF)	404.45	5,198.87	18,588.81	21,412.27	27,106.52
Free cash flow to equity (FCFE)	(4,673.07)	2,311.55	61,329.45	12,740.82	18,581.07

Per share (THB)	2022	2023	2024E	2025E	2026E
FCFF per share	0.03	0.36	1.30	1.50	1.90
FCFE per share	(0.33)	0.16	4.29	0.89	1.30
Recurring cash flow per share	(0.22)	1.47	2.19	2.80	3.26

Balance Sheet (THB m) Year Ending Sep	2022	2023	2024E	2025E	2026E
Tangible fixed assets (gross)	290,774	302,942	313,942	333,942	357,942
Less: Accumulated depreciation	(133,776)	(142,269)	(153,819)	(165,649)	(177,649)
Tangible fixed assets (net)	156,998	160,673	160,123	168,292	180,292
Intangible fixed assets (net)	0	0	0	0	0
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	694	972	972	972	972
Cash & equivalents	3,798	6,091	67,420	71,590	77,314
A/C receivable	3,785	12,184	20,607	24,395	24,395
Inventories	338	285	306	312	319
Other current assets	556	454	611	714	798
Current assets	8,476	19,014	88,945	97,012	102,826
Other assets	17,645	14,952	14,952	14,952	14,952
Total assets	183,813	195,611	264,992	281,228	299,042
Common equity	101,324	110,465	129,945	149,242	170,562
Minorities etc.	1,195	1,713	2,028	2,374	2,754
Total shareholders' equity	102,519	112,178	131,973	151,616	173,316
Long term debt	57,991	51,464	100,837	94,837	88,837
Other long-term liabilities	8,808	8,676	8,676	8,676	8,676
Long-term liabilities	66,799	60,140	109,513	103,513	97,513
A/C payable	1,056	2,086	2,241	2,286	2,332
Short term debt	3,566	10,011	6,197	6,197	6,197
Other current liabilities	9,873	11,195	15,068	17,616	19,685
Current liabilities	14,495	23,293	23,506	26,099	28,213
Total liabilities and shareholders' equity	183,813	195,611	264,992	281,228	299,042
Net working capital	(6,251)	(358)	4,215	5,519	3,496
Invested capital	169,086	176,239	180,262	189,736	199,712

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

Per share (THB)	2022	2023	2024E	2025E	2026E
Book value per share	7.09	7.73	9.10	10.45	11.94
Tangible book value per share	7.09	7.73	9.10	10.45	11.94

Financial strength	2022	2023	2024E	2025E	2026E
Net debt/equity (%)	56.3	49.4	30.0	19.4	10.2
Net debt/total assets (%)	31.4	28.3	14.9	10.5	5.9
Current ratio (x)	0.6	0.8	3.8	3.7	3.6
CF interest cover (x)	(0.6)	1.8	23.1	6.7	9.9

Valuation	2022	2023	2024E	2025E	2026E
Recurring P/E (x) *	(92.3)	101.6	48.2	33.7	27.5
Recurring P/E @ target price (x) *	(105.3)	115.9	55.0	38.4	31.3
Reported P/E (x)	(84.7)	106.8	48.2	33.7	27.5
Dividend yield (%)	-	-	0.9	1.4	1.7
Price/book (x)	9.3	8.5	7.2	6.3	5.5
Price/tangible book (x)	9.3	8.5	7.2	6.3	5.5
EV/EBITDA (x) **	(713.2)	42.9	25.8	20.0	16.9
EV/EBITDA @ target price (x) **	(807.6)	48.6	29.3	22.8	19.2
EV/invested capital (x)	5.9	5.7	5.4	5.1	4.8

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

Sources: Airports of Thailand; FSSIA estimates

Airports of Thailand PCL (AOT TB)

FSSIA ESG rating

77.96 /100
Exhibit 14: FSSIA ESG score implication

Rating	Score	Implication
★★★★★	>79-100	Leading its industry peers in managing the most significant ESG risks which not only better cost efficiency but also lead to higher profitability.
★★★★★	>59-79	A mixed track record of managing the most significant ESG risks and opportunities relative to industry peers.
★★★★	>39-59	Relevant ESG materiality matrix has been constructively addressed, well-managed and incorporated into day-to-day operations, in which targets and achievements are evaluated annually.
★★★	>19-39	Relevant ESG materiality matrix has been identified with key management in charge for progress to be followed up on and to provide intensive disclosure. Most targets are conventional and achievable.
★	1-19	The company has adopted the United Nations Sustainable Development Goals (UN SDGs), established sustainability management guidelines and fully complies with regulations or ESG suggested guidance from related organizations such as the SET and SEC.

Sources: FSSIA estimates

Exhibit 15: ESG – peer comparison

	FSSIA ESG score	Domestic ratings						Global ratings						Bloomberg	
		DJSI	SET THSI	THSI	CG score	AGM level	Thai CAC	Morningstar ESG risk	ESG Book	MSCI	Moody's	Refinitiv	S&P Global	ESG score	Disclosure score
SET100	69.20	5.34	4.40	4.40	4.76	4.65	3.84	Medium	51.76	BBB	20.87	58.72	63.91	3.72	28.17
Coverage	67.12	5.11	4.15	4.17	4.83	4.71	3.53	Medium	52.04	BB	16.97	56.85	62.09	3.40	31.94
AAV	43.83	--	Y	Y	5.00	4.00	--	High	48.81	--	--	42.50	--	3.11	48.18
AOT	77.96	Y	Y	Y	5.00	5.00	--	Low	64.96	A	39.00	50.87	77.00	4.19	55.78
BA	18.75	--	--	--	4.00	4.00	--	High	--	--	--	--	16.00	--	--
PSL	55.45	--	Y	Y	5.00	5.00	Certified	Medium	59.76	BB	--	--	51.00	--	--
RCL	27.51	--	--	--	4.00	4.00	--	High	41.46	--	--	20.37	13.00	.94	30.36
TTA	65.35	--	Y	Y	5.00	5.00	Certified	Medium	56.56	AA	--	50.79	25.00	3.31	56.20

Sources: SETTRADE.com; FSSIA's compilation

Exhibit 16: ESG score by Bloomberg

FY ending Dec 31	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
ESG financial materiality scores - ESG score	4.27	4.55	5.34	5.47	4.95	4.17	3.41	4.19
BESG environmental pillar score	4.94	4.68	4.74	5.02	5.00	4.10	2.46	3.87
BESG social pillar score	2.97	3.81	5.94	5.98	4.49	3.60	2.85	3.22
BESG governance pillar score	5.06	5.41	5.57	5.57	5.52	5.13	6.18	6.29
ESG disclosure score	51.22	57.00	58.73	62.06	61.32	60.33	60.75	55.78
Environmental disclosure score	34.61	44.82	44.82	53.01	54.97	53.55	53.88	45.70
Social disclosure score	35.34	42.47	47.67	49.49	45.31	43.74	42.17	35.43
Governance disclosure score	83.59	83.59	83.59	83.59	83.59	83.59	86.09	86.09
Environmental								
Emissions reduction initiatives	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Climate change policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Climate change opportunities discussed	No	No	No	No	No	No	No	No
Risks of climate change discussed	No	No	No	No	No	No	Yes	Yes
GHG scope 1	3	2	2	3	3	3	3	2
GHG scope 2 location-based	146	212	214	229	215	171	179	--
GHG Scope 3	--	--	--	--	--	--	--	--
Carbon per unit of production	--	0	0	0	0	--	--	--
Biodiversity policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Energy efficiency policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Total energy consumption	474	651	667	661	688	545	457	785
Renewable energy use	--	0	0	0	0	0	0	0
Electricity used	474	554	572	570	688	545	457	437
Fuel used - natural gas	--	--	--	--	--	--	--	--

Sources: Bloomberg; FSSIA's compilation

Exhibit 17: ESG score by Bloomberg (cont.)

FY ending Dec 31	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Fuel used - crude oil/diesel	No	No	No	No	No	No	No	No
Waste reduction policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hazardous waste	0	0	0	0	0	0	0	0
Total waste	29	26	31	32	36	26	19	18
Waste recycled	—	—	—	—	3	2	1	0
Waste sent to landfills	—	23	25	23	28	8	2	3
Environmental supply chain management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Water policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Water consumption	—	4,075	4,863	6,285	6,490	5,889	4,755	4,783
Social								
Human rights policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Policy against child labor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Quality assurance and recall policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Consumer data protection policy	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Equal opportunity policy	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Gender pay gap breakout	No	No	No	No	No	No	No	No
Pct women in workforce	39	38	40	40	40	40	40	40
Pct disabled in workforce	—	—	—	—	—	—	—	—
Business ethics policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Anti-bribery ethics policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Health and safety policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lost time incident rate - employees	0	0	0	0	0	0	0	0
Total recordable incident rate - employees	—	—	—	—	—	—	—	—
Training policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fair remuneration policy	No	No	No	No	No	No	No	No
Number of employees – CSR	6,043	6,726	7,230	7,718	8,117	8,769	8,176	7,919
Employee turnover pct	3	3	2	1	1	2	2	2
Total hours spent by firm - employee training	236,402	278,056	214,370	337,035	169,206	63,867	59,834	74,225
Social supply chain management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Governance								
Board size	14	12	15	15	13	14	15	15
No. of independent directors (ID)	7	7	12	11	8	9	11	10
No. of women on board	2	2	2	2	2	3	5	5
No. of non-executive directors on board	14	11	14	14	12	13	14	14
Company conducts board evaluations	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
No. of board meetings for the year	15	15	14	14	15	14	15	13
Board meeting attendance pct	92	94	95	98	96	96	98	98
Board duration (years)	3	3	3	3	3	3	3	3
Director share ownership guidelines	No	No	No	No	No	No	No	No
Age of the youngest director	44	44	45	47	48	49	44	45
Age of the oldest director	64	62	63	64	64	64	62	63
No. of executives / company managers	21	21	21	21	20	16	16	16
No. of female executives	7	7	7	7	6	2	2	2
Executive share ownership guidelines	No	No	No	No	No	No	No	No
Size of audit committee	3	3	3	3	3	3	3	3
No. of ID on audit committee	3	3	3	3	3	3	3	3
Audit committee meetings	12	12	12	12	12	12	12	15
Audit meeting attendance %	97	97	97	100	92	100	100	100
Size of compensation committee	3	3	3	3	3	3	3	3
No. of ID on compensation committee	2	2	3	3	2	2	2	2
No. of compensation committee meetings	1	2	3	2	3	3	2	2
Compensation meeting attendance %	100	100	100	100	100	100	100	100
Size of nomination committee	3	3	3	3	3	3	3	3
No. of nomination committee meetings	3	3	2	2	3	4	4	2
Nomination meeting attendance %	100	88	100	100	100	94	100	100
Sustainability governance								
Verification type	No	No	No	No	No	No	No	No

Sources: Bloomberg; FSSIA's compilation

Disclaimer for ESG scoring

ESG score	Methodology	Rating																			
The Dow Jones Sustainability Indices (DJSI) By S&P Global	The DJSI World applies a transparent, rules-based component selection process based on the companies' Total Sustainability Scores resulting from the annual S&P Global Corporate Sustainability Assessment (CSA). Only the top-ranked companies within each industry are selected for inclusion.	Be a member and invited to the annual S&P Global Corporate Sustainability Assessment (CSA) for DJSI. Companies with an S&P Global ESG Score of less than 45% of the S&P Global ESG Score of the highest scoring company are disqualified. The constituents of the DJSI indices are selected from the Eligible Universe.																			
Sustainability Investment List (THSI) by The Stock Exchange of Thailand (SET)	THSI quantifies responsibility in Environmental and Social issues by managing business with transparency in Governance, updated annually. Candidates must pass the preemptive criteria, with two crucial conditions: 1) no irregular trading of the board members and executives; and 2) free float of >150 shareholders, and combined holding must be >15% of paid-up capital. Some key disqualifying criteria include: 1) CG score of below 70%; 2) independent directors and free float violation; 3) executives' wrongdoing related to CG, social & environmental impacts; 4) equity in negative territory; and 5) earnings in red for > 3 years in the last 5 years.	To be eligible for THSI inclusion , verified data must be scored at a minimum of 50% for each indicator, unless the company is a part of DJSI during the assessment year. The scoring will be fairly weighted against the nature of the relevant industry and materiality. SETTHSI Index is extended from the THSI companies whose 1) market capitalization > THB5b (~USD150b); 2) free float >20%; and 3) liquidity >0.5% of paid-up capital for at least 9 out of 12 months. The SETTHSI Index is a market capitalisation-weighted index, cap 5% quarterly weight at maximum, and no cap for number of stocks.																			
CG Score by Thai Institute of Directors Association (Thai IOD)	An indicator of CG strength in sustainable development, measured annually by the Thai IOD, with support from the Stock Exchange of Thailand (SET). The results are from the perspective of a third party, not an evaluation of operations.	Scores are rated in six categories: 5 for Excellent (90-100), 4 for Very Good (80-89), 3 for Good (70-79), 2 for Fair (60-69), 1 for Pass (50-59), and not rated for scores below 50. Weightings include: 1) the rights; 2) and equitable treatment of shareholders (weight 25% combined); 3) the role of stakeholders (25%); 4) disclosure & transparency (15%); and 5) board responsibilities (35%).																			
AGM level By Thai Investors Association (TIA) with support from the SEC	It quantifies the extent to which shareholders' rights and equitable treatment are incorporated into business operations and information is transparent and sufficiently disclosed. All form important elements of two out of five the CG components to be evaluated annually. The assessment criteria cover AGM procedures before the meeting (45%), at the meeting date (45%), and after the meeting (10%). <i>(The first assesses 1) advance circulation of sufficient information for voting; and 2) facilitating how voting rights can be exercised. The second assesses 1) the ease of attending meetings; 2) transparency and verifiability; and 3) openness for Q&A. The third involves the meeting minutes that should contain discussion issues, resolutions and voting results.)</i>	The scores are classified into four categories: 5 for Excellent (100), 4 for Very Good (90-99), 3 for Fair (80-89), and not rated for scores below 79.																			
Thai CAC By Thai Private Sector Collective Action Against Corruption (CAC)	The core elements of the Checklist include corruption risk assessment, establishment of key controls, and the monitoring and developing of policies. The Certification is good for three years. <i>(Companies deciding to become a CAC certified member start by submitting a Declaration of Intent to kick off an 18-month deadline to submit the CAC Checklist for Certification, including risk assessment, in place of policy and control, training of managers and employees, establishment of whistleblowing channels, and communication of policies to all stakeholders.)</i>	The document will be reviewed by a committee of nine professionals. A passed Checklist will move for granting certification by the CAC Council approvals whose members are twelve highly respected individuals in professionalism and ethical achievements.																			
Morningstar Sustainalytics	The Sustainalytics' ESG risk rating provides an overall company score based on an assessment of how much of a company's exposure to ESG risk is unmanaged. Sources to be reviewed include corporate publications and regulatory filings, news and other media, NGO reports/websites, multi-sector information, company feedback, ESG controversies, issuer feedback on draft ESG reports, and quality & peer reviews.	A company's ESG risk rating score is the sum of unmanaged risk. The more risk is unmanaged, the higher ESG risk is scored. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>NEGL</th> <th>Low</th> <th>Medium</th> <th>High</th> <th>Severe</th> </tr> </thead> <tbody> <tr> <td>0-10</td> <td>10-20</td> <td>20-30</td> <td>30-40</td> <td>40+</td> </tr> </tbody> </table>	NEGL	Low	Medium	High	Severe	0-10	10-20	20-30	30-40	40+									
NEGL	Low	Medium	High	Severe																	
0-10	10-20	20-30	30-40	40+																	
ESG Book	The ESG score identifies sustainable companies that are better positioned to outperform over the long term. The methodology considers the principle of financial materiality including information that significantly helps explain future risk-adjusted performance. Materiality is applied by over-weighting features with higher materiality and rebalancing these weights on a rolling quarterly basis.	The total ESG score is calculated as a weighted sum of the features scores using materiality-based weights. The score is scaled between 0 and 100 with higher scores indicating better performance.																			
MSCI	MSCI ESG ratings aim to measure a company's management of financially relevant ESG risks and opportunities. It uses a rules-based methodology to identify industry leaders and laggards according to their exposure to ESG risks and how well they manage those risks relative to peers. <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>AAA</td> <td>8.571-10.000</td> <td rowspan="3">Leader:</td> <td rowspan="3">leading its industry in managing the most significant ESG risks and opportunities</td> </tr> <tr> <td>AA</td> <td>7.143-8.570</td> </tr> <tr> <td>A</td> <td>5.714-7.142</td> </tr> <tr> <td>BBB</td> <td>4.286-5.713</td> <td rowspan="3">Average:</td> <td rowspan="3">a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers</td> </tr> <tr> <td>BB</td> <td>2.857-4.285</td> </tr> <tr> <td>B</td> <td>1.429-2.856</td> </tr> <tr> <td>CCC</td> <td>0.000-1.428</td> <td>Laggard:</td> <td>lagging its industry based on its high exposure and failure to manage significant ESG risks</td> </tr> </tbody> </table>	AAA	8.571-10.000	Leader:	leading its industry in managing the most significant ESG risks and opportunities	AA	7.143-8.570	A	5.714-7.142	BBB	4.286-5.713	Average:	a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers	BB	2.857-4.285	B	1.429-2.856	CCC	0.000-1.428	Laggard:	lagging its industry based on its high exposure and failure to manage significant ESG risks
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Moody's ESG solutions	Moody's assesses the degree to which companies take into account ESG objectives in the definition and implementation of their strategy policies. It believes that a company integrating ESG factors into its business model and relatively outperforming its peers is better positioned to mitigate risks and create sustainable value for shareholders over the medium to long term.																				
Refinitiv ESG rating	Designed to transparently and objectively measure a company's relative ESG performance, commitment and effectiveness across 10 main themes, based on publicly available and auditable data. The score ranges from 0 to 100 on relative ESG performance and insufficient degree of transparency in reporting material ESG data publicly. <i>(Score ratings are 0 to 25 = poor; >25 to 50 = satisfactory; >50 to 75 = good; and >75 to 100 = excellent.)</i>																				
S&P Global	The S&P Global ESG Score is a relative score measuring a company's performance on and management of ESG risks, opportunities, and impacts compared to its peers within the same industry classification. The score ranges from 0 to 100.																				
Bloomberg	ESG Score	Bloomberg score evaluating the company's aggregated Environmental, Social and Governance (ESG) performance. The score is based on Bloomberg's view of ESG financial materiality. The score is a weighted generalized mean (power mean) of Pillar Scores, where the weights are determined by the pillar priority ranking. Values range from 0 to 10; 10 is the best.																			
Bloomberg	ESG Disclosure Score	Disclosure of a company's ESG used for Bloomberg ESG score. The score ranges from 0 for none to 100 for disclosure of every data point, measuring the amount of ESG data reported publicly, and not the performance on any data point.																			

Rating regarding the sustainable development of Thai listed companies, both on the SET and MAI, are publicly available on the website of the Securities and Exchange Commission of Thailand (SEC). Currently, ratings available are 1) "CG Score"; 2) "AGM Level"; 3) "Thai CAC"; and 4) THSI. The ratings are updated on an annual basis. FSSIA does not confirm nor certify the accuracy of such ratings.

Source: FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Teerapol Udomvej, CFA FSS International Investment Advisory Securities Co., Ltd

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History of change in investment rating and/or target price

Airports of Thailand (AOT TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
09-Jun-2021	BUY	82.00	26-Nov-2021	BUY	79.00	29-Nov-2023	BUY	76.00
13-Aug-2021	BUY	80.00	02-Jun-2022	BUY	85.00	14-Feb-2024	BUY	75.00

Teerapol Udomvej, CFA started covering this stock from 10-Sep-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Airports of Thailand	AOT TB	THB 65.75	BUY	Downside risks to our DCF-based target price include 1) a slowdown in the recovery of international passengers; 2) delays in the Suvarnabhumi Airport expansions (satellite terminal and northern expansion); and 3) the termination of the duty-free concession contracts from King Power.

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.

All share prices are as at market close on 03-May-2024 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

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

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

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

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

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

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

Industry Recommendations

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

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

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

Country (Strategy) Recommendations

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

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

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