# Singapore Company Update Aztech Global

### Bloomberg: AZTECH SP | Reuters: AZTE.SI

DBS Group Research . Equity

## BUY

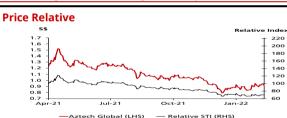
Last Traded Price (22 Feb 2022): S\$0.915 (STI : 3,400.58) Price Target 12-mth: S\$1.48 (62% upside) (Prev S\$1.54)

### Analyst

Lee Keng LING +65 6682 3703 leekeng@dbs.com

### What's New

- FY21 results inline; net profit surged 33.5% y-o-y despite supply chain challenges
- Weaker GP margin, but net margin remains strong at 11.9% for FY21
- Strong orderbook; expect 10% revenue in FY22 from new customers
- Maintain BUY, TP lowered to S\$1.48 on 4% cut in earnings on lower margin assumptions



Forecasts and Valuation				
FY Dec (S\$m)	2020A	2021A	2022F	2023F
Revenue	484	624	831	989
EBITDA	76.3	95.9	124	147
Pre-tax Profit	66.5	85.0	114	136
Net Profit	55.7	74.4	95.4	115
Net Pft (Pre Ex.)	55.7	74.4	95.4	115
Net Pft Gth (Pre-ex) (%)	18.1	33.5	28.3	20.0
EPS (S cts)	7.20	9.61	12.3	14.8
EPS Pre Ex. (S cts)	7.20	9.61	12.3	14.8
EPS Gth Pre Ex (%)	nm	33	28	20
Diluted EPS (S cts)	7.20	9.61	12.3	14.8
Net DPS (S cts)	5.30	4.99	3.70	4.44
BV Per Share (S cts)	5.38	37.9	46.5	56.9
PE (X)	12.7	9.5	7.4	6.2
PE Pre Ex. (X)	12.7	9.5	7.4	6.2
P/Cash Flow (X)	24.8	16.9	8.0	7.5
EV/EBITDA (X)	9.3	5.4	4.1	3.4
Net Div Yield (%)	5.8	5.5	4.0	4.9
P/Book Value (X)	17.0	2.4	2.0	1.6
Net Debt/Equity (X)	0.1	CASH	CASH	CASH
ROAE (%)	173.3	44.5	29.2	28.6
Earnings Rev (%): Consensus EPS (S cts):			(4) 12.5	(4) 14.5
Other Broker Recs:		B: 4	S: 0	H: 0

Source of all data on this page: Company, DBS Bank, Bloomberg Finance L.P.

### Refer to important disclosures at the end of this report

23 Feb 2022

### Remarkable results with strong orderbook

### **Investment Thesis**

Remarkable results with above-industry average net margins of more than 10%. Amidst a tough operating environment posed by the global logistical and component challenges, Aztech reported a remarkable set of results with a 33.5% y-oy jump in net profit. Net profit margin remains strong at 11.9%. We continue to project an above industry average net margin of 11.5% for FY22F and 11.6% for FY23F, driven by the strong growth in the IoT market and the group's continuing efforts to improve productivity and efficiency. This should lead to a robust earnings growth of 28%/20% in FY22F/FY23F.

Strong orderbook riding on the fast-expanding IoT market with >90% revenue exposure. The outstanding orderbook as of 22 February 2022 stood at S\$762m, an improvement from S\$496m as at 31 December 2021. As we are still in the early part of the year, we expect the group to secure more orders for fulfilment in 2022. We expect order momentum to remain strong, translating to a revenue growth of 33% in FY22F and another 19% in FY23F.

### Valuation:

**TP of S\$1.48 pegged to peers' average valuations.** We lower TP to S\$1.48 (previously S\$1.54) on the back of a 4% cut in earnings (tweak in gross margins), pegged to FY22F peer average of 12x on FY22F earnings. BUY for its strong earnings momentum with attractive valuations. Aztech is trading at an attractive PEG of only 0.23x, vs. 0.8x for peers.

#### Where we differ:

We are optimistic that the group can continue to ride on the fast-expanding IoT market and to generate above industry net margin of >10%.

### Key Risks to Our View:

Customer concentration risk and operation risk for Dongguan land.

#### At A Glance

Issued Capital (m shrs)	772
Mkt. Cap (S\$m/US\$m)	707 / 525
Major Shareholders (%)	
Aztech Group Ltd.	70.2
Free Float (%)	29.8
3m Avg. Daily Val (US\$m)	1.1
<b>GIC Industry</b> : Information Technology / Semiconductors & Semiconductor Equipment	ž







### WHAT'S NEW

### A remarkable set of FY21 results, amidst the supply chain challenges

**FY21 results inline.** Amidst a tough operating environment posed by the global logistical and component challenges, Aztech reported a 33.5% y-o-y jump in net profit to S\$74.4m, on the back of a 28.9% surge in revenue to S\$624.4m, inline with our forecast. For 2H21, revenue grew 5.5% y-o-y to S\$374.7m, while net profit gained 5.3% to S\$45m.

Weaker GP margin but net margin remains strong. Gross margin of 24.9% for FY21 (1H21: 27.0%; 2H21: 23.5%) was weaker than the 28.5% in FY20, mainly due to the challenges in getting the materials and components for production. Despite this, the group is still able to achieve an overall net margin of 11.9% (1H 11.8%; 2H: 12.0%) for FY21, an improvement from the 11.5% in FY20, leveraging on the group's continuing efforts to improve productivity and efficiency.

**Higher dividend payout.** Aztech has proposed a final DPS of 5Scts, which works out to a dividend payout ratio of 51.9%, higher than our estimate of 30% payout.

**Robust balance sheet to support growth.** As at end 2021, the group has net cash of S\$186.8m to further grow the business.

**New customers, new products.** Aztech targets to add about two to three customers a year. For FY22, about 10% of total revenue is expected to be derived from new customers. Some of the new products include mobile device accessories and smart home products, including smart switches.

Strong orderbook, riding on the fast-expanding IoT market with >90% revenue exposure. The outstanding orderbook as at 22 February 2022 stood at S\$762m, an improvement from the S\$495.8m as at 31 December 2021. These orders are expected to be completed in FY2022, barring any further disruptions to the already tight supply chain. Though the situation has improved from last year, the group still faces component shortages and logistics challenges due to factors like port congestion and shortage of workers. As we are still in the early part of the year, we expect the group to secure more orders for fulfilment in 2022. Customers undergoing insolvency proceedings but chances of recovering amount owed high. One of the group's customers is currently undergoing a preliminary judicial proceeding in Germany, which could result in the opening of insolvency proceedings. As of 21 February 2022, the net amount owing from the customer was \$\$11.5m. Aztech stands as a secured creditor and is entitled to the customer's inventory. The inventory stored is more than sufficient to pay for the outstanding amount owed.

Update on Dongguan land: Safe to stay till March 2023 while waiting for confirmation. Aztech has yet to obtain the Certificate of Land Use Right for the land in Dongguan occupied by the group and that the rectification (including the outcome of discussion with the local authority) is still pending. In view of the pending application, the Changping Town Government had, on 11 February 2022, issued a certification to further confirm that until March 2023, the factory buildings and the Dongguan Land will not be subject to any risk of demolition or being withdrawn from leasing.

Maintain BUY with lower TP of S\$1.48. We have tweaked our earnings down by 4% each for FY22F/FY23F to account for lower gross margin. Net margin also reduced slightly to 11.5% and 11.6% respectively for FY22F and FY23F, from 12% previously. Our new TP of S\$1.48 (S\$1.54 previously) is pegged to peer average of 12x on FY22F earnings.

#### **Company Background**

Aztech Global focuses on providing one-stop design and manufacturing services. Supported by its core strengths in R&D, design, engineering, and manufacturing, its key products are IoT devices, data-communication products, and LED lighting products.

### Interim Income Statement (S\$m)

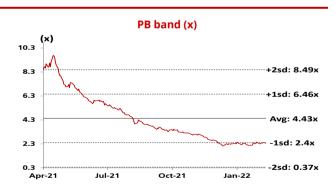
FY Dec	2H2020	1H2021	2H2021	% chg y-o-y	% chg h-o-h
Revenue	355	250	375	5.5	50.0
Cost of Goods Sold	(256)	(182)	(287)	12.0	57.2
Gross Profit	99	67	88	(11.4)	30.7
Other Oper. (Exp)/Inc	(48)	(33)	(36)	(23.6)	9.0
Operating Profit	52	34	52	(0.1)	52.0
Other Non Opg (Exp)/Inc	0	0	0	-	-
Associates & JV Inc	0	0	0	-	-
Net Interest (Exp)/Inc	0	0	0	28.5	12.5
Exceptional Gain/(Loss)	0	0	0	-	-
– Pre-tax Profit	51	34	51	0.2	52.7
Тах	(9)	(4)	(6)	(25.4)	51.3
Minority Interest	0	0	0	-	-
 Net Profit	43	29	45	5.3	52.9
Net profit bef Except.	43	29	45	5.3	52.9
EBITDA	52	34	57	10.0	67.3
Margins (%)					
Gross Margins	28.0	27.0	23.5		
Opg Profit Margins	14.6	13.6	13.8		
Net Profit Margins	12.0	11.8	12.0		

Source of all data: Company, DBS Bank

#### **Historical PE and PB band**



Source: Bloomberg Finance L.P., DBS Bank estimates



Source: Bloomberg Finance L.P., DBS Bank estimates



### **Key Assumptions**

FY Dec	2019A	2020A	2021A	2022F	2023F
IoT devices and datacom	64.5	46.4	33.0	35.0	20.0
LED products	(19.1)	(59.3)	(40.0)	(10.0)	(10.0)
Others	(63.4)	150	100	100	100

### Segmental Breakdown

FY Dec	2019A	2020A	2021A	2022F	2023F
Revenues (S\$m)					
IoT devices and datacom	293	428	597	806	967
LED products	136	55.4	27.5	24.7	22.3
Others	0.32	0.80	0.0	0.0	0.0
Total	429	484	624	831	989
Gross profit (S\$m)					
IoT devices and datacom	87.7	127	153	206	255
LED products	34.0	11.3	2.75	2.47	2.23
Others	0.13	0.32	0.0	0.0	0.0
Total	122	138	156	209	258
Gross profit Margins					
IoT devices and datacom	30.0	29.6	25.6	25.6	26.4
LED products	25.0	20.4	10.0	10.0	10.0
Others	41.9	40.5	N/A	N/A	N/A
Total	28.4	28.5	24.9	25.1	26.0

# Income Statement (S\$m)

Income Statement (S\$m)	come statement (s\$m)					
FY Dec	2019A	2020A	2021A	2022F	2023F	
Revenue	429	484	624	831	989	
Cost of Goods Sold	(307)	(346)	(469)	(622)	(732)	
Gross Profit	122	138	155	209	258	
Other Opng (Exp)/Inc	(66.2)	(70.5)	(69.8)	(94.7)	(121)	
Operating Profit	55.7	67.7	85.6	114	137	
Other Non Opg (Exp)/Inc	0.04	0.0	0.0	0.0	0.0	
Associates & JV Inc	0.0	0.0	0.0	0.0	0.0	
Net Interest (Exp)/Inc	(0.9)	(1.2)	(0.7)	(0.5)	(0.5)	
Exceptional Gain/(Loss)	0.0	0.0	0.0	0.0	0.0	
Pre-tax Profit	54.8	66.5	85.0	114	136	
Тах	(7.6)	(10.8)	(10.6)	(18.2)	(21.8)	
Minority Interest	0.0	0.0	0.0	0.0	0.0	
Preference Dividend	0.0	0.0	0.0	0.0	0.0	
Net Profit	47.2	55.7	74.4	95.4	115	
Net Profit before Except.	47.2	55.7	74.4	95.4	115	
EBITDA	64.3	76.3	95.9	124	147	
Growth						
Revenue Gth (%)	23.6	12.9	28.9	33.0	19.1	
EBITDA Gth (%)	111.9	18.7	25.6	29.7	18.3	
Opg Profit Gth (%)	137.8	21.6	26.5	33.2	19.9	
Net Profit Gth (Pre-ex) (%)	135.7	18.1	33.5	28.3	20.0	
Margins & Ratio						
Gross Margins (%)	28.4	28.5	24.9	25.1	26.0	
Opg Profit Margin (%)	13.0	14.0	13.7	13.7	13.8	
Net Profit Margin (%)	11.0	11.5	11.9	11.5	11.6	
ROAE (%)	119.7	173.3	44.5	29.2	28.6	
ROA (%)	26.3	24.2	18.2	16.5	16.4	
ROCE (%)	87.4	114.1	39.9	27.7	27.4	
Div Payout Ratio (%)	55.7	73.6	51.9	30.0	30.0	
Net Interest Cover (x)	60.9	58.3	126.5	241.9	265.3	

Source: Company, DBS Bank

interim income statement (S	(\$ITT)			
FY Dec	1H2020	2H2020	1H2021	2H2021
Revenue Cost of Goods Sold	129 (90,3)	355 (256)	250 (182)	375 (287)
Gross Profit Other Oper, (Exp)/Inc	<b>38.8</b> (22.8)	<b>99.4</b> (47.7)	<b>67.4</b> (33.4)	<b>88.1</b> (36.4)
Operating Profit Other Non Opg (Exp)/Inc	<b>16.0</b> 0.0	<b>51.7</b> 0.0	<b>34.0</b> 0.0	<b>51.7</b> 0.0
Associates & IV Inc Net Interest (Exp)/Inc	0.0 (0.7)	0.0 (0.4)	0.0 (0.4)	0.0 (0.3)
Exceptional Gain/(Loss)	0.0 15.3	<u>0.0</u> 51.3	0.0	<u>0.0</u> 51.3
<b>Pre-tax Profit</b> Tax Minority Interest	(2.3) (2.0)	(8.5)	(4.2)	(6.4) 0.0
Net profit bef Except. EBITDA	<b>13.0</b> 13.0 16.0	<b>42.7</b> 42.7 51.7	<b>29.4</b> 29.4 34.0	<b>45.0</b> 45.0 56.9
Growth Revenue Gth (%) EBITDA Gth (%) Opg Profit Gth (%) Net Profit Gth (%) Margins	nm nm nm	175.1 223.3 223.3 228.1	(29.7) (34.3) (34.3) (31.1)	50.0 67.3 52.0 52.9
Gross Margins (%) Opg Profit Margins (%) Net Profit Margins (%)	30.1 12.4 10.1	28.0 14.6 12.0	27.0 13.6 11.8	23.5 13.8 12.0

### Balance Sheet (S\$m)

FY Dec	2019A	2020A	2021A	2022F	2023F
Net Fixed Assets	22.2	28.9	26.6	66.4	106
Invts in Associates & Vs	0.0	0.0	0.0	0.0	0.0
Other LT Assets	2.62	1.07	0.0	0.0	0.0
Cash & ST Invts	14.3	11.5	202	212	222
Inventory	19.1	53.7	62.4	77.0	90.6
Debtors	96.7	197	223	279	332
Other Current Assets	5.87	8.15	5.15	5.15	5.15
Total Assets	161	300	518	639	756
ST Debt	10.4	11.9	11.9	11.9	11.9
Creditor	87.2	141	138	185	218
Other Current Liab	37.7	99.4	70.0	77.6	81.2
LT Debt	0.0	3.82	2.84	2.84	2.84
Other LT Liabilities	2.74	2.49	2.04	2.04	2.04
Shareholder's Equity	22.7	41.6	293	360	440
Minority Interests	0.0	0.0	0.0	0.0	0.0
Total Cap. & Liab.	161	300	518	639	756
-					
Non-Cash Wkg. Capital	(3.2)	18.4	81.7	98.2	129
Net Cash/(Debt)	3.88	(4.3)	187	197	207
Debtors Turn (avg days)	72.2	110.7	122.6	110.2	112.8
Creditors Turn (avg days)	112.3	123.4	111.2	96.6	102.0
Inventory Turn (avg days)	39.1	39.3	46.2	41.6	42.4
Asset Turnover (x)	2.4	2.1	1.5	1.4	1.4
Current Ratio (x)	1.0	1.1	2.2	2.1	2.1
Quick Ratio (x)	0.8	0.8	1.9	1.8	1.8
Net Debt/Equity (X)	CASH	0.1	CASH	CASH	CASH
Net Debt/Equity ex MI (X)	CASH	0.1	CASH	CASH	CASH
Capex to Debt (%)	75.0	68.7	32.1	339.3	339.3

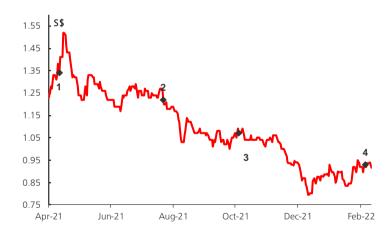
Source: Company, DBS Bank

### Cash Flow Statement (S\$m)

cush now statement (sam,					
FY Dec	2019A	2020A	2021A	2022F	2023F
Pre-Tax Profit	54.8	66.5	85.0	114	136
Dep. & Amort.	8.60	8.64	10.2	10.2	10.2
Tax Paid	(1.3)	(3.0)	(15.8)	(10.6)	(18.2)
Assoc. & JV Inc/(loss)	0.0	0.0	0.0	0.0	0.0
Chg in Wkg.Cap.	(26.6)	(46.1)	(35.6)	(24.2)	(34.2)
Other Operating CF	6.18	2.51	(1.9)	0.0	0.0
Net Operating CF	41.7	28.6	41.9	89.1	94.2
Capital Exp.(net)	(7.8)	(10.8)	(4.7)	(50.0)	(50.0)
Other Invts.(net)	0.0	0.0	0.0	0.0	0.0
Invts in Assoc. & JV	0.0	0.0	0.0	0.0	0.0
Div from Assoc & JV	0.0	0.0	0.0	0.0	0.0
Other Investing CF	0.04	0.10	0.0	0.0	0.0
Net Investing CF	(7.8)	(10.7)	(4.7)	(50.0)	(50.0)
Div Paid	(26.3)	(41.0)	(15.3)	(28.6)	(34.4)
Chg in Gross Debt	(1.7)	23.1	(21.5)	0.0	0.0
Capital Issues	0.0	0.0	189	0.0	0.0
Other Financing CF	(3.1)	(2.8)	0.0	0.0	0.0
Net Financing CF	(31.1)	(20.7)	152	(28.6)	(34.4)
Currency Adjustments	0.24	0.0	0.33	0.0	0.0
Chg in Cash	3.03	(2.8)	189	10.4	9.83
Opg CFPS (S cts)	N/A	9.65	10.0	14.6	16.6
Free CFPS (S cts)	N/A	2.30	4.80	5.05	5.71
		2.00		2.00	5.7 1

Source: Company, DBS Bank

### **Target Price & Ratings History**



Note : Share price and Target price are adjusted for corporate actions.

Source: DBS Bank Analyst: Lee Keng LING

S.No.	Date of	Closing	12-mth Target	Rating

S.No.	Report	Price	Target Price	Rating
1:	22 Apr 21	1.34	1.85	BUY
2:	02 Aug 21	1.22	1.74	BUY
3:	15 Oct 21	1.07	1.67	BUY
4:	16 Feb 22	0.93	1.54	BUY



DBS Bank recommendations are based on an Absolute Total Return\* Rating system, defined as follows: STRONG BUY (>20% total return over the next 3 months, with identifiable share price catalysts within this time frame) BUY (>15% total return over the next 12 months for small caps, >10% for large caps) HOLD (-10% to +15% total return over the next 12 months for small caps, -10% to +10% for large caps) FULLY VALUED (negative total return, i.e. > -10% over the next 12 months) SELL (negative total return of > -20% over the next 3 months, with identifiable share price catalysts within this time frame)

\*Share price appreciation + dividends

Completed Date: 23 Feb 2022 06:43:41 (SGT) Dissemination Date: 23 Feb 2022 07:00:57 (SGT)

Sources for all charts and tables are DBS Bank unless otherwise specified.

#### GENERAL DISCLOSURE/DISCLAIMER

This report is prepared by DBS Bank Ltd. This report is solely intended for the clients of DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd, its respective connected and associated corporations and affiliates only and no part of this document may be (i) copied, photocopied or duplicated in any form or by any means or (ii) redistributed without the prior written consent of DBS Bank Ltd.

The research set out in this report is based on information obtained from sources believed to be reliable, but we (which collectively refers to DBS Bank Ltd, its respective connected and associated corporations, affiliates and their respective directors, officers, employees and agents (collectively, the "DBS Group") have not conducted due diligence on any of the companies, verified any information or sources or taken into account any other factors which we may consider to be relevant or appropriate in preparing the research. Accordingly, we do not make any representation or warranty as to the accuracy, completeness or correctness of the research set out in this report. Opinions expressed are subject to change without notice. This research is prepared for general circulation. Any recommendation contained in this document does not have regard to the specific investment objectives, financial situation and the particular needs of any specific addressee. This document is for the information of addressees only and is not to be taken in substitution for the exercise of judgement by addressees, who should obtain separate independent legal or financial advice. The DBS Group accepts no liability whatsoever for any direct, indirect and/or consequential loss (including any claims for loss of profit) arising from any use of and/or reliance upon this document and/or further communication given in relation to this document. This document is not to be construed as an offer or a solicitation of an offer to buy or sell any securities. The DBS Group, along with its affiliates and/or persons associated with any of them may from time to time have interests in the securities mentioned in this document. The DBS Group, may have positions in, and may affect transactions in securities mentioned herein and may also perform or seek to perform broking, investment banking and other banking services for these companies.

Any valuations, opinions, estimates, forecasts, ratings or risk assessments herein constitutes a judgement as of the date of this report, and there can be no assurance that future results or events will be consistent with any such valuations, opinions, estimates, forecasts, ratings or risk assessments. The information in this document is subject to change without notice, its accuracy is not guaranteed, it may be incomplete or condensed, it may not contain all material information concerning the company (or companies) referred to in this report and the DBS Group is under no obligation to update the information in this report.

This publication has not been reviewed or authorized by any regulatory authority in Singapore, Hong Kong or elsewhere. There is no planned schedule or frequency for updating research publication relating to any issuer.

The valuations, opinions, estimates, forecasts, ratings or risk assessments described in this report were based upon a number of estimates and assumptions and are inherently subject to significant uncertainties and contingencies. It can be expected that one or more of the estimates on which the valuations, opinions, estimates, forecasts, ratings or risk assessments were based will not materialize or will vary significantly from actual results. Therefore, the inclusion of the valuations, opinions, estimates, forecasts, ratings or risk assessments described herein IS NOT TO BE RELIED UPON as a representation and/or warranty by the DBS Group (and/or any persons associated with the aforesaid entities), that:

- (a) such valuations, opinions, estimates, forecasts, ratings or risk assessments or their underlying assumptions will be achieved, and
- (b) there is any assurance that future results or events will be consistent with any such valuations, opinions, estimates, forecasts, ratings or risk assessments stated therein.

Please contact the primary analyst for valuation methodologies and assumptions associated with the covered companies or price targets.

Any assumptions made in this report that refers to commodities, are for the purposes of making forecasts for the company (or companies) mentioned herein. They are not to be construed as recommendations to trade in the physical commodity or in the futures contract relating to the commodity referred to in this report.

DBSVUSA, a US-registered broker-dealer, does not have its own investment banking or research department, has not participated in any public offering of securities as a manager or co-manager or in any other investment banking transaction in the past twelve months and does not engage in market-making.

#### ANALYST CERTIFICATION

The research analyst(s) primarily responsible for the content of this research report, in part or in whole, certifies that the views about the companies and their securities expressed in this report accurately reflect his/her personal views. The analyst(s) also certifies that no part of his/her compensation was, is, or will be, directly or indirectly, related to specific recommendations or views expressed in the report. The research analyst (s) primarily responsible for the content of this research report, in part or in whole, certifies that he or his associate<sup>1</sup> does not serve as an officer of the issuer or the new listing applicant (which includes in the case of a real estate investment trust, an officer of the management company of the real estate investment trust; and in the case of any other entity, an officer or its equivalent counterparty of the entity who is responsible for the management of the issuer or the new listing applicant) and the research analyst(s) primarily responsible for the content of his associate does not have financial interests<sup>2</sup> in relation to an issuer or a new listing applicant that the analyst reviews. DBS Group has procedures in place to eliminate, avoid and manage any potential conflicts of interests that may arise in connection with the production of research reports. The research analyst(s) responsible for this report operates as part of a separate and independent team to the investment banking function of the DBS Group and procedures are in place to ensure that confidential information held by either the research or investment banking function of the DBS Group.

#### COMPANY-SPECIFIC / REGULATORY DISCLOSURES

1. DBS Bank Ltd, DBS HK, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS") or their subsidiaries and/or other affiliates do not have a proprietary position in the securities recommended in this report as of 31 Jan 2022.

#### Compensation for investment banking services:

- 2. DBS Bank Ltd, DBS HK, DBSVS their subsidiaries and/or other affiliates of DBSVUSA have received compensation, within the past 12 months for investment banking services from Aztech Global as of 31 Jan 2022.
- 3. DBS Bank Ltd, DBS HK, DBSVS, their subsidiaries and/or other affiliates of DBSVUSA have managed or co-managed a public offering of securities for Aztech Global in the past 12 months, as of 31 Jan 2022.
- 4. DBSVUSA does not have its own investment banking or research department, nor has it participated in any public offering of securities as a manager or co-manager or in any other investment banking transaction in the past twelve months. Any US persons wishing to obtain further information, including any clarification on disclosures in this disclaimer, or to effect a transaction in any security discussed in this document should contact DBSVUSA exclusively.

#### Disclosure of previous investment recommendation produced:

5. DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"), their subsidiaries and/or other affiliates may have published other investment recommendations in respect of the same securities / instruments recommended in this research report during the preceding 12 months. Please contact the primary analyst listed on page 1 of this report to view previous investment recommendations published by DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"), their subsidiaries and/or other affiliates in the preceding 12 months.

<sup>&</sup>lt;sup>1</sup> An associate is defined as (i) the spouse, or any minor child (natural or adopted) or minor step-child, of the analyst; (ii) the trustee of a trust of which the analyst, his spouse, minor child (natural or adopted) or minor step-child, is a beneficiary or discretionary object; or (iii) another person accustomed or obliged to act in accordance with the directions or instructions of the analyst.

<sup>&</sup>lt;sup>2</sup> Financial interest is defined as interests that are commonly known financial interest, such as investment in the securities in respect of an issuer or a new listing applicant, or financial accommodation arrangement between the issuer or the new listing applicant and the firm or analysis. This term does not include commercial lending conducted at arm's length, or investments in any collective investment scheme other than an issuer or new listing applicant notwithstanding the fact that the scheme has investments in securities in respect of an issuer or a new listing applicant.



### RESTRICTIONS ON DISTRIBUTION

RESTRICTIONS OF	
General	This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation.
Australia	This report is being distributed in Australia by DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS") or DBSV HK. DBS Bank Ltd holds Australian Financial Services Licence no. 475946.
	DBS Bank Ltd, DBSVS and DBSV HK are exempted from the requirement to hold an Australian Financial Services Licence under the Corporation Act 2001 ("CA") in respect of financial services provided to the recipients. Both DBS and DBSVS are regulated by the Monetary Authority of Singapore under the laws of Singapore, and DBSV HK is regulated by the Hong Kong Securities and Futures Commission under the laws of Hong Kong, which differ from Australian laws.
	Distribution of this report is intended only for "wholesale investors" within the meaning of the CA.
Hong Kong	This report has been prepared by a person(s) who is not licensed by the Hong Kong Securities and Futures Commission to carry on the regulated activity of advising on securities in Hong Kong pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong). This report is being distributed in Hong Kong and is attributable to DBS Bank (Hong Kong) Limited ("DBS HK"), a registered institution registered with the Hong Kong Securities and Futures Commission to carry on the regulated activity of advising on securities pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong). DBS Bank Ltd., Hong Kong Branch is a limited liability company incorporated in Singapore.
	For any query regarding the materials herein, please contact Carol Wu (Reg No. AH8283) at dbsvhk@dbs.com
Indonesia	This report is being distributed in Indonesia by PT DBS Vickers Sekuritas Indonesia.
Malaysia	This report is distributed in Malaysia by AllianceDBS Research Sdn Bhd ("ADBSR"). Recipients of this report, received from ADBSR are to contact the undersigned at 603-2604 3333 in respect of any matters arising from or in connection with this report. In addition to the General Disclosure/Disclaimer found at the preceding page, recipients of this report are advised that ADBSR (the preparer of this report), its holding company Alliance Investment Bank Berhad, their respective connected and associated corporations, affiliates, their directors, officers, employees, agents and parties related or associated with any of them may have positions in, and may effect transactions in the securities mentioned herein and may also perform or seek to perform broking, investment banking/corporate advisory and other services for the subject companies. They may also have received compensation and/or seek to obtain compensation for broking, investment banking/corporate advisory and other services for the subject companies.
	General and the subject companies.
	Wong Ming Tek, Executive Director, ADBSR
Singapore	This report is distributed in Singapore by DBS Bank Ltd (Company Regn. No. 196800306E) or DBSVS (Company Regn No. 198600294G), both of which are Exempt Financial Advisers as defined in the Financial Advisers Act and regulated by the Monetary Authority of Singapore. DBS Bank Ltd and/or DBSVS, may distribute reports produced by its respective foreign entities, affiliates or other foreign research houses pursuant to an arrangement under Regulation 32C of the Financial Advisers Regulations. Where the report is distributed in Singapore to a person who is not an Accredited Investor, Expert Investor or an Institutional Investor, DBS Bank Ltd accepts legal responsibility for the contents of the report to such persons only to the extent required by law. Singapore recipients should contact DBS Bank Ltd at 6878 8888 for matters arising from, or in connection with the report.



Thailand	This report is being distributed in Thailand by DBS Vickers Securities (Thailand) Co Ltd.
	For any query regarding the materials herein, please contact [Chanpen Sirithanarattanakul] at [research@th.dbs.com]
United Kingdom	This report is produced by DBS Bank Ltd which is regulated by the Monetary Authority of Singapore.
	This report is disseminated in the United Kingdom by DBS Vickers Securities (UK) Ltd, ("DBSVUK"). DBSVUK is authorised and regulated by the Financial Conduct Authority in the United Kingdom.
	In respect of the United Kingdom, this report is solely intended for the clients of DBSVUK, its respective connected and associated corporations and affiliates only and no part of this document may be (i) copied, photocopied or duplicated in any form or by any means or (ii) redistributed without the prior written consent of DBSVUK. This communication is directed at persons having professional experience in matters relating to investments. Any investment activity following from this communication will only be engaged in with such persons. Persons who do not have professional experience in matters relating to investments should not rely on this communication.
Dubai International Financial Centre / United Arab Emirates	This communication is provided to you as a Professional Client or Market Counterparty as defined in the DFSA Rulebook Conduct of Business Module (the "COB Module"), and should not be relied upon or acted on by any person which does not meet the criteria to be classified as a Professional Client or Market Counterparty under the DFSA rules.
	This communication is from the branch of DBS Bank Ltd operating in the Dubai International Financial Centre (the "DIFC") under the trading name "DBS Bank Ltd. (DIFC Branch)" ("DBS DIFC"), registered with the DIFC Registrar of Companies under number 156 and having its registered office at units 608 - 610, 6th Floor, Gate Precinct Building 5, PO Box 506538, DIFC, Dubai, United Arab Emirates.
	DBS DIFC is regulated by the Dubai Financial Services Authority (the "DFSA") with a DFSA reference number F000164. For more information on DBS DIFC and its affiliates, please see <u>http://www.dbs.com/ae/our</u> network/default.page.
	Where this communication contains a research report, this research report is prepared by the entity referred to therein, which may be DBS Bank Ltd or a third party, and is provided to you by DBS DIFC. The research report has not been reviewed or authorised by the DFSA. Such research report is distributed on the express understanding that, whilst the information contained within is believed to be reliable, the information has not been independently verified by DBS DIFC.
	Unless otherwise indicated, this communication does not constitute an "Offer of Securities to the Public" as defined under Article 12 of the Markets Law (DIFC Law No.1 of 2012) or an "Offer of a Unit of a Fund" as defined under Article 19(2) of the Collective Investment Law (DIFC Law No.2 of 2010).
	The DFSA has no responsibility for reviewing or verifying this communication or any associated documents in connection with this investment and it is not subject to any form of regulation or approval by the DFSA. Accordingly, the DFSA has not approved this communication or any other associated documents in connection with this investment nor taken any steps to verify the information set out in this communication or any associated documents to which the communication relates and, in respect of any Islamic investments (or other investments identified to be Shari'a compliant), neither we nor the DFSA has determined whether they are Shari'a compliant in any way.
	Any investments which this communication relates to may be illiquid and/or subject to restrictions on their resale. Prospective purchasers should conduct their own due diligence on any investments. If you do not understand the contents of this document you should consult an authorised financial adviser.



United States	This report was prepared by DBS Bank Ltd. DBSVUSA did not participate in its preparation. The research analyst(s) named on this report are not registered as research analysts with FINRA and are not associated persons of DBSVUSA. The research analyst(s) are not subject to FINRA Rule 2241 restrictions on analyst compensation, communications with a subject company, public appearances and trading securities held by a research analyst. This report is being distributed in the United States by DBSVUSA, which accepts responsibility for its contents. This report may only be distributed to Major U.S. Institutional Investors (as defined in SEC Rule 15a-6) and to such other institutional investors and qualified persons as DBSVUSA may authorize. Any U.S. person receiving this report who wishes to effect transactions in any securities referred to herein should contact DBSVUSA directly and not its affiliate.
Other jurisdictions	In any other jurisdictions, except if otherwise restricted by laws or regulations, this report is intended only for qualified, professional, institutional or sophisticated investors as defined in the laws and regulations of such jurisdictions.

### **DBS Regional Research Offices**

### HONG KONG

DBS (Hong Kong) Ltd Contact: Carol Wu 13th Floor One Island East, 18 Westlands Road, Quarry Bay, Hong Kong Tel: 852 3668 4181 Fax: 852 2521 1812 e-mail: dbsvhk@dbs.com

#### INDONESIA

PT DBS Vickers Sekuritas (Indonesia) Contact: Maynard Priajaya Arif DBS Bank Tower Ciputra World 1, 32/F Jl. Prof. Dr. Satrio Kav. 3-5 Jakarta 12940, Indonesia Tel: 62 21 3003 4900 Fax: 6221 3003 4943 e-mail: indonesiaresearch@dbs.com

### MALAYSIA

AllianceDBS Research Sdn Bhd Contact: Wong Ming Tek 19th Floor, Menara Multi-Purpose, Capital Square, 8 Jalan Munshi Abdullah 50100 Kuala Lumpur, Malaysia. Tel.: 603 2604 3333 Fax: 603 2604 3921 e-mail: general@alliancedbs.com Co. Regn No. 198401015984 (128540-U)

### THAILAND

#### DBS Vickers Securities (Thailand) Co Ltd

Contact: Chanpen Sirithanarattanakul 989 Siam Piwat Tower Building, 9th, 14th-15th Floor Rama 1 Road, Pathumwan, Bangkok Thailand 10330 Tel. 66 2 857 7831 Fax: 66 2 658 1269 e-mail: research@th.dbs.com Company Regn. No 0105539127012 Securities and Exchange Commission, Thailand

#### SINGAPORE DBS Bank Ltd

Contact: Janice Chua 12 Marina Boulevard, Marina Bay Financial Centre Tower 3 Singapore 018982 Tel: 65 6878 8888 e-mail: groupresearch@dbs.com Company Regn. No. 196800306E