# China / Hong Kong Company Update Hong Kong Technology Venture Co Ltd

### Bloomberg: 1137 HK EQUITY | Reuters: 1137.HK

Refer to important disclosures at the end of this report

## DBS Group Research . Equity

### 31 Mar 2022

# BUY

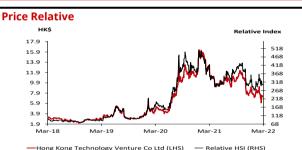
Last Traded Price (30 Mar 2022): HK\$7.36 (HSI : 22,232) Price Target 12-mth: HK\$12.50 (70% upside) (Prev HK\$10.00)

### Analyst

Tsz Wang Tam +852 36684195 tszwangtam@dbs.com Lilian Lv lilianlv@dbs.com

## What's New

- Revenue increased by 8.8% y-o-y to HK\$3,130m in FY21, below market expectations
- Despite a weak FY21 performance, GMV in 1Q22 reached a record-high amid fifth wave of Covid
- Expect GMV to grow at 22% CAGR in 2021-2023; revised down FY22-23F earnings by 42% and 68% after incorporating higher fulfillment investments
- Maintain BUY with higher TP of HK\$12.5 based on 3x FY22F P/S



### **Forecasts and Valuation**

Torceases and valuation				
FY Dec (HK\$m)	2020A	2021A	2022F	2023F
Turnover	2,878	3,130	3,814	4,313
EBITDA	207	81	167	176
Pre-tax Profit	184	6	80	90
Net Profit	184	15	88	98
Net Profit Gth (Pre-ex) (%)	N/A	(91.9)	497.9	10.4
EPS (HK\$)	0.20	0.02	0.10	0.11
EPS Gth (%)	N/A	(92.1)	497.9	10.4
Diluted EPS (HK\$)	0.20	0.02	0.09	0.10
DPS (HK\$)	0.00	0.08	0.00	0.00
BV Per Share (HK\$)	2.56	2.16	2.27	2.39
PE (X)	36.0	456.2	76.3	69.1
P/Cash Flow (X)	10.9	27.3	18.8	16.1
P/Free CF (X)	12.7	360.6	nm	177.7
EV/EBITDA (X)	30.8	86.7	42.4	40.6
Net Div Yield (%)	0.0	1.0	0.0	0.0
P/Book Value (X)	2.9	3.4	3.2	3.1
Net Debt/Equity (X)	CASH	0.1	0.2	0.2
ROAE(%)	10.3	0.7	4.2	4.4
Earnings Rev (%):			(42)	(68)
Consensus EPS (HK\$)			0.17	0.29
Other Broker Recs:		B:6	S:0	H:0

Source of all data on this page: Company, DBS Bank (Hong Kong) Limited ("DBS HK"), Thomson Reuters

# Riding on the rise of online shopping

### **Investment Thesis**

Key beneficiary of rising penetration of online retailing in HK. HKTV is a leading online retail player, benefitting from the strong growth of Hong Kong's online retail sales, which is expected to grow at a 10.8% CAGR to HK\$82bn in FY25.

**Fulfilment capability supports resilient growth.** HKTV's wellestablished logistics network and automated sorting process provides shorter delivery time and enjoys operating leverage.

New e-commerce solutions business supporting medium-term growth. The company has secured two contracts with local and overseas retail players, which is a good start for monetisation of HKTV's digital solutions.

### Valuation:

Factoring in HKTV's shift in focus from profit to growth, near-term profitability should be affected by higher capex. Given the strong GMV growth, we revised up our revenue forecast by 6% and 4% for FY22 and FY23 and changed our valuation methodology based on P/S (vs P/E previously). New TP arrived at HK\$12.5, based on 3x FY22F P/S, largely in line with historical range of leading players.

### Where we differ:

Our GMV estimate for FY22F and FY23F is 9% and 8% higher than consensus. We believe HKTV's diverse product offerings and wellestablished fulfillment gives the company a strong competitive advantage in Hong Kong.

### Key Risks to Our View:

**Intense competition from new entrants.** New entrants such as Chinese e-commerce players could be aggressive and intensify competition in the online retail market.

**Prolonged deterioration of consumption sentiment.** Prolonged deterioration of consumption sentiment could reduce retail sales for discretionary items, and in turn, impact the company's GMV growth.

### At A Glance

Issued Capital (m shrs)	920
Mkt Cap (HK\$m/US\$m)	6,770 / 865
Major Shareholders (%)	
Top Group International Limited	38.6
Free Float (%)	61.4
3m Avg. Daily Val. (US\$m)	4.73
GICS Industry: Consumer Discretionary / Retailin	ng







### WHAT'S NEW

### FY21 results missed; Raised FY22 GMV and EBITDA targets

### FY21 results highlights

- Revenue increased by 8.8% y-o-y to HK\$3,130m, below market expectations of c.13% growth.

- Net profit fell by 92% to HK\$14.3m, below market expectations, mainly due to slower revenue growth and higher opex expenses in 2H21

- Adjusted EBITDA contracted to HK\$112.7m in FY21 vs. HK\$236.2m in FY20.

- In terms of operating matrix, GMV grew by 10.4% to HK\$6,574m; average daily orders increased to 39k in FY21, up from 32.3k in FY20; average order value decreased by 8% to HK\$462.

- Gross profit as % of GMV was 23.7% in FY21, slightly lower from 24.6% in FY20. The lower margin was mainly due to intensifying competition for online groceries and lower 3P commission rate for electronic products.

- Fulfilment cost as a percentage of GMV remained stable at 11.7% in FY21 (vs 11.8% in FY20).

- No final dividend was declared for FY21.

- Note that the company disclosed 2022 GMV guidance of HK\$7.5-8bn and adjusted EBITDA of c.HK\$50bn in a business update announced in Jan 22. It has since raised FY22 targets as follows: (1) GMV of HK\$8-8.5bn, representing 21.7-29.4% y-o-y growth (2) adjusted EBITDA as a % of GMV at 2.0-2.5% (vs 2021: 2.3%), representing y-o-y growth of 42%-89% to c.HK\$160-213m. The guidance for multimedia advertising income remained unchanged at c.HK\$120m.

-To support mid-long-term growth, HKTV has launched a 5year CAPEX plan to expand automated fulfillment capacity from existing 570k sq.ft. to 900k+ sq.ft., at a total cost of around HK\$860m.

### Our View:

- Average daily GMV in Jan, Feb, and first 28 days of Mar of around HK\$22.5 m, HK\$30.5 m and HK\$23.3m respectively. Based on that, we estimate that 1Q22 GMV grew by 46% y-o-y.

- Therefore, we believe the new FY22 targets should be achievable, supported by strong online shopping demand under the fifth wave of Covid and its enhanced fulfillment capability.

- As for the automated retail store business, management targets to have the first deployment on a pilot basis in Manchester in 2H22. This represents longer term growth potential.

- Overall, we are revising down our earnings by 42% and 68% for FY22 and FY23 respectively, after incorporating increased investments on fulfillment facilities to enable 95% orders to meet "2 days delivery" target (from a low base of 35% in 2021). We believe HKTV will further enlarge its business scale with enhanced fulfillment, and we expect GMV to grow by 30% in FY22 and 15% in FY23 respectively. Our adjusted EBITDA for FY22F is c.HK\$195m.

-Factoring in HKTV's shift in focus from profit to growth mode, we changed our valuation methodology to be based on P/S (vs P/E previously) and raised our TP to HK\$12.5, based on 3x FY22F P/S, largely in line with historical range of leading players.

### **Company Background**

HKTV launched online shopping platform "HKTVmall" to start its e-commerce business in 2015. Since then, HKTVmall has become the largest local online retail platform with a c.20% market share in Hong Kong.



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

FY Dec	2H2020	1H2021	2H2021	% chg yoy	% chg hoh
Povenue	1 5 2 9	1 5 1 9	1 ( 1 )	4.0	6.2
Revenue	1,538	1,518	1,612	4.8	6.2
Cost of Goods Sold	(787)	(755)	(820)	4.2	8.6
Gross Profit	751	763	792	5.5	3.8
Other Oper. (Exp)/Inc	(756)	(697)	(905)	19.8	29.9
Operating Profit	(5)	66	(113)	2,145.7	nm
Other Non Opg (Exp)/Inc	84	34	29	(65.3)	(15.1)
Associates & JV Inc	0	0	0	nm	nm
Net Interest (Exp)/Inc	(4)	(4)	(6)	(56.6)	(64.0)
Exceptional Gain/(Loss)	0	0	0	nm	nm
Pre-tax Profit	75	97	(90)	nm	nm
Тах	0	(1)	9	nm	nm
Minority Interest	0	0	1	nm	nm
Net Profit	74	96	(81)	nm	nm
Net profit bef Except.	74	96	(81)	nm	nm
EBITDA	51	121	(58)	nm	nm
Margins (%)					
Gross Margins	48.8	50.3	49.1		
Opg Profit Margins	(0.3)	4.4	(7.0)		
Net Profit Margins	4.8	6.3	(5.0)		

Source: Company, DBS HK

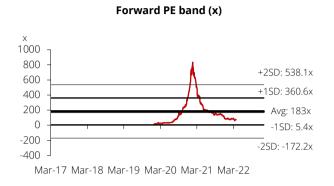
### Income Statement (HK\$ m)

FY Dec	2020A	2021A	% cha vov
Revenue	2,878	3,130	8.8
Cost of Goods Sold	(1,463)	(1,575)	7.6
Gross Profit	1,414	1,555	9.9
Other Opng (Exp)/Inc	(1,331)	(1,602)	20.4
Operating Profit	84	(47)	(156.5)
Other Non Opg (Exp)/Inc	103	58	(43.8)
Associates & JV Inc	0	0	nm
Net Interest (Exp)/Inc	(7)	(10)	(40.6)
Exceptional Gain/(Loss)	0	0	nm
Pre-tax Profit	184	6	(96.7)
Tax	(1)	8	(1,558.0)
Minority Interest	0	1	nm
Net Profit	184	15	(91.9)
Net Profit before Except.	184	15	(91.9)
EBITDA	207	81	(60.8)
Margins & Ratio			
Gross Margins (%)	49.1	49.7	
Opg Profit Margin (%)	2.9	(1.5)	
Net Profit Margin (%)	6.4	0.5	

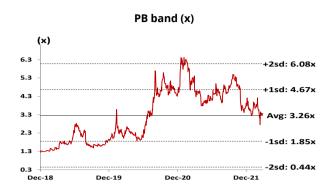
Source: Company, DBS HK



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



Source: Thomson Reuters, DBS HK



### **Key Assumptions**

2019A	2020A	2021A	2022F	2023F
2,707.8	5,838.1	6,494.6	8,439.9	9,705.9
15,100.0	32,300.0	39,000.0	47,190.0	54,268.5
0.0	0.0	0.9	50.0	100.0
	2,707.8 15,100.0	2,707.8 5,838.1 15,100.0 32,300.0	2,707.8 5,838.1 6,494.6 15,100.0 32,300.0 39,000.0	2,707.8 5,838.1 6,494.6 8,439.9 15,100.0 32,300.0 39,000.0 47,190.0

### Segmental Breakdown (HK\$ m)

FY Dec	2019A	2020A	2021A	2022F	2023F
Revenues (HK\$ m)					
Direct merchandise sales	1,101	1,970	2,047	2,259	2,395
Multimedia advertising					
income and licensing of	303	884	991	1,375	1,628
programme rights					
New business and Others	10	24	92	180	290
Total	1,414	2,878	3,130	3,814	4,313
Source: Company, DBS HK					

# Income Statement (HK\$ m)

FY Dec	2019A	2020A	2021A	2022F	2023F
Revenue	1,414	2,878	3,130	3,814	4,313
Cost of Goods Sold	(853)	(1,463)	(1,575)	(1,758)	(1,887)
Gross Profit	561	1,414	1,555	2,056	2,426
Other Opng (Exp)/Inc	(893)	(1,331)	(1,602)	(2,017)	(2,378)
Operating Profit	(333)	84	(47)	39	48
Other Non Opg (Exp)/Inc	50	103	58	46	46
Associates & JV Inc	0	0	0	0	0
Net Interest (Exp)/Inc	(12)	(7)	(10)	(10)	(10)
Dividend Income	5	5	5	5	5
Exceptional Gain/(Loss)	0	0	0	0	0
Pre-tax Profit	(290)	184	6	80	90
Тах	0	(1)	8	8	8
Minority Interest	0	0	1	0	0
Preference Dividend	0	0	0	0	0
Net Profit	(290)	184	15	88	98
Net Profit before Except.	(290)	184	15	88	98
EBITDA	(227)	207	81	167	176
Growth					
Revenue Gth (%)	57.7	103.5	8.8	21.9	13.1
EBITDA Gth (%)	19.6	N/A	(60.8)	106.3	5.5
Opg Profit Gth (%)	(12.5)	(125.1)	(156.5)	(183.0)	23.4
Net Profit Gth (%)	(117.8)	N/A	(91.9)	497.9	10.4
Margins & Ratio					
Gross Margins (%)	39.7	49.1	49.7	53.9	56.3
Opg Profit Margin (%)	(23.5)	2.9	(1.5)	1.0	1.1
Net Profit Margin (%)	(20.5)	6.4	0.5	2.3	2.3
ROAE (%)	(18.3)	10.3	0.7	4.2	4.4
ROA (%)	(12.8)	6.8	0.5	2.7	2.8
ROCE (%)	(16.5)	3.4	(1.6)	1.2	1.4
Div Payout Ratio (%)	N/A	0.0	496.2	0.0	0.0
Net Interest Cover (x)	(26.8)	12.0	(4.8)	4.0	4.9
Source: Company, DBS HK					

.

# Hong Kong Technology Venture Co Ltd

# Live more, Bank less

# Interim Income Statement (HK\$ m)

Internit income statem					
FY Dec	2H2019	1H2020	2H2020	1H2021	2H2021
Revenue	788	1,340	1,538	1,518	1,612
Cost of Goods Sold	(478)	(676)	(787)	(755)	(820)
Gross Profit	311	663	751	763	792
Other Oper. (Exp)/Inc	(454)	(575)	(756)	(697)	(905)
Operating Profit	(143)	89	(5)	66	(113)
Other Non Opg (Exp)/Inc	17	27	84	34	29
Associates & JV Inc	0	0	0	0	0
Net Interest (Exp)/Inc	(8)	(6)	(4)	(4)	(6)
Exceptional Gain/(Loss)	0	0	0	0	0
Pre-tax Profit	(135)	109	75	97	(90)
Тах	0	0	0	(1)	9
Minority Interest	0	0	0	0	1
Net Profit	(135)	109	74	96	(81)
Net profit bef Except.	(135)	109	74	96	(81)
Growth					
Revenue Gth (%)	55.3	114.2	95.1	13.3	4.8
Opg Profit Gth (%)	(25.8)	(146.8)	(96.5)	(25.3)	2,145.7
Net Profit Gth (%)	13.1	N/A	N/A	(12.3)	N/A
Margins					
Gross Margins (%)	39.4	49.5	48.8	50.3	49.1
Opg Profit Margins (%)	(18.2)	6.6	(0.3)	4.4	(7.0)
Net Profit Margins (%)	(17.1)	8.2	4.8	6.3	(5.0)
Source: Company, DBS HK					

# Balance Sheet (HK\$ m)

FY Dec	2019A	2020A	2021A	2022F	2023F
Net Fixed Assets	1,410	1,398	1,752	1,852	1,952
Invts in Associates & IVs	0	0,00	0	1,052	1,952
Other LT Assets	571	414	415	472	539
Cash & ST Invts	244	1,052	780	772	849
Inventory	96	127	134	141	148
Debtors	0	0	0	0	0
Other Current Assets	83	18	175	175	175
Total Assets	2,403	3,008	3,256	3,413	3,664
_				-,	
ST Debt	347	605	663	776	965
Creditors	315	0	0	0	0
Other Current Liab	92	101	134	124	124
LT Debt	197	204	397	347	297
Other LT Liabilities	1	1	1	1	1
Shareholder's Equity	1,452	2,098	2,062	2,165	2,278
Minority Interests	0	0	(1)	(1)	(1)
Total Cap. & Liab.	2,403	3,008	3,256	3,413	3,664
Non Cash Wilke Capital	(220)	44	176	193	200
Non-Cash Wkg. Capital Net Cash/(Debt)	(228) (299)	243	(280)	(351)	200 (412)
Debtors Turn (avg days)	(299) N/A	243 N/A	(280) N/A	(331) N/A	(412) N/A
Creditors Turn (avg days)	95.6	42.7	N/A	N/A	N/A
Inventory Turn (avg days)	36.4	30.2	32.8	30.7	29.9
Asset Turnover (x)	0.6	1.1	1.0	1.1	1.2
Current Ratio (x)	0.6	1.7	1.4	1.1	1.1
Quick Ratio (x)	0.3	1.7	1.4	0.9	0.8
Net Debt/Equity (X)	0.2	CASH	0.1	0.2	0.2
Net Debt/Equity ex MI (X)	0.2	CASH	0.1	0.2	0.2
Capex to Debt (%)	25.8	10.9	21.5	33.8	30.1
Z-Score (X) Source: Company, DBS HK	NA	NA	NA	NA	NA

# Cash Flow Statement (HK\$ m)

\_

FY Dec	2019A	2020A	2021A	2022F	2023F
Pre-Tax Profit	(290)	184	6	80	90
Dep. & Amort.	171	206	213	213	213
Tax Paid	0	0	8	8	8
Assoc. & JV Inc/(loss)	0	0	0	0	0
(Pft)/ Loss on disposal of FAs	2	(1)	0	0	0
Chg in Wkg.Cap.	(40)	181	5	44	95
Other Operating CF	(15)	38	15	13	13
Net Operating CF	(172)	608	247	358	418
Capital Exp.(net)	(140)	(88)	(228)	(380)	(380)
Other Invts.(net)	141	201	(116)	0	0
Invts in Assoc. & JV	0	0	0	0	0
Div from Assoc & JV	39	30	20	20	20
Other Investing CF	0	0	(100)	0	0
Net Investing CF	40	143	(424)	(360)	(360)
Div Paid	0	0	(73)	0	0
Chg in Gross Debt	171	(409)	(58)	(58)	(58)
Capital Issues	9	454	0	0	0
Other Financing CF	(4)	(3)	(10)	(10)	(10)
Net Financing CF	176	42	(141)	(68)	(68)
Currency Adjustments	0	0	0	0	0
Chg in Cash	44	793	(318)	(70)	(10)
Opg CFPS (HK\$)	(0.16)	0.48	0.26	0.34	0.35
Free CFPS (HK\$)	(0.38)	0.58	0.02	(0.02)	0.04

Source: Company, DBS HK



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



S.N	o. Date	Closing Price	12-mth Target Price	Rating
1:	29-Apr-21	HK\$11.10	HK\$13.50	Buy
2:	14-Dec-21	HK\$7.98	HK\$10.00	Buy

Source: DBS HK

Analyst: Tsz Wang Tam Lilian Lv

Live more, Bank less

DBS HK 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: 31 Mar 2022 10:29:38 (HKT) Dissemination Date: 31 Mar 2022 11:05:10 (HKT)

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

### GENERAL DISCLOSURE/DISCLAIMER

This report is prepared by DBS Bank (Hong Kong) Limited ("DBS HK"). This report is solely intended for the clients of DBS Bank Ltd., DBS HK, DBS Vickers (Hong Kong) Limited ("DBSV HK"), and DBS Vickers Securities (Singapore) Pte Ltd. ("DBSVS"), 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 HK.

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., DBS HK, DBSV HK, DBSVS, 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 effect 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 judgment 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.

DBS Vickers Securities (USA) Inc ("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.



Neither DBS Bank Ltd nor DBS HK market makes in equity securities of the issuer(s) or company(ies) mentioned in this Research Report.

### 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 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 this research report. 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 the issuer or the new listing applicant applicant applicant and the research analyst(s) primarily responsible for the content of the issuer or the new listing applicant 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, DBSVS or their subsidiaries and/or other affiliates do not have a proprietary position in the securities recommended in this report as of 29 Mar 2022.

### 2. Compensation for investment banking services:

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.

### 3. Disclosure of previous investment recommendation produced:

DBS Bank Ltd, DBSVS, DBS HK, their subsidiaries and/or other affiliates of DBSVUSA 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 HK, DBSVS, their subsidiaries and/or other affiliates of DBSVUSA 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

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, 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 Bank Ltd 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 is being distributed in Hong Kong by DBS Bank Ltd, DBS Bank (Hong Kong) Limited and DBS Vickers (Hong Kong) Limited, all of which are registered with or licensed by the Hong Kong Securities and Futures Commission to carry out the regulated activity of advising on securities. DBS Bank Ltd., Hong Kong Branch is a limited liability company incorporated in Singapore.
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 from 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	This report is produced by DBS HK which is regulated by the Hong Kong Monetary Authority
Kingdom	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.





Dubai International Financial Centre	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-network/default.page</u> . 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 and it is not subject to any form of regulation or approval by the DFSA. Accordingly, 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
United States	This report was prepared by DBS HK. 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 Bank (Hong Kong) Limited

13<sup>th</sup> Floor One Island East, 18 Westlands Road, Quarry Bay, Hong Kong Tel: (852) 3668-4181, Fax: (852) 2521-1812



### **DBS Regional Research Offices**

### HONG KONG DBS Bank (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

### 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

### 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

### 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, Thailanc