Singapore Company Guide **APAC Realty**

Version 13 | Bloomberg: APAC SP | Reuters: APAC.SI

Refer to important disclosures at the end of this report

DBS Group Research . Equity

HOLD

Last Traded Price (10 Jun 2020): \$\$0.42 (**STI :** 2,800.57) **Price Target 12-mth:** \$\$0.41 (-3% downside) (Prev \$\$0.52)

Analyst

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

What's New

- Slight improvement in market share in 1Q20; ample supply ahead
- Adverse financial impact to be felt in 3Q20 from weak 2Q sales
- Cut FY20F/FY21F earnings by 69/53% from pre COVID-19 projections
- Maintain HOLD with lower TP of S\$0.41



Forecasts and Valuation				
FY Dec (S\$m)	2018A	2019A	2020F	2021F
Revenue	424	370	281	289
EBITDA	31.1	20.4	8.31	11.7
Pre-tax Profit	29.2	17.2	5.92	9.30
Net Profit	24.2	14.0	4.85	7.63
Net Pft (Pre Ex.)	24.2	14.0	4.85	7.63
Net Pft Gth (Pre-ex) (%)	(6.4)	(42.2)	(65.4)	57.3
EPS (S cts)	6.83	3.94	1.37	2.15
EPS Pre Ex. (S cts)	6.83	3.94	1.37	2.15
EPS Gth Pre Ex (%)	(6)	(42)	(65)	57
Diluted EPS (S cts)	6.83	3.94	1.37	2.15
Net DPS (S cts)	4.50	2.00	0.69	1.09
BV Per Share (S cts)	40.3	41.0	41.6	42.7
PE (X)	6.2	10.6	30.8	19.6
PE Pre Ex. (X)	6.2	10.6	30.8	19.6
P/Cash Flow (X)	13.2	8.8	21.3	17.7
EV/EBITDA (X)	5.3	8.4	20.2	14.1
Net Div Yield (%)	10.7	4.8	1.6	2.6
P/Book Value (X)	1.0	1.0	1.0	1.0
Net Debt/Equity (X)	0.1	0.2	0.1	0.1
ROAE (%)	17.6	9.7	3.3	5.1
Earnings Rev (%):			(69)	(53)
Consensus EPS (S cts):			4.20	4.50
Other Broker Recs:		B: 3	S: 0	H: 1

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

11 Jun 2020

3Q to be dragged by weak 2Q sales

Adverse financial impact in 3Q20 from weak 2Q20 sales. ERA's market share in the residential property market has improved to 39.8% in 1Q20. However, weak property sales during the lockdown period in April to May, and June as real estate activity remains suspended in Phase One, would adversely affect the financial performance in 3Q20, given the time lag in revenue recognition. Hence, we anticipate 3Q20 to be loss-making.

We have lowered our sales assumptions for all segments for FY20F from our pre COVID-19 projections. We are now projecting a 34% y-o-y drop in transaction value for the private primary and secondary segments in FY20F, followed by a slight rebound of 3% in FY21F. The HDB resale market is also expected to be weak, -5% y-o-y in FY20F and +3% in FY21F.

Ample supply. To date, ERA has been appointed the marketing agent for 38 residential projects with approximately 12,300 new home units to be launched in FY20-1H21, of which 13 projects with close to 3,600 units were launched for sale in 1Q20.

Where we differ: We are less optimistic in the take up rate of new launches as well as transaction activities in the resale market.

Potential catalyst: 1) Strong pick up in private property transaction activities; 2) Easing of property cooling measures.

Valuation:

Maintain HOLD with lower TP of \$\$0.41. We have cut FY20F/FY21F earnings by 69%/53% from our pre COVID-19 estimates. Our TP of \$\$0.41 (prev \$\$0.52) is based on its average forward PE of 19x on FY21F earnings. Maintain HOLD.

Key Risks to Our View:

Outlook is dependent on Singapore's residential property market and macroeconomic conditions.

At A Glance

Issued Capital (m shrs)	355
Mkt. Cap (S\$m/US\$m)	149 / 108
Major Shareholders (%)	
Tan Choon Hong	71.8
Free Float (%)	28.2
3m Avg. Daily Val (US\$m)	0.06
GIC Industry : Real Estate / Real Estate Management &	Develonment

GIC Industry: Real Estate / Real Estate Management & Development







WHAT'S NEW

Adverse financial impact from COVID-19 to be felt in 3Q20

Slight improvement in market share in 1Q20. ERA achieved a healthy 39.8% share of the residential property market in 1Q20, up from 37.9% in 1Q19 and 38.0% in FY19. In the primary market segment, we estimated that ERA's market share improved to 34.8% from 29.6% in 1Q19. Singapore's private residential resale market recorded sales of 2,120 units in 1Q20, representing an increase of 11.3% y-o-y. The HDB resale market saw a higher increase of 21.9% y-o-y to 5,893 transactions. ERA's estimated market share in this segment improved slightly from 40.2% in 1Q19 to 41.4% in 1Q20.

Transaction volume for 1Q 2020

	1Q 2020 (units)	1Q 2019 (units)	y-o-y (%)
New home sales	2149	1838	+16.9
Private resale	2120	1905	+11.3
HDB resale	5893	4835	+18.9
ERA's market share)		
New home	34.8%	29.6%	
Resale and HDB	41.4%	40.2%	

Source: Company, DBS Bank

Secured marketing mandate for 38 projects. ERA has secured marketing agent mandates for 38 residential projects with approximately 12,300 new home units to be launched in FY20 and 1H21, of which 13 projects with close to 3,600 units were launched for sale in 1Q20.

Weak sales in 2Q20. Market transactions plunged in the months of April and May 2020. With the implementation of circuit breaker measures from 7 April 2020, house viewings were suspended and showflats were closed to the public. As a result, marketing and sales activity of new homes can only continue on virtual platforms. June is also expected to be weak as real estate activity remains suspended in Phase One, although the circuit breaker period ended on 1 June 2020.

Transaction volume for April and May 2020

	New home sales	Private resale	HDB resale
April 2020	277	309	423
m-o-m (%)	<i>-58</i>	<i>-57</i>	-79.8
May 2020	n.a.	171	364
m-o-m (%)	n.a.	-43	-13.9

Source: Company, DBS Bank

Adverse financial impact to be felt in 3Q20. As a result of the suspension of real estate business during the circuit breaker, and the time required for completion of real estate transactions, coupled with the time lag in revenue recognition, the adverse financial impact from the circuit breaker period will be felt only in 3Q20. Hence, 3Q20 is expected to be loss-making.

Cut FY20F/FY21F earnings by 69/53% from pre COVID-19 projections. On the back of the disruption to business activities due to the pandemic and a weaker global economy, with many regions including Singapore expected to be in a recession this year, we have lowered our sales assumption for all segments for FY20F versus our pre COVID-19 estimates. We are now projecting a 34% y-o-y drop in transaction value for the private primary and secondary segment in FY20F, followed by a slight rebound of 3% in FY21F. The HDB resale market is also expected to be weak, -5% y-o-y in FY20F and +3% in FY21F. As such, we have cut our earnings projection for FY20F/FY21F earnings by 69%/53%. Our TP of \$\$0.41 (prev \$\$0.52, pegged to peers' average of 12x on FY20F earnings) is based on the average forward PE of 19x on FY21F earnings. Maintain HOLD.



CRITICAL DATA POINTS TO WATCH

Critical Factors

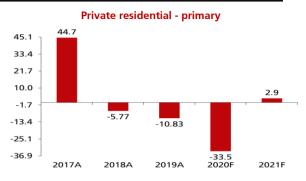
Property sales – expect a weak FY20F due to the pandemic.

About 80% of APAC's revenue is generated from the brokerage segment. About one-third each of total revenue is from the private primary residential market, the private secondary residential market and the HDB resale & leasing market. We expect the private residential primary and secondary markets to be weak in FY20F, with a 34% y-o-y drop in transaction value due to the COVID-19 impact. We expect a slight recovery of 3% y-o-y in FY21F for both segments. The HDB resale market is less volatile, we project a negative 5% y-o-y growth in FY20F and to rebound 3% in FY21F.

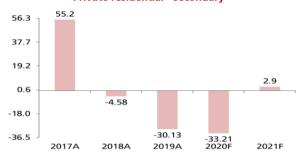
Market share is critical. In FY19, ERA's market share for the resale segment was stable at 30%+. However, its market share in the primary market was weaker at c.30%+, from c.40% previously as the group does not encourage the extension of sale and purchase agreements, which is gaining popularity of late. Even though ERA's market share improved to 34.8% in 1Q20, we continue to expect that ERA's market share in this segment will remain weak, at slightly over 30%. Market share for the HDB segment is expected to remain stable at just over 40%.

Project pipeline. To date, ERA has secured marketing agent appointments for 38 residential projects with approximately 12,300 new home units to be launched in FY20 and 1H21, of which 13 projects with close to 3,600 units were launched for sale in 1Q20. The total number of unsold private residential units stood at 32,272 as at end 2019. The vacancy rate of completed private residential units continues to trend downwards and reached 5.5% as at 31 December 2019, coming down from a high of 8.9% as at 30 June 2016. Apart from the 32,2721 unsold units (including ECs) with planning approval as at 31 December 2019, there is a potential supply of 6,050 units (including ECs) from Government Land Sales (GLS) sites and awarded en-bloc sale sites that have not been granted planning approval yet.

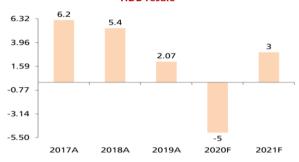
Agent strength. APAC has grown its network of agents over the years and has managed to gain market share. As at 1 January 2020, APAC has about 7,048 agents, +8.5% y-o-y, with market share of c.23%, from 15% in 2012. A larger agent force should help to generate more sales for APAC, which would in turn boost the performance of the group.



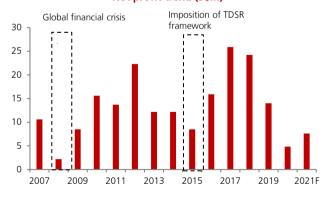
Private residential - secondary



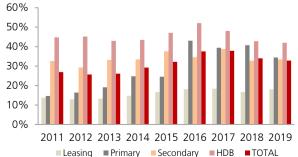
HDB resale



Net profit trend (S\$m)



ERA's market share



Source: Company, DBS Bank



Balance Sheet:

Cash-generative business. Barring any major capital expenditure, APAC is a cash-generating business with good cash conversion cycle as APAC only pays out to its agents after receiving payments from its debtors.

Intangibles, which includes goodwill and franchise rights, accounts for the bulk of total assets. Goodwill amounted to c.S\$100m as at end-December 2019, derived from ERA and Coldwell Banker. Franchise rights are held for the exclusive use of the brand names "ERA" and "Coldwell Banker". The exclusive ERA Regional master franchise rights is for an initial term of 30 years from 19 November 1999 and expires in 2029, with an option to renew for another 30 years. The ERA subfranchise rights in Singapore is for an initial term of 30 years from 28 June 1990, and expires in 2020, also with an option to renew for another 30 years.

Share Price Drivers:

We believe that APAC is largely viewed by the market as a proxy to Singapore's private and HDB residential transaction volumes and values. As such, any newsflow in relation to the Singapore residential market would have an impact on APAC's share price.

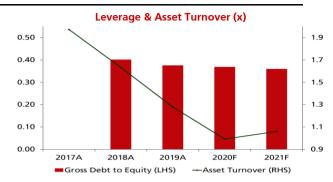
Key Risks:

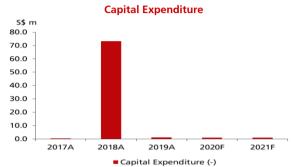
APAC is highly dependent on Singapore's residential property market and macroeconomic conditions. Any change in government policies might affect the property market, which will in turn affect APAC. For example, residential transaction volumes and values suffered a sharp decline with the 5ppts hike in Additional Buyer's Stamp Duty (ABSD) and tightening of Loan-to-Value (LTV) limits. On the supply side, the government has revised up the average development home sizes. Under the new rules, the maximum number of dwelling units per development will be lesser, which could lead to lower demand for land sites.

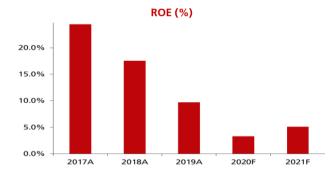
In the longer term, the real estate brokerage industry may also be disrupted by technology with increasing adoption of websites that facilitate private sales.

Company Background

APAC Realty Limited ("APAC") is one of the leading players in the real estate brokerage industry in Asia. APAC Realty operates three main business segments – the real estate brokerage services; franchise agreements; and training, valuation and other ancillary services.











Source: Company, DBS Bank





	_				
Ke۱	/ Ass	um	ntı	or	ıs

FY Dec	2017A	2018A	2019A	2020F	2021F
Transaction value growth (%)					
Private residential - primary	44.7	(5.8)	(10.8)	(33.5)	2.90
Private residential - secondary	55.2	(4.6)	(30.1)	(33.2)	2.90
HDB resale	6.20	5.40	2.07	(5.0)	3.00

Segmental Breakdown

FY Dec	2017A	2018A	2019A	2020F	2021F
Revenues (S\$m)					
Brokerage	391	413	360	271	279
Non-brokerage	9.38	10.6	9.24	9.70	10.2
	401	424	370	281	289
Gross profit (S\$m)					
Brokerage	46.6	44.5	37.3	23.8	27.9
Non-brokerage	8.3	8.3	9.1	9.6	10.1
Total	58.9	54.7	37.3	23.8	27.9
Gross profit Margins (%)					<u></u>
Brokerage	11.9	10.8	10.3	8.8	10.0
Non-brokerage	88.4	78.7	98.9	98.9	98.9
Total	13.7	12.5	12.6	11.9	13.1

Income Statement (S\$m)

FY Dec	2017A	2018A	2019A	2020F	2021F
Revenue	401	424	370	281	289
Cost of Goods Sold	(346)	(371)	(323)	(247)	(251)
Gross Profit	54.9	52.8	46.4	33.4	38.0
Other Opng (Exp)/Inc	(25.2)	(23.1)	(27.4)	(25.7)	(26.9)
Operating Profit	29.7	29.7	19.0	7.70	11.1
Other Non Opg (Exp)/Inc	0.0	0.0	0.0	0.0	0.0
Associates & JV Inc	0.01	0.0	0.0	0.0	0.0
Net Interest (Exp)/Inc	(0.3)	(0.4)	(1.8)	(1.8)	(1.8)
Exceptional Gain/(Loss)	0.0	0.0	0.0	0.0	0.0
Pre-tax Profit	29.4	29.2	17.2	5.92	9.30
Tax	(3.5)	(5.0)	(3.3)	(1.1)	(1.7)
Minority Interest	0.0	0.0	0.14	0.0	0.0
Preference Dividend	0.0	0.0	0.0	0.0	0.0
Net Profit	25.9	24.2	14.0	4.85	7.63
Net Profit before Except.	25.9	24.2	14.0	4.85	7.63
EBITDA	31.2	31.1	20.4	8.31	11.7
Growth					
Revenue Gth (%)	39.2	5.8	(12.8)	(24.0)	3.0
EBITDA Gth (%)	49.7	(0.1)	(34.3)	(59.3)	40.8
Opg Profit Gth (%)	54.7	0.0	(36.0)	(59.5)	44.0
Net Profit Gth (Pre-ex) (%)	63.1	(6.4)	(42.2)	(65.4)	57.3
Margins & Ratio					
Gross Margins (%)	13.7	12.5	12.5	11.9	13.1
Opg Profit Margin (%)	7.4	7.0	5.1	2.7	3.8
Net Profit Margin (%)	6.5	5.7	3.8	1.7	2.6
ROAE (%)	24.4	17.6	9.7	3.3	5.1
ROA (%)	12.8	9.3	4.8	1.7	2.8
ROCE (%)	21.5	13.9	5.9	1.5	2.8
Div Payout Ratio (%)	27.4	65.9	50.7	50.7	50.7
Net Interest Cover (x)	111.6	66.9	10.7	4.3	6.2

Source: Company, DBS Bank





Quarterly	v / Interim	Income Statement ((S\$m)
Qualteri	y / miteimii	micome statement (J-91111

FY Dec	4Q2018	1Q2019	2Q2019	3Q2019	4Q2019
Revenue	81.9	77.4	85.7	98.6	108
Cost of Goods Sold	(70.7)	(67.9)	(75.1)	(87.4)	(92.7)
Gross Profit	11.2	9.46	10.5	11.2	15.1
Other Oper. (Exp)/Inc	(6.1)	(6.8)	(6.0)	(6.7)	(6.8)
Operating Profit	5.11	2.66	4.49	4.52	8.35
Other Non Opg (Exp)/Inc	0.0	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	(0.4)	(0.4)	(0.5)	(0.5)	(0.4)
Exceptional Gain/(Loss)	0.0	0.0	0.0	0.0	0.0
Pre-tax Profit	4.75	2.22	4.03	4.07	7.92
Tax	(0.7)	(0.5)	(0.7)	(0.7)	(1.5)
Minority Interest	0.0	0.0	0.0	0.03	0.04
Net Profit	4.09	1.74	3.30	3.45	5.46
Net profit bef Except.	4.09	1.74	3.30	3.45	5.46
EBITDA	5.47	3.43	5.25	5.31	9.16
Growth					
Revenue Gth (%)	(28.7)	(5.4)	10.7	15.1	9.3
EBITDA Gth (%)	(36.0)	(37.4)	53.3	1.1	72.6
Opg Profit Gth (%)	(37.5)	(47.9)	68.4	0.8	84.7
Net Profit Gth (Pre-ex) (%)	(37.5)	(57.4)	89.3	4.7	58.1
Margins	, ,	, ,			
Gross Margins (%)	13.7	12.2	12.3	11.4	14.0
Opg Profit Margins (%)	6.2	3.4	5.2	4.6	7.7
Net Profit Margins (%)	5.0	2.3	3.8	3.5	5.1

Balance Sheet (S\$m)

FY Dec	2017A	2018A	2019A	2020F	2021F
Net Fixed Assets	1.22	72.8	72.8	73.3	73.8 ~
Invts in Associates & JVs	0.0	0.35	0.44	0.53	0.53
Other LT Assets	101	101	106	106	106
Cash & ST Invts	62.0	43.0	32.0	35.5	39.0
Inventory	0.0	0.0	0.0	0.0	0.0
Debtors	70.1	59.7	68.2	39.7	40.9
Other Current Assets	1.92	6.79	15.4	15.4	15.4
Total Assets	236	283	295	271	276
ST Debt	0.0	2.90	2.90	2.90	2.90
Creditor	82.0	2.90 63.5	2.90 71.9	47.2	2.90 47.9
Other Current Liab	16.4	14.8	15.6	13.3	14.0
LT Debt	0.0	54.6	51.7	51.7	51.7
Other LT Liabilities	4.49	4.29	7.55	7.55	7.55
Shareholder's Equity	133	143	7.33 146	148	152
Minority Interests	0.0	0.04	(0.1)	(0.1)	(0.1)
Total Cap. & Liab.	236	283	295	271	276
10tal Cap. & Llab.	230	203	293	2/1	2/0
Non-Cash Wkg. Capital	(26.5)	(11.8)	(3.9)	(5.4)	(5.6)
Net Cash/(Debt)	62.0	(14.5)	(22.6)	(19.1)	(15.6)
Debtors Turn (avg days)	53.7	55.8	63.2	70.2	50.9
Creditors Turn (avg days)	73.0	71.8	76.8	88.1	69.3
Inventory Turn (avg days)	N/A	N/A	N/A	N/A	N/A
Asset Turnover (x)	2.0	1.6	1.3	1.0	1.1
Current Ratio (x)	1.4	1.3	1.3	1.4	1.5
Quick Ratio (x)	1.3	1.3	1.1	1.2	1.2
Net Debt/Equity (X)	CASH	0.1	0.2	0.1	0.1
Net Debt/Equity ex MI (X)	CASH	0.1	0.2	0.1	0.1
Capex to Debt (%)	N/A	127.2	2.3	1.8	1.8
Z-Score (X)	2.5	2.9	2.5	2.7	2.7

Source: Company, DBS Bank

Acquisition of commercial building



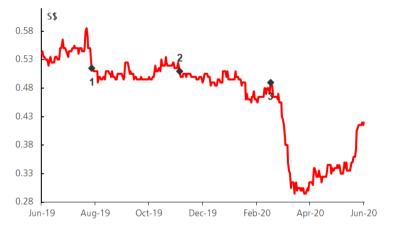


Cash Flow Statement (S\$m)

FY Dec	2017A	2018A	2019A	2020F	2021F
D. T. D. Sit	20.4	20.2	17.2	F 03	0.20
Pre-Tax Profit	29.4	29.2	17.2	5.92	9.30
Dep. & Amort.	1.44	1.44	1.44	0.62	0.62
Tax Paid	(3.2)	(5.0)	(5.3)	(3.3)	(1.1)
Assoc. & JV Inc/(loss)	0.0	0.0	0.0	0.0	0.0
Chg in Wkg.Cap.	4.16	(16.1)	(0.4)	3.82	(0.4)
Other Operating CF	2.80	1.69	3.98	0.0	0.0
Net Operating CF	34.6	11.3	17.0	7.01	8.41
Capital Exp.(net)	(0.5)	(73.2) —	(1.2)	(1.0)	(1.0)
Other Invts.(net)	0.0	0.0	0.0	0.0	0.0
Invts in Assoc. & JV	(0.2)	(0.4)	(0.1)	(0.1)	0.0
Div from Assoc & JV	0.0	0.0	0.0	0.0	0.0
Other Investing CF	0.0	0.0	(10.3)	0.0	0.0
Net Investing CF	(0.7)	(73.5)	(11.7)	(1.1)	(1.0)
Div Paid	0.0	(14.2)	(11.5)	(2.5)	(3.9)
Chg in Gross Debt	(18.0)	57.5	(4.8)	0.0	0.0
Capital Issues	28.2	0.0	0.0	0.0	0.0
Other Financing CF	0.0	0.0	0.0	0.0	0.0
Net Financing CF	10.2	43.3	(16.3)	(2.5)	(3.9)
Currency Adjustments	0.0	0.0	0.0	0.0	0.0
Chg in Cash	44.2	(19.0)	(11.0)	3.46	3.54
Opg CFPS (S cts)	8.58	7.71	4.88	0.90	2.49
Free CFPS (S cts)	9.62	(17.4)	4.43	1.69	2.09

Source: Company, DBS Bank

Target Price & Ratings History



S.No.	Date of Report	Closing Price	12-mth Target Price	Rating
1:	06 Aug 19	0.52	0.48	HOLD
2:	14 Nov 19	0.51	0.46	HOLD
3:	25 Feb 20	0.49	0.52	HOLD

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

Source: DBS Bank Analyst: Lee Keng LING



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: 11 Jun 2020 07:51:28 (SGT) Dissemination Date: 11 Jun 2020 08:01:11 (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, 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 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.

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 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 this research report or his associate does not have financial interests² 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 is handled appropriately. There is no direct link of DBS Group's compensation to any specific 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 May 2020.
- 2. Neither DBS Bank Ltd nor DBS HK market makes in equity securities of the issuer(s) or company(ies) mentioned in this Research Report.

Compensation for investment banking services:

3. 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:

4. 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 in the first page 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.

¹ 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.

² 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

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.
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.
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.
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, 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
This report is being distributed in Indonesia by PT DBS Vickers Sekuritas Indonesia.
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.
God Company of the Co
Wong Ming Tek, Executive Director, ADBSR
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 6327 2288 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.
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	This research report is being distributed by DBS Bank Ltd., (DIFC Branch) having its office at units 608 - 610, 6 th Floor, Gate Precinct Building 5, PO Box 506538, DIFC, Dubai, United Arab Emirates. DBS Bank Ltd., (DIFC Branch) is regulated by The Dubai Financial Services Authority. This research report is intended only for professional clients (as defined in the DFSA rulebook) and no other person may act upon it.
United Arab Emirates	This report is provided by DBS Bank Ltd (Company Regn. No. 196800306E) which is an Exempt Financial Adviser as defined in the Financial Advisers Act and regulated by the Monetary Authority of Singapore. This report is for information purposes only and should not be relied upon or acted on by the recipient or considered as a solicitation or inducement to buy or sell any financial product. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situation, or needs of individual clients. You should contact your relationship manager or investment adviser if you need advice on the merits of buying, selling or holding a particular investment. You should note that the information in this report may be out of date and it is not represented or warranted to be accurate, timely or complete. This report or any portion thereof may not be reprinted, sold or redistributed without our written consent.
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

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

MALAYSIA

AllianceDBS Research Sdn Bhd

Contact: Wong Ming Tek (128540 U) 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

SINGAPORE DBS Bank Ltd

Contact: Janice Chua 12 Marina Boulevard, Marina Bay Financial Centre Tower 3 Singapore 018982

Tel: 65 6878 8888 Fax: 65 65353 418

e-mail: equityresearch@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