

# Tongcheng-Elong (780 HK)

## Moving into 2021 recovery

We expect Tongcheng-Elong ("TC") to deliver 4Q20E revenue/ adj. net profit of -8%/-13% YoY, 2%/3% below consensus. As stated in our previous report, TC's recovery pace slowed down amid China's new COVID-19 wave since mid-Nov. We think the market has also well anticipated 1Q21E drag by epidemic uncertainty, and we suggest to move into 2021 recovery. We cut our earnings forecast by 4%/20%/13% in FY20/21/22E to factor in conservative 4Q20E & 1Q21E, but raised our TP to HK\$21.0 by rolling over to FY22E multiple (18x FY22E P/E).

- Look beyond soft 4Q20 & 1Q21E.** We expect TC to deliver soft 4Q20E, with revenue/ adj. net profit -8%/-13% YoY, 2%/3% below consensus. By segment, we expect hotel rev up 2% YoY in 4Q20E (in line with guidance of +2% to 7% YoY), in which hotel room night is estimated to grow 20% YoY while take rate will remain solid at 9%. ADR would still decline in 4Q20E (forecasting -20% YoY). Lower-tier cities would recover faster, with room nights up over 50% YoY in 4Q20E. Transportation would suffer more amid the recurrence of COVID-19, and we expect its rev down 15% YoY. We forecast TC's bottom line at RMB287mn in 4Q20E, with adj. net margin at 16% (-1ppt YoY), mainly for heavier S&M. 1Q21E might still see pressure, as government ramped up COVID-19 restrictions (e.g. "stay-in-cities" advice in CNY). Hotel would be more resilient for rising short-distance travel, while transportation recovery might be partly disrupted. We think soft 4Q20 & 1Q21E have been well priced in, and suggest to move into 2021 momentum, with faster-than-expected vaccine progress ahead.
- Prioritizing MPU and hotel growth in 2021.** Despite moderate transportation, mgmt. put priority on domestic hotel recovery in 2021, and we forecast domestic room nights +40%, vs. FY19. TC would also focus more on user acquisition, through: 1) offline promotions, e.g. QR code and bus ticketing; and 2) branding, e.g. sponsorship for hot variety shows and dramas. It targets APU at 200mn in FY21E (+30%, vs. FY19), with S&M/rev ratio down 3-4ppts. Therefore, we forecast adj. net margin to be slightly lower in FY21E than in FY19, and it would pick up to 20% in FY22E.
- Maintain BUY.** We cut our earnings forecast by 4%/20%/13% in FY20/21/22E to factor in epidemic impact, but raised our TP to HK\$21.0 by rolling over to FY22E multiple. Valuation at 15x FY22E P/E is attractive. Vaccine progress and faster domestic recovery could be further catalysts.

### Earnings Summary

(YE 31 Dec)	FY19A	FY20E	FY21E	FY22E
Revenue (RMB mn)	7,393	5,929	8,569	10,667
YoY growth (%)	NA	(19.8)	44.5	24.5
Adj. net income (RMB mn)	1,544	934	1,518	2,137
Adj. EPS (RMB)	0.70	0.42	0.68	0.96
YoY growth (%)	68.6	(39.5)	62.5	40.8
Consensus EPS (RMB)	NA	0.45	0.78	1.02
P/E (x)	20.7	34.2	21.0	14.9
P/B (x)	2.8	2.7	2.6	2.4
Yield (%)	0.0	0.0	0.0	0.0
ROE (%)	5.6	3.5	4.9	8.9
Net gearing (%)	Net cash	Net cash	Net cash	Net cash

Source: Company data, Bloomberg, CMBIS estimates

**BUY (Maintain)**

Target Price	HK\$21.0
(Previous TP	HK\$19.0)
Up/Downside	+20.7%
Current Price	HK\$17.3

### China Internet Sector

**Sophie Huang**  
 (852) 3900 0889  
 sophiehuang@cmbi.com.hk

**Miriam Lu**  
 (852) 3761 8728  
 miriamlu@cmbi.com.hk

Stock Data	
Mkt Cap (HK\$ mn)	38,006
Avg 3 mths t/o (HK\$ mn)	135.22
52w High/Low (HK\$)	19.20/ 8.74
Total Issued Shares (mn)	2,182

Source: Bloomberg

### Shareholding Structure

Tencent	21.8%
Trip.com	21.3%
Suzhou Industrial Park	6.9%

Source: Bloomberg

### Share Performance

	Absolute	Relative
1-mth	26.7%	24.3%
3-mth	22.5%	10.5%
6-mth	15.2%	-1.5%

Source: Bloomberg

### 12-mth Price Performance



Source: Bloomberg

### Auditor: PwC

### Related Reports

1. NDR takeaways: 2021 Priority on MPU and hotel – 7 Dec 2020
2. Solid recovery; Moving into 2021 outlook – 24 Nov 2020
3. Earnings intact despite mixed 3Q guidance – 31 Aug 2020

**Figure 1: 4Q20E financial preview**

RMB mn	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20E	QoQ	YoY	Consensus	Diff %
Revenue	1,783	1,591	2,062	1,956	1,005	1,200	1,915	1,810	-5.5%	-7.5%	1,842	-2%
Operating Profit	187	218	347	107	(53)	49	293	255	-12.9%	139.3%	159	61%
Net profit	97	199	294	97	(56)	55	248	216	-12.9%	121.9%	134	61%
Adj. net profit	448	346	419	331	78	196	373	287	-22.9%	-13.3%	295	-3%
<b>Margin (%)</b>												
Gross Margin	72.1%	64.7%	66.9%	70.6%	65.0%	72.3%	72.0%	71.0%			71.3%	
Operating Margin	10.5%	13.7%	16.8%	5.5%	-5.2%	4.1%	15.3%	14.1%			8.6%	
Adj. net margin	25.1%	21.7%	20.3%	16.9%	7.8%	16.3%	19.5%	15.9%			16.0%	
<b>Growth (%)</b>												
Revenue (YoY)	17.5%	21.0%	22.3%	24.4%	-43.6%	-24.6%	-7.2%	-7.5%			-5.9%	
Revenue (QoQ)	13.4%	-10.8%	29.6%	-5.1%	-48.6%	19.4%	59.5%	-5.5%			-3.8%	
Operating Profit	NA	242.9%	232.2%	201.7%	-128.1%	-77.5%	-15.6%	139.3%			48.6%	
Adj. net profit	8.7%	60.0%	33.2%	67.7%	-82.6%	-43.2%	-11.1%	-13.3%			-11.0%	

Source: Company data, Bloomberg, CMBIS estimates

**Figure 2: Revenue breakdown**

RMB mn	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20E	QoQ	YoY
<b>Total revenue</b>	<b>1,783</b>	<b>1,591</b>	<b>2,062</b>	<b>1,956</b>	<b>1,005</b>	<b>1,200</b>	<b>1,915</b>	<b>1,810</b>	<b>-5%</b>	<b>-8%</b>
Accommodation reservation	489	553	694	622	229	384	685	635	-7%	2%
Transportation ticketing	1,259	937	1,140	1,182	687	726	1,055	1,007	-5%	-15%
Others	35	100	229	153	89	90	175	168	-4%	10%

Source: Company data, CMBIS estimates

**Figure 3: CMBIS estimates vs consensus**

RMB mn, Dec-YE	CMBIS			Consensus			Diff (%)		
	FY20E	FY21E	FY22E	FY20E	FY21E	FY22E	FY20E	FY21E	FY22E
Revenue	5,929	8,569	10,667	5,996	8,787	10,803	-1.1%	-2.5%	-1.3%
Gross Profit	4,143	6,077	7,628	4,241	6,191	7,650	-2.3%	-1.8%	-0.3%
Operating Profit	545	817	1,583	499	1,161	1,838	9.3%	-29.6%	-13.9%
Adj. net profit	934	1,518	2,137	962	1,689	2,260	-2.9%	-10.1%	-5.4%
Adj. EPS (RMB)	0.42	0.68	0.96	0.45	0.78	1.02	-5.3%	-12.2%	-5.9%
Gross Margin	69.9%	70.9%	71.5%	70.7%	70.4%	70.8%	-0.8ppcts	+0.5ppcts	+0.7ppcts
Operating Margin	9.2%	9.5%	14.8%	8.3%	13.2%	17.0%	+0.9ppcts	-3.7ppcts	-2.2ppcts
Adj. net margin	15.7%	17.7%	20.0%	16.0%	19.2%	20.9%	-0.3ppcts	-1.5ppcts	-0.9ppcts

Source: CMBIS estimates, Bloomberg

**Figure 4: Earnings revision**

RMB mn, Dec-YE	New			Old			Diff (%)		
	FY20E	FY21E	FY22E	FY20E	FY21E	FY22E	FY20E	FY21E	FY22E
Revenue	5,929	8,569	10,667	6,038	9,248	10,926	-1.8%	-7.3%	-2.4%
Gross Profit	4,143	6,077	7,628	4,222	6,549	7,778	-1.9%	-7.2%	-1.9%
Operating Profit	545	817	1,583	588	1,273	1,959	-7.4%	-35.8%	-19.2%
Adj. net profit	934	1,518	2,137	970	1,896	2,449	-3.7%	-20.0%	-12.7%
Adj. EPS (RMB)	0.42	0.68	0.96	0.47	0.91	1.18	-9.8%	-25.0%	-18.2%
Gross Margin	69.9%	70.9%	71.5%	69.9%	70.8%	71.2%	-0.0ppcts	+0.1ppcts	+0.3ppcts
Operating Margin	9.2%	9.5%	14.8%	9.7%	13.8%	17.9%	-0.6ppcts	-4.2ppcts	-3.1ppcts
Adj. net margin	15.7%	17.7%	20.0%	16.1%	20.5%	22.4%	-0.3ppcts	-2.8ppcts	-2.4ppcts

Source: CMBIS estimates

**Figure 5: peer comparison**

Company	Ticker	Mkt cap (USD mn)	Currency	Price	PE			PS			EV/EBITDA			EPS CAGR
					FY21E	FY22E	FY23E	FY21E	FY22E	FY23E	FY21E	FY22E	FY23E	
Tencent	700 HK	863,313	HKD	698	36.1	29.8	23.3	9.4	7.8	6.5	25.9	21.3	17.3	23%
Alibaba	BABA US	654,254	USD	242	20.2	16.3	13.8	4.6	3.9	3.2	15.0	12.0	10.0	20%
Meituan	3690 HK	275,087	HKD	362	288.7	88.4	55.7	10.2	7.4	6.0	197.6	66.5	35.9	115%
Average					115.0	44.8	31.0	8.1	6.4	5.2	79.5	33.3	21.1	52%
<b>OTA</b>														
<b>TC</b>	<b>780 HK</b>	<b>4,877</b>	<b>HKD</b>	<b>17</b>	<b>21.0</b>	<b>14.9</b>	<b>11.8</b>	<b>3.6</b>	<b>2.9</b>	<b>2.6</b>	<b>12.5</b>	<b>9.4</b>	<b>7.1</b>	<b>52%</b>
Ctrip	TCOM US	23,580	USD	40	61.1	25.4	19.7	5.9	4.1	3.5	59.4	23.3	15.6	NA
Tuniu	TOUR US	503	USD	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Booking	BKNG US	95,052	USD	2,321	57.8	25.1	19.1	10.1	6.7	5.6	34.5	17.5	14.0	74%
Expedia	EXPE US	23,197	USD	161	NA	29.2	18.1	3.1	2.2	1.9	31.1	14.6	10.9	NA
Webjet	WEB AU	1,477	AUD	6	NA	55.4	19.1	28.5	7.1	4.8	NA	23.0	11.5	NA
TripAdvisor	TRIP US	6,654	USD	49	340.3	38.0	26.4	7.5	5.1	4.3	45.9	18.8	14.6	259%
Average					120.1	31.3	19.0	9.8	4.7	3.8	36.7	17.8	12.3	128%
<b>Travel agency</b>														
UTour	002707 CH	913	CNY	6.5	89.3	50.2	NA	1.0	0.5	NA	58.1	18.7	NA	NA
Tempus Global	300178 CH	331	CNY	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zhangjiajie Tourism	000430 CH	339	CNY	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Changbai Mountain	603099 CH	333	CNY	8.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Average					89.3	50.2	NA	1.0	0.5	NA	58.1	18.7	NA	NA
<b>Total Average</b>					<b>47.6</b>	<b>28.6</b>	<b>18.9</b>	<b>8.9</b>	<b>5.0</b>	<b>4.5</b>	<b>58.4</b>	<b>24.0</b>	<b>16.2</b>	<b>154%</b>

Source: Company data, Bloomberg, CMBIS estimates

## Financial Summary

### Income statement

YE 31 Dec (RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E
Revenue	5,256	7,393	5,929	8,569	10,667
Accommodation reservation	1,830	2,358	1,933	3,021	4,122
Transportation ticketing	3,233	4,518	3,474	4,981	5,751
Others	193	517	522	568	795
COGS	(1,601)	(2,318)	(1,786)	(2,493)	(3,039)
R&D	(1,350)	(1,519)	(1,233)	(1,697)	(2,005)
S&M	(1,841)	(2,246)	(1,912)	(2,925)	(3,253)
Administrative expenses	(935)	(625)	(453)	(638)	(786)
Fair value change	79	106	0	0	0
Other income	33	89	0	0	0
Other gains/(losses).net	48	(20)	0	0	0
<b>Operating profit</b>	<b>(31)</b>	<b>860</b>	<b>545</b>	<b>817</b>	<b>1,583</b>
Finance income	10	35	13	13	13
Other income, net	903	(13)	0	0	0
<b>Pre-tax profit</b>	<b>602</b>	<b>882</b>	<b>558</b>	<b>830</b>	<b>1,596</b>
Income tax	(67)	(195)	(95)	(141)	(271)
Less: Minority interests	(5)	2	0	0	0
Net profit	530	688	463	689	1,325
<b>Adj. net profit</b>	<b>916</b>	<b>1,544</b>	<b>934</b>	<b>1,518</b>	<b>2,137</b>

### Cash flow summary

YE 31 Dec (RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E
Profit before tax	602	882	558	830	1,596
D&A		297	335	379	384
Change in working capital	2,024	(212)	(576)	901	704
Others	(629)	497	(190)	76	(202)
<b>Net cash from operating</b>	<b>2,361</b>	<b>1,696</b>	<b>265</b>	<b>2,331</b>	<b>2,759</b>
Capex & investments	(338)	(200)	(200)	(200)	(200)
ST investments payments	(2,246)	(2,148)	0	0	0
ST investments proceeds	0	0	0	0	0
Other	1,183	(607)	(120)	0	0
<b>Net cash from investing</b>	<b>(1,400)</b>	<b>(2,955)</b>	<b>(320)</b>	<b>(200)</b>	<b>(200)</b>
Equity raised	1,240	0	0	0	0
Change of debts	(20)	68	0	0	0
Others	260	305	0	0	0
<b>Net cash from financing</b>	<b>1,481</b>	<b>373</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Net change in cash</b>	<b>2,441</b>	<b>(886)</b>	<b>(55)</b>	<b>2,131</b>	<b>2,559</b>
Exchange difference	1	13	0	0	0
Cash at the beginning of the year	702	3,144	2,271	2,216	4,347
<b>Cash at the end of the year</b>	<b>3,144</b>	<b>2,271</b>	<b>2,216</b>	<b>4,347</b>	<b>6,906</b>
Cash at balance sheet	3,144	2,271	2,216	4,347	6,906

### Balance sheet

YE 31 Dec (RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E
<b>Non-current assets</b>	<b>9,294</b>	<b>9,792</b>	<b>9,384</b>	<b>9,221</b>	<b>9,238</b>
PP&E	934	1,102	1,193	1,280	1,280
Investments	101	329	329	329	329
Land use right	16	0	16	16	16
Intangible assets	7,962	7,860	7,590	7,320	7,320
Deferred income tax assets	250	201	201	201	201
Prepayment & other receivables	31	7	54	75	91
<b>Current assets</b>	<b>7,497</b>	<b>9,691</b>	<b>8,589</b>	<b>11,364</b>	<b>14,429</b>
Account receivable	1,381	2,666	1,515	2,158	2,664
Short-term investments	2,831	4,541	4,645	4,645	4,645
Restricted cash	141	213	213	213	213
Cash and cash equivalent	3,144	2,271	2,216	4,347	6,906
<b>Current liabilities</b>	<b>4,534</b>	<b>5,606</b>	<b>3,924</b>	<b>5,489</b>	<b>6,716</b>
Borrowings	20	107	107	107	107
Trade payables	2,569	3,429	2,501	3,490	4,255
Other payables and accruals	1,815	2,035	1,275	1,842	2,293
Current income taxes liabilities	131	35	42	50	60
<b>Non-current liabilities</b>	<b>729</b>	<b>726</b>	<b>726</b>	<b>726</b>	<b>726</b>
Borrowings	153	133	133	133	133
Deferred income tax liabilities	570	568	568	568	568
Other payables and accruals	7	25	25	25	25
<b>Total net assets</b>	<b>11,528</b>	<b>13,152</b>	<b>13,615</b>	<b>14,304</b>	<b>15,629</b>
Non-controlling interest	(8)	(5)	(5)	(5)	(5)
<b>Total equity</b>	<b>11,535</b>	<b>13,156</b>	<b>13,619</b>	<b>14,308</b>	<b>15,633</b>

Source: Company data, CMBIS estimates

### Key ratios

YE 31 Dec	FY18A	FY19A	FY20E	FY21E	FY22E
<b>Sales mix (%)</b>					
Accommodation reservation	34.8	31.9	32.6	35.2	38.6
Transportation ticketing	61.5	61.1	58.6	58.1	53.9
Others	3.7	7.0	8.8	6.6	7.4
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>P&amp;L ratios (%)</b>					
Gross Margin	69.5	68.6	69.9	70.9	71.5
PreTax Margin	11.4	11.9	9.4	9.7	15.0
Tax Rate	10.0	17.0	17.0	17.0	17.0
Adj. net margin	17.4	20.9	15.7	17.7	20.0
<b>Balance sheet ratios</b>					
Current ratio (x)	1.7	1.7	2.2	2.1	2.1
Debtors turnover days	67.8	49.0	54.8	54.8	54.8
Creditors turnover days	683.9	466.9	2093.6	1134.1	511.0
Inventory turnover days	0.0	0.0	0.0	0.0	0.0
Net debt / equity ratio (%)	Net cash				
<b>Returns (%)</b>					
ROE	13.9	5.6	3.5	4.9	8.9
ROA	4.8	3.8	2.5	3.6	6.0
<b>Per share data</b>					
Adj. EPS (RMB)	0.4	0.7	0.4	0.7	1.0
DPS (RMB)	0.0	0.0	0.0	0.0	0.0
BVPS (RMB)	5.2	5.9	6.1	6.5	7.1

# Disclosures & Disclaimers

## Analyst Certification

The research analyst who is primary responsible for the content of this research report, in whole or in part, certifies that with respect to the securities or issuer that the analyst covered in this report: (1) all of the views expressed accurately reflect his or her personal views about the subject securities or issuer; and (2) no part of his or her compensation was, is, or will be, directly or indirectly, related to the specific views expressed by that analyst in this report.

Besides, the analyst confirms that neither the analyst nor his/her associates (as defined in the code of conduct issued by The Hong Kong Securities and Futures Commission) (1) have dealt in or traded in the stock(s) covered in this research report within 30 calendar days prior to the date of issue of this report; (2) will deal in or trade in the stock(s) covered in this research report 3 business days after the date of issue of this report; (3) serve as an officer of any of the Hong Kong listed companies covered in this report; and (4) have any financial interests in the Hong Kong listed companies covered in this report.

## CMBIS Ratings

BUY	: Stock with potential return of over 15% over next 12 months
HOLD	: Stock with potential return of +15% to -10% over next 12 months
SELL	: Stock with potential loss of over 10% over next 12 months
NOT RATED	: Stock is not rated by CMBIS
OUTPERFORM	: Industry expected to outperform the relevant broad market benchmark over next 12 months
MARKET-PERFORM	: Industry expected to perform in-line with the relevant broad market benchmark over next 12 months
UNDERPERFORM	: Industry expected to underperform the relevant broad market benchmark over next 12 months

## CMB International Securities Limited

Address: 45/F, Champion Tower, 3 Garden Road, Hong Kong, Tel: (852) 3900 0888 Fax: (852) 3900 0800

CMB International Securities Limited ("CMBIS") is a wholly owned subsidiary of CMB International Capital Corporation Limited (a wholly owned subsidiary of China Merchants Bank)

## Important Disclosures

There are risks involved in transacting in any securities. The information contained in this report may not be suitable for the purposes of all investors. CMBIS does not provide individually tailored investment advice. This report has been prepared without regard to the individual investment objectives, financial position or special requirements. Past performance has no indication of future performance, and actual events may differ materially from that which is contained in the report. The value of, and returns from, any investments are uncertain and are not guaranteed and may fluctuate as a result of their dependence on the performance of underlying assets or other variable market factors. CMBIS recommends that investors should independently evaluate particular investments and strategies, and encourages investors to consult with a professional financial advisor in order to make their own investment decisions.

This report or any information contained herein, have been prepared by the CMBIS, solely for the purpose of supplying information to the clients of CMBIS or its affiliate(s) to whom it is distributed. This report is not and should not be construed as an offer or solicitation to buy or sell any security or any interest in securities or enter into any transaction. Neither CMBIS nor any of its affiliates, shareholders, agents, consultants, directors, officers or employees shall be liable for any loss, damage or expense whatsoever, whether direct or consequential, incurred in relying on the information contained in this report. Anyone making use of the information contained in this report does so entirely at their own risk.

The information and contents contained in this report are based on the analyses and interpretations of information believed to be publicly available and reliable. CMBIS has exerted every effort in its capacity to ensure, but not to guarantee, their accuracy, completeness, timeliness or correctness. CMBIS provides the information, advices and forecasts on an "AS IS" basis. The information and contents are subject to change without notice. CMBIS may issue other publications having information and/ or conclusions different from this report. These publications reflect different assumption, point-of-view and analytical methods when compiling. CMBIS may make investment decisions or take proprietary positions that are inconsistent with the recommendations or views in this report.

CMBIS may have a position, make markets or act as principal or engage in transactions in securities of companies referred to in this report for itself and/or on behalf of its clients from time to time. Investors should assume that CMBIS does or seeks to have investment banking or other business relationships with the companies in this report. As a result, recipients should be aware that CMBIS may have a conflict of interest that could affect the objectivity of this report and CMBIS will not assume any responsibility in respect thereof. This report is for the use of intended recipients only and this publication, may not be reproduced, reprinted, sold, redistributed or published in whole or in part for any purpose without prior written consent of CMBIS.

Additional information on recommended securities is available upon request.

### For recipients of this document in the United Kingdom

This report has been provided only to persons (I) falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended from time to time) ("The Order") or (II) are persons falling within Article 49(2) (a) to (d) ("High Net Worth Companies, Unincorporated Associations, etc.,) of the Order, and may not be provided to any other person without the prior written consent of CMBIS.

### For recipients of this document in the United States

CMBIS is not a registered broker-dealer in the United States. As a result, CMBIS is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. The research analyst who is primary responsible for the content of this research report is not registered or qualified as a research analyst with the Financial Industry Regulatory Authority ("FINRA"). The analyst is not subject to applicable restrictions under FINRA Rules intended to ensure that the analyst is not affected by potential conflicts of interest that could bear upon the reliability of the research report. This report is intended for distribution in the United States solely to "major US institutional investors", as defined in Rule 15a-6 under the US, Securities Exchange Act of 1934, as amended, and may not be furnished to any other person in the United States. Each major US institutional investor that receives a copy of this report by its acceptance hereof represents and agrees that it shall not distribute or provide this report to any other person. Any U.S. recipient of this report wishing to effect any transaction to buy or sell securities based on the information provided in this report should do so only through a U.S.-registered broker-dealer.

### For recipients of this document in Singapore

This report is distributed in Singapore by CMBI (Singapore) Pte. Limited (CMBISG) (Company Regn. No. 201731928D), an Exempt Financial Adviser as defined in the Financial Advisers Act (Cap. 110) of Singapore and regulated by the Monetary Authority of Singapore. CMBISG 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, as defined in the Securities and Futures Act (Cap. 289) of Singapore, CMBISG accepts legal responsibility for the contents of the report to such persons only to the extent required by law. Singapore recipients should contact CMBISG at +65 6350 4400 for matters arising from, or in connection with the report.