

Ke Holdings (BEKE US)

Solid market share gains amid uncertain environment

Beike reported (12 Aug) 2Q24 results: revenue increased 20% YoY to RMB23.4bn, and was 9% ahead of both our forecast and Bloomberg consensus estimates, thanks to a beat on GTV of both new home transactions (NHT) and existing home transactions (EHT), and stronger-than-expected expansion of NHT aided by strong industry demand. Non-GAAP net income was RMB2.7bn, 48% better than both our estimate and consensus, thanks to a beat on revenue and more optimized-than-expected operating expense spend. We remain constructive on Beike's market share gains for its core business aided by its well-established infrastructure and nimble business operation capability, and are positive on its new business development prospect. Our SOTP-based target price is fine-tuned to US\$21.5 (was US\$22.0), including US\$20.6 for Beike Core and US\$0.9 for Shengdu, translating into 20.8x 2024E PE (non-GAAP). BUY.

- 2Q results demonstrated solid market share gains and the trend is likely to sustain in 3Q. Beike's 2Q results demonstrated strong market share gains in both EHT and NHT markets: 1) in the four first-tier cities, the total number of online registrations for EHT grew 16% YoY in 2Q24, per housing bureau data, as compared to 40% on Beike's platform; 2) NHT GTV on Beike's platform declined by 20% YoY, as compared to a decline of 35% YoY for the whole industry. In addition, for NHT, the reduction in account receivables days to 45 days in 2Q (from 69 days in 1Q), increase in take rate to 3.4% (from an already high level of 3.2% in 1Q), and a relative stable percentage of GTV generated from Kuaiyong Program (which requires counterparty to pay commissions in advance) all speak to Beike's strong bargaining power, in our view. We expect market share gains for both Beike's EHT and NHT businesses to sustain in 3Q, mainly due to: 1) strong industry destocking demand from developers; and 2) Beike's well established agency cooperation network and enhanced operating efficiency.
- Home renovation: business development target shifted from pure scale growth to a focus on margin expansion as well. In 2Q24, Beike generated RMB4.0bn of revenue in home renovation and furnishing business, up 54% YoY. Management noted that the KPI for home renovation business is shifting from rapid scale expansion to gross margin expansion in 2024, and contribution margin for the business has improved to 31% in 2Q24 (2Q23: 29%). Driven by more refined operation, we expect loss margin of home renovation and furnishing business to improve from -10% in 2023 to -4% in 2024 (previous forecast: -5%), while maintaining 44% YoY revenue growth forecast in 2024E.
- Management remains committed to enhancing shareholder return. Management highlighted that it has in aggregate repurchased shares with a total consideration of c.US\$480mn YTD in 2024, which accounted for approximately 2.75% of Beike's total issued shares at the end of 2023. Beike has upsized and extended the existing share repurchase program to 31 Aug 2025, with the repurchase authorization being increased to US\$3bn (was US\$2bn), and Beike maintains its target of 6-7% shareholder return per annum on a repurchase and dividend combined basis in 2024.
- Property market outlook: Amid the typical summer sales lull in Jul and Aug, sales momentum has decelerated post June's peak. Daily avg. transaction volume for new homes in 30 major cities recorded -24%/-19% MoM change in July/MTD in Aug (as of Aug 11). For secondary market, daily avg. sales volume

BUY (Maintain)

 Target Price
 U\$\$21.50

 (Previous TP
 U\$\$22.00)

 Up/Downside
 53.2%

 Current Price
 U\$\$14.03

China Internet

Saiyi HE, CFA (852) 3916 1739 hesaiyi@cmbi.com.hk

Ye TAO

franktao@cmbi.com.hk

Miao ZHANG

(852) 3761 8910 zhangmiao@cmbi.com.hk

Wentao LU, CFA

luwentao@cmbi.com.hk

Bella LI

bellali@cmbi.com.hk

Stock Data

Mkt Cap (US\$ mn)	16,598.1
Avg 3 mths t/o (US\$ mn)	39.7
52w High/Low (US\$)	19.47/12.51
Total Issued Shares (mn)	1183.0

Source: FactSet

Shareholding Structure

Propitious Global	23.3%
Tencent Mobility	10.0%
Source: HKEy	

Share Performance

_	Absolute	Relative
1-mth	-7.5%	1.7%
3-mth	-17.1%	-19.1%
6-mth	4.9%	0.1%

Source: FactSe

12-mth Price Performance



Source: FactSet



in 17 cities booked +4%/-21% in July/MTD in Aug. In terms of YTD performance, new home sales and second-hand home sales declined 35% and 4% YoY, respectively. Our leading indicator shows a narrowed reduction in property-related searches in Jul, suggesting a narrowed new home sales decline in Aug. Considering 1) Our leading indicator suggests a narrowed sales decline in Aug, the anticipated increase in new project launches in Sep and Oct, and the promotional season in Nov and Dec in new home market, and 2) the rising listing number, the ongoing price-for-volume dynamic, as well as the lower base in 2H24 for secondary market, we maintain our full-year forecasts of a -20%/+1% YoY change in primary/secondary sales value for the industry in 2024E.

Earnings Summary

(YE 31 Dec)	FY22A	FY23A	FY24E	FY25E	FY26E
Revenue (RMB mn)	60,669	77,777	90,731	100,125	111,213
YoY growth (%)	(24.9)	28.2	16.7	10.4	11.1
Net profit (RMB mn)	(1,386.1)	8,132.1	6,083.5	7,425.5	8,703.8
Adjusted net profit (RMB mn)	2,842.8	12,047.4	8,967.6	9,840.2	11,140.1
Adj. NP (RMBmn; consensus)			8,741.8	10,228.3	11,614.2
EPS (Adjusted) (RMB)	2.39	10.26	7.64	8.38	9.49
ROE (%)	(2.0)	11.5	7.5	7.8	8.3

Source: Company data, Bloomberg, CMBIGM estimates



Figure 1: Beike: quarterly financial results

(RMBbn)	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24E	2Q24E Consensus	Diff%
GTV	972	781	655	736	630	839	776	8.2%
Growth (YoY%)	66%	22%	-11%	14%	-35%	7%		
Existing home transactions	664	457	439	468	453	571	525	8.7%
Growth (YoY%)	78%	16%	-2%	30%	-32%	25%		
New home transactions	278	295	192	238	152	235	226	4.0%
Growth (YoY%)	44%	32%	-27%	-10%	-45%	-20%		
(%)								
Blended monetization rate								
Existing home transactions (revenue/GTV)	1.4	1.4	1.4	1.3	1.3	1.3	1.3	0.0 ppt
New home transactions (revenue/GTV)	3.0	2.9	3.1	3.2	3.2	3.4	3.2	0.1 ppt
(RMBbn)								
Revenue	20.3	19.5	17.8	20.2	16.4	23.4	21.5	8.5%
Growth (YoY%)	62	41	1	21	(19)	20		
Existing home transactions	9.2	6.4	6.3	6.0	5.7	7.3	6.9	6.9%
Growth (YoY%)	49	16	(12)	15	(38)	14		
New home transactions	8.4	8.7	5.9	7.6	4.9	7.9	7.3	8.3%
Growth (YoY%) Emerging and other services -	42	30	(24)	(9)	(41)	(9)		
old disclosure	2.7	4.4	5.6	6.6	5.7	8.1	7.3	10.2%
Growth (YoY%)	454	177	112	107	113	85		
Gross profit	6.3	5.3	4.9	5.1	4.1	6.5	5.5	18.9%
Operating profit	3.0	1.1	0.9	-0.2	0.0	2.0	0.9	112.7%
Contribution profit	7.5	6.5	6.1	6.4	5.2	7.7		
Non-GAAP net profit	3.6	2.4	2.1	1.7	1.4	2.7	1.8	48.3%
(%)								
Gross margin	31.3	27.4	27.4	25.5	25.2	27.9	25.5	2.4 ppt
Operating profit margin	14.7	5.5	5.1	-0.9	0.1	8.6	4.4	4.2 ppt
Contribution profit margin	36.8	33.4	34.2	31.8	31.7	33.0		
Non-GAAP net profit margin	17.6	12.1	12.1	8.5	8.5	11.5	8.4	3.1 ppt

Source: Company data, Bloomberg, CMBIGM estimates

Figure 2: Beike: forecast revision

rigaro z. Bonto: roroo	act reviere	rigure 2. Beine. Toredust revision												
	Current				Previous		Change (%)							
RMB bn	2024E	2025E	2026E	2024E	2025E	2026E	2024E	2025E	2026E					
Revenue	90.7	100.1	111.2	90.2	99.5	107.9	0.6%	0.6%	3.0%					
Gross profit	23.5	26.1	29.1	23.6	26.2	28.5	-0.1%	-0.3%	2.0%					
Operating profit	5.5	7.2	8.9	5.0	6.2	7.4	8.8%	15.1%	21.0%					
Non-GAAP net profit	9.0	9.8	11.1	9.4	10.4	11.4	-4.5%	-5.1%	-2.1%					
Gross margin	25.9%	26.1%	26.2%	26.1%	26.3%	26.4%	-0.2 ppt	-0.2 ppt	-0.3 ppt					
Operating margin	6.0%	7.2%	8.0%	5.6%	6.3%	6.8%	0.5 ppt	0.9 ppt	1.2 ppt					
Non-GAAP net margin	9.9%	9.8%	10.0%	10.4%	10.4%	10.5%	-0.5 ppt	-0.6 ppt	-0.5 ppt					

Source: Company data, CMBIGM estimates

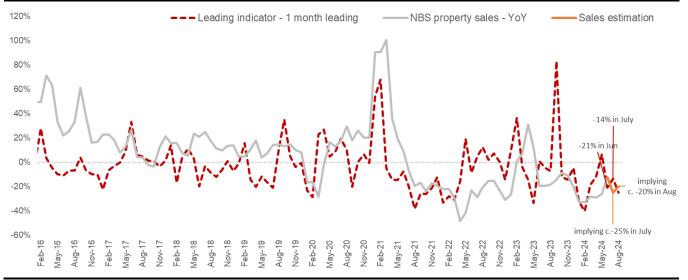


Figure 3: Beike: estimates vs consensus

		Current		C		Diff (%)			
RMB bn	2024E	2025E	2026E	2024E	2025E	2026E	2024E	2025E	2026E
Revenue	90.7	100.1	111.2	85.3	96.3	107.2	6.3%	3.9%	3.7%
Gross Profit	23.5	26.1	29.1	22.6	26.1	30.4	4.2%	-0.1%	-4.2%
Non-GAAP net profit	9.0	9.8	11.1	8.7	10.2	11.6	2.4%	-3.9%	-4.2%
Gross Margin	25.9%	26.1%	26.2%	26.4%	27.1%	28.3%	-0.5 ppt	-1.0 ppt	-2.2 ppt
Non-GAAP net margin	9.9%	9.8%	10.0%	10.2%	10.6%	10.8%	-0.4 ppt	-0.8 ppt	-0.8 ppt

Source: Company data, Bloomberg, CMBIGM estimates

Figure 4: Leading Indicator



Source: Wind, CMBIGM Note: Data as of 11 Aug 2024

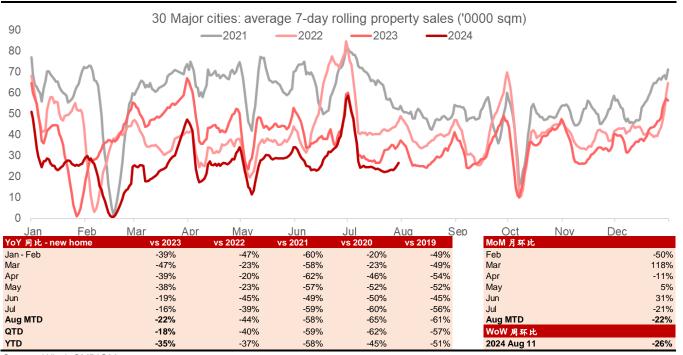
Figure 5: Daily avg. transaction volume ('0000 sqm)

Primary sales	Mar	Apr	May	Jun	Jul	Aug MTD	Aug Growth	Pre-517 (1.1-5.16)	Post-517 (5.17-8.11)	Growth	2023 (1.1-8.11)	YTD (1.1-8.11)	YoY Growth
30 major cities	28.41	26.00	26.48	33.81	25.82	20.80	-19%	23.72	28.90	22%	39.30	25.74	-35%
Tier 1&2	22.29	20.61	20.70	26.07	20.20	16.16	-20%	18.70	22.53	21%	30.86	20.19	-35%
Tier 3	6.12	5.39	5.77	7.74	5.62	4.64	-17%	5.02	6.37	27%	8.44	5.55	-34%
Shenzhen	0.96	1.00	0.79	1.12	1.05	1.29	22%	0.79	1.07	36%	1.34	0.90	-33%
Guangzhou	2.39	2.38	2.39	3.43	2.36	2.63	11%	1.99	2.82	41%	2.92	2.31	-21%
Beijing	2.60	2.40	2.00	2.95	2.84	2.67	-6%	2.54	2.76	9%	3.28	2.62	-20%
Suzhou	2.13	1.07	1.55	1.72	1.13	1.05	-7%	1.30	1.53	18%	2.07	1.39	-33%
Hangzhou	2.58	1.62	1.96	3.95	1.75	1.40	-20%	1.72	2.64	54%	2.88	2.07	-28%
Shanghai	4.65	4.23	3.63	4.74	4.39	3.43	-22%	3.48	4.39	26%	5.32	3.83	-28%
Chengdu	5.62	6.14	7.01	6.33	5.54	3.62	-35%	5.35	6.08	14%	8.28	5.63	-32%

Secondary sales	Mar	Apr	May	Jun	Jul	Aug MTD	Aug Growth	Pre-517 (1.1-5.16)	Post-517 (5.17-8.11)	Growth	2023 (1.1-8.11)	YTD (1.1-8.11)	YoY Growth
17 major cities	23.51	26.38	24.66	25.90	26.96	21.24	-21%	21.44	26.07	22%	24.02	23.25	-3%
Shanghai	5.20	4.65	4.80	7.12	5.41	4.83	-11%	4.10	6.01	47%	0.00	4.84	n.a.
Suzhou	1.91	2.60	2.59	2.34	2.26	1.97	-13%	2.03	2.48	22%	2.27	2.21	-3%
Dongguan	0.74	0.81	0.75	0.91	0.90	0.78	-13%	0.74	0.86	15%	1.06	0.79	-26%
Qingdao	1.87	2.37	1.99	1.88	2.04	1.76	-14%	1.75	1.94	11%	1.69	1.83	8%
Foshan	2.18	2.17	2.42	2.41	2.39	1.91	-20%	2.01	2.40	19%	2.44	2.16	-11%
Shenzhen	1.34	1.54	1.53	1.63	1.73	1.35	-22%	1.25	1.63	31%	1.01	1.40	38%
Chengdu	6.56	7.47	6.72	6.60	7.53	5.79	-23%	6.04	6.93	15%	6.74	6.39	-5%
Beijing	4.36	4.30	4.21	4.83	4.92	3.64	-26%	3.68	4.75	29%	4.32	4.10	-5%
Hangzhou	1.51	1.47	1.45	1.82	1.56	1.15	-26%	1.16	1.63	40%	1.14	1.35	18%

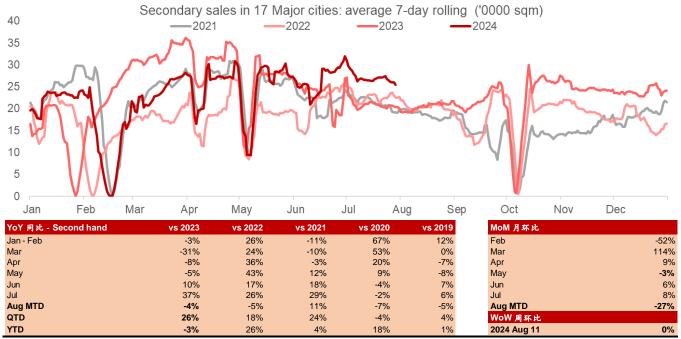
Source: Wind, CMBIGM Note: Data as of 11 Aug 2024

Figure 6: YTD new home sales decline narrowed to -35% YoY



Source: Wind, CMBIGM

Figure 7: YTD secondary sales decline narrowed to -3% YoY



Source: Wind, CMBIGM



Figure 8: Beike Core: DCF valuation table

(RMBmn)	2024E	2025E	2026E	2027E	2028E	2029E	2030E
NPV of FCF	45,184	46,479	46,163	43,548	41,241	37,111	32,679
Discounted terminal value	66,478	73,441					
Enterprise value	111,662	119,921					
Net cash	59,975	67,259					
Equity value	171,636	187,179					
No. of ADS (diluted, mn)	1,204	1,204					
Valuation per ADS (USD)	20.5						

Source: CMBIGM estimate

Note: 1) we assume USD:RMB exchange rate = 7.2:1; 2) our equity valuation for Beike Core is weighted average of 7 month in 2024 and 5 month in 2025

Figure 9: Beike: SOTP valuation

(RMBmn)	2024E
Beike Core	178,112
Shengdu	8,000
Total Beike valuation	186,112
Total Beike valuation (USDmn)	25,849
Valuation per ADS	21.5

Source: CMBIGM estimates

Note: Shengdu valuation based on acquisition value given by Beike

Risks

1) Slower-than-expected market recovery; 2) slower-than-expected margin expansion.



Financial Summary

INCOME STATEMENT	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec (RMB mn)						
Revenue	80,752	60,669	77,777	90,731	100,125	111,213
Cost of goods sold	(64,933)	(46,888)	(53,810)	(67,203)	(74,035)	(82,127)
Gross profit	15,819	13,781	23,967	23,528	26,090	29,085
Operating expenses	(17,174)	(14,614)	(16,921)	(18,042)	(18,909)	(20,169)
SG&A expense	(13,234)	(11,920)	(14,891)	(16,010)	(16,766)	(17,845)
R&D expense	(3,194)	(2,546)	(1,937)	(2,033)	(2,143)	(2,325)
Others	(747)	(148)	(93)	0	0	0
Operating profit	(1,355)	(833)	7,046	5,485	7,181	8,916
Other income	1,702	1,569	1,869	1,869	1,682	1,514
Other expense	(163)	(719)	(133)	(81)	0	0
Investment gain/loss	565	(512)	78	78	0	0
Share of (losses)/profits of associates/JV	37	45	9	(4)	0	0
Interest income	355	743	1,263	1,351	1,454	1,553
Pre-tax profit	1,141	292	10,133	8,699	10,317	11,984
Income tax	(1,665)	(1,690)	(1,994)	(2,604)	(2,880)	(3,268)
After tax profit	(525)	(1,397)	8,138	6,095	7,437	8,716
Minority interest	1	11	(6)	(12)	(12)	(12)
Net profit	(524)	(1,386)	8,132	6,083	7,425	8,704
Core net profit	(524)	(1,386)	8,132	6,083	7,425	8,704
Adjusted net profit	2,294	2,843	12,047	8,968	9,840	11,140
BALANCE SHEET	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec (RMB mn)						
Current assets	69,926	70,425	69,754	78,497	86,793	96,735
Cash & equivalents	20,446	19,413	19,635	26,037	33,322	42,549
Restricted cash	6,286	6,181	6,223	6,534	6,861	7,204
Account receivables	9,325	4,163	3,176	6,193	7,070	7,295
Other current assets	33,869	40,667	40,720	39,734	39,542	39,688
Non-current assets	30,393	38,923	50,578	54,460	58,325	62,274
PP&E	1,972	2,037	1,965	2,189	2,383	2,660
Right-of-use assets	7,244	11,284	17,618	21,618	25,618	29,618
Intangibles	1,141	1,687	1,067	725	397	68
Goodwill	1,806	4,934	4,857	4,857	4,857	4,857
Other non-current assets	18,230	18,981	25,071	25,071	25,071	25,071
Total assets	100,319	109,347	120,332	132,957	145,118	159,008
Current liabilities	28,936	33,341	39,524	43,349	45,870	48,820
Short-term borrowings	260	619	290	290	290	290
Account payables	6,009	5,843	6,329	7,904	8,707	9,659
Other current liabilities	15,361	14,528	13,175	14,209	15,224	16,390
Lease liabilities	2,753	4,972	9,369	9,369	9,369	9,369
Contract liabilities	1,102	3,260	4,665	4,665	4,665	4,665
Accrued expenses	3,451	4,118	5,696	6,912	7,615	8,447
Non-current liabilities	4,327	6,952	8,607	8,607	8,607	8,607
Long-term borrowings	0	0	0	0	0	0
Other non-current liabilities	4,327	6,952	8,607	8,607	8,607	8,607
Total liabilities	33,263	40,293	48,131	51,956	54,477	57,427
Share capital	0	0	0	0	0	0
Retained earnings	(9,843)	(11,406)	(5,673)	2,810	10,235	18,939
Other reserves	76,817	80,326	77,773	86,990	89,193	91,417
Total shareholders equity	66,974	68,920	72,100	89,800	99,428	110,357
Minority interest	82	134	101	113	125	137
Total equity and liabilities	100,319	109,347	120,332	141,870	154,031	167,921



					A Wholly Owned Subsidiary Of Chiza Merchania Bank	
CASH FLOW	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec (RMB mn)						
Operating						
Profit before taxation	1,141	292	10,133	8,699	10,317	11,984
Depreciation & amortization	1,158	1,089	932	1,127	1,158	1,187
Tax paid	1,665	1,690	1,994	2,604	2,880	3,268
Change in working capital	32	5,036	1,818	(2,842)	(2,146)	(1,379)
Others	(402)	354	(3,720)	(2,586)	(3,556)	(4,311)
Net cash from operations	3,595	8,461	11,158	7,003	8,652	10,748
Investing						
Capital expenditure	(1,430)	(793)	(874)	(927)	(1,023)	(1,136)
Acquisition of subsidiaries/ investments	(9,876)	5,420	(5,595)	0	0	0
Others	(13,578)	(13,099)	2,492	608	(19)	(43)
Net cash from investing	(24,884)	(8,472)	(3,977)	(319)	(1,042)	(1,180)
Financing						
Net borrowings	260	359	(329)	30	1	2
Proceeds from share issues	0	0	0	0	0	0
Others	(1,334)	(1,514)	(6,632)	0	0	0
Net cash from financing	(1,074)	(1,155)	(6,962)	30	1	2
Net change in cash						
Cash at the beginning of the year	49,537	26,732	25,594	25,857	32,571	40,182
Exchange difference	(442)	29	45	0	0	0
Cash at the end of the year	26,732	25,594	25,857	32,571	40,182	49,753
GROWTH	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec						
Revenue	14.6%	(24.9%)	28.2%	16.7%	10.4%	11.1%
Gross profit	(6.2%)	(12.9%)	73.9%	(1.8%)	10.9%	11.5%
Operating profit	na	na	na	(22.2%)	30.9%	24.2%
Net profit	na	na	na	(25.2%)	22.1%	17.2%
Adj. net profit	(59.9%)	23.9%	323.8%	(25.6%)	9.7%	13.2%
PROFITABILITY	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec						
Gross profit margin	19.6%	22.7%	30.8%	25.9%	26.1%	26.2%
Operating margin	(1.7%)	(1.4%)	9.1%	6.0%	7.2%	8.0%
Adj. net profit margin	2.8%	4.7%	15.5%	9.9%	9.8%	10.0%
Return on equity (ROE)	(0.8%)	(2.0%)	11.5%	7.5%	7.8%	8.3%
GEARING/LIQUIDITY/ACTIVITIES	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec						
Net debt to equity (x)	(0.3)	(0.3)	(0.3)	(0.3)	(0.3)	(0.4)
Current ratio (x)	2.4	2.1	1.8	1.8	1.9	2.0
VALUATION	2021A	2022A	2023A	2024E	2025E	2026E
YE 31 Dec						
P/E	ns	ns	14.5	19.4	15.9	13.6
P/E (diluted)	ns	ns	14.9	19.9	16.3	13.9
P/B	1.1	1.7	1.7	1.3	1.2	1.1
P/CFPS	55.0	15.5	11.6	19.6	15.6	12.4

Source: Company data, CMBIGM estimates. Note: The calculation of net cash includes financial assets.



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.

CMBIGM Ratings

: Stock with potential return of over 15% over next 12 months BUY HOLD Stock with potential return of +15% to -10% over next 12 months SELL NOT RATED : Stock with potential loss of over 10% over next 12 months

: Stock is not rated by CMBIGM

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 Global Markets Limited

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

CMB International Global Markets Limited ("CMBIGM") 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. CMBIGM 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. CMBIGM 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 CMBIGM, solely for the purpose of supplying information to the clients of CMBIGM 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 CMBIGM 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. CMBIGM has exerted every effort in its capacity to ensure, but not to guarantee, their accuracy, completeness, timeliness or correctness. CMBIGM provides the information, advices and forecasts on an "AS IS" basis. The information and contents are subject to change without notice. CMBIGM 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. CMBIGM may make investment decisions or take proprietary positions that are inconsistent with the recommendations or views in

CMBIGM 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 CMBIGM 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 CMBIGM may have a conflict of interest that could affect the objectivity of this report and CMBIGM 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 CMBIGM. 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 CMBIGM.

For recipients of this document in the United States

CMBIGM is not a registered broker-dealer in the United States. As a result, CMBIGM 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.