CMB International Securities | Equity Research | Company Update

# Bosideng (3998 HK)

## Bosideng and BOGNER to co-develop the Greater China market

- Bosideng and BOGNER are forming a JV to co-develop the Greater China market. On 1 Dec 2021, Bosideng International Fashion ("BSD") and Willy Bogner GmbH & Co. ("Bogner") will form a JV and will be granted the exclusive right to market, sell and distribute products under the BOGNER and FIRE+ICE brands in Greater China (Mainland China, HK, Macau and Taiwan). The JV will consist of 2 smaller JVs. One is the German JV (45%/ 55% owned by BSD/ Bogner) which will hold the trademark, while the other is the Asia JV for operation and market development (55%/ 45% owned by BSD/ Bogner). Together they plan to open about 80 stores and explore the online market in Greater China within the next 5 years. Bogner has already opened stores (or pop-up stores) in Plaza 66 in Shanghai as well as SKP and WF Central in Beijing. Bogner is a renowned luxurious sport fashion brand, headquartered in Germany and founded by the professional Skier Willy Bogner Sr. in 1932 and further developed by his son Wily Bogner Jr. It generated about EUR 163mn in 2020, with 70 stores in over 50 countries.
- We are slightly positive, given perfect timing for Winter Olympics and BSD's precious experience on high-end and multi-brand expansion. 1) Perfect timing for marketing, esp. for 2022 Winter Olympics. We believe this is an effective marketing campaign for Bosideng during the upcoming Olympics, which should boost brand equity and hopefully sales in Jan-Mar 2022. 2) New source of growth. Sales per store for Bogner was about EUR 2.3mn in 2020 (slightly below luxury brands' EUR 5-10mn per store), and hence assuming similar performance for 80 stores in China and e-commerce contribution of 40% of total sales, we estimate JV sales could reach RMB 2.2bn FY3/26E (8-9% of BSD's group sales in FY3/26E), while net profit will reach RMB 220mn and 50% will go to BSD (2-3% of BSD group net profit). Noted that management of this new JV are from Amer sports, LVMH and Lululemon, etc. 3) Excellent strategy to expand its price range, product category and even multi-brand strategy. We believe Bosideng will gain more experience on selling luxurious products by partnering with Bogner, selling more sports related or functional products and operating a new highend brand from the stretch. Whether or not this partnership becomes successful, this will still contribute to the long-term growth, in our view.
- Maintain BUY with TP of HK\$ 6.69, based on 23x FY23E P/E. It is currently trading at 18x FY23E P/E.

Earnings Summary					
(YE 31 Mar)	FY20A	FY21A	FY22E	FY23E	FY24E
Revenue (RMB mn)	12,191	13,517	15,904	18,137	20,352
YoY growth (%)	17.4	10.9	17.7	14.0	12.2
Net income (RMB mn)	1,203	1,710	2,261	2,726	3,290
Diluted EPS (RMB)	0.111	0.151	0.200	0.241	0.291
YoY growth (%)	12.8	48.1	34.7	20.6	20.7
Consensus EPS (RMB)	n/a	n/a	0.202	0.254	0.305
P/E (x)	44.2	29.9	22.2	18.4	15.2
P/B (x)	5.1	4.4	3.9	3.6	3.3
Yield (%)	1.7	2.5	3.2	3.8	4.6
ROE (%)	11.8	15.4	18.8	20.7	22.6
Net gearing (%)	Net cash	1.8	1.6	Net cash	Net cash

Source: Company data, Bloomberg, CMBIS estimates



## **BUY (Maintain)**

Target Price	HK\$6.69
(Previous TP	HK\$6.69)
Up/Downside	+25.5%
Current Price	HK\$5.33

### **China Apparel Sector**

Walter Woo (852) 3761 6974

walterwoo@cmbi.com.hk

#### Stock Data

otoon bata	
Mkt Cap (HK\$ mn)	57,971
Avg 3 mths t/o (HK\$ mn)	193.18
52w High/Low (HK\$)	6.93/2.99
Total Issued Shares (mn)	10,876.3
Source: Bloomberg	

#### **Shareholding Structure**

0	
Mr Gao Dekang & Family	70.49%
Employee incentive scheme	6.81%
Free Float	22.70%
Source: HKEx	

#### Share Performance

ç

	Absolute	Relative
1-mth	-5.4%	-0.2%
3-mth	-17.9%	-10.0%
6-mth	22.3%	50.7%
12-mth	58.9%	77.2%
Source: Bloomberg		

#### 12-mth Price Performance



Source: Bloomberg

## Auditor: KPMG

### **Related Reports**

- Bosideng (3998 HK, BUY) Successful new product and premiumization – 29 Nov 2021
- 2. Bosideng (3998 HK, BUY) -Outstanding double 11 and ecommerce sales - 15 Nov 2021
- Bosideng (3998 HK, BUY) Agility and brand elevation are key strategies - 25 Jun 2021

### Earnings Summarv



## **Focus Charts**

## Figure 1: Bogner's first store in mainland China, Zhangjiakou



Source: Fashion network, CMBIS estimates

## Figure 2: Bogner's products selling on Farfetch







## Figure 3: Cover page of Variety Magazine in 2020, featuring Taylor Swift with Bogner

Source: Variety Magazine, CMBIS estimates



## Assumption

## Figure 4: CMBIS estimates vs consensus

Major assumptions	FY20A	FY21A	FY22E	FY23E	FY24E
Sales by segment (RMB mn)					
Down apparels	9,513	10,889	13,052	15,138	17,210
OEM management	1,611	1,536	1,705	1,790	1,880
Ladieswear	983	947	966	1,018	1,063
Diversified apparels	84	145	181	190	199
Total	12,191	13,517	15,904	18,137	20,352
Sales by segment growth (%)					
Down apparels	24.2%	14.5%	19.9%	16.0%	13.7%
OEM management	17.8%	-4.7%	11.0%	5.0%	5.0%
Ladieswear	-17.7%	-3.7%	2.0%	5.4%	4.4%
Diversified apparels	-48.9%	72.6%	25.0%	5.0%	5.0%
Total	17.4%	10.9%	17.7%	14.0%	12.2%
Sales by channel growth (%)					
Down Apparels - offline	23.1%	2.1%	8.0%	3.9%	4.4%
Down Apparels - online	28.0%	54.3%	45.0%	35.0%	25.0%
OEM management	17.8%	-4.7%	11.0%	5.0%	5.0%
Non-down apparels - offline	-22.3%	1.1%	5.1%	4.6%	4.5%
Non-down apparels - online	-6.1%	21.8%	5.0%	15.0%	5.0%
Total	17.4%	10.9%	17.7%	14.0%	12.2%
Sales network by segment					
Down apparel	4,866	4,150	4,060	4,170	4,284
Non - down apparel	525	477	469	483	497
Total	5,391	4,627	4,528	4,653	4,781
Sales network by channel type					
Self-operated	2,267	2,161	2,154	2,228	2,304
Third party distributors	3,131	2,466	2,374	2,425	2,476
Total	5,398	4,627	4,528	4,653	4,781
GP margins by segment					
Down apparels	59.8%	63.7%	66.8%	67.2%	67.6%
OEM management	18.5%	19.6%	19.0%	17.0%	17.0%
Ladieswear	74.4%	72.6%	67.0%	63.0%	63.0%
Diversified apparels	-16.4%	0.1%	2.0%	2.0%	2.0%
Total	55.0%	58.6%	61.0%	61.4%	62.0%
Opex breakdown					
D&A/ sales	2.8%	3.6%	2.8%	2.6%	2.3%
Rental/ sales	11.6%	13.3%	12.9%	13.0%	13.1%
Labor/ sales	10.7%	11.9%	11.2%	10.4%	10.2%
A&P/ sales	7.0%	6.5%	7.7%	8.0%	8.0%
Others/ sales	9.9%	7.7%	8.3%	8.3%	8.1%
OP margins	13.1%	16.5%	19.0%	19.9%	21.1%
Effective tax rate	25.3%	24.0%	25.0%	25.0%	25.0%
NP att. margins	9.9%	12.6%	14.2%	15.0%	16.2%
NP att. growth (%)	22.6%	42.1%	32.2%	20.6%	20.7%

Source: Company data, CMBIS estimates



## Valuation

## Figure 5: Peers' valuation

			12m TP	Price	Up/ Down-	Mkt. Cap	Year	P/E (x)		P/B (x)		ROE (%)	3yrs PEG (x)	Yield (%)
Company	Ticker	Rating	(LC)	(LC)	side	(HK\$mn)	End	FY1E	FY2E	FY1E	FY2E	FY1E	FY1E	FY1E
H-shares Apparel														
Bosideng Intl	3998 HK	BUY	6.69	5.33	25%	58,406	Mar-21	23.1	19.2	4.1	3.8	17.5	0.9	3.4
China Lilang	1234 HK	BUY	6.27	4.30	46%	5,149	Dec-20	6.1	5.2	1.1	1.0	15.6	0.3	11.1
Jnby Design	3306 HK	BUY	22.84	13.82	65%	7,169	Jun-21	8.6	7.3	3.2	2.9	40.4	0.7	8.3
Cosmo Lady	2298 HK	NR	n/a	0.68	n/a	1,530	Dec-20	6.0	13.9	0.5	0.5	1.2	(0.0)	2.0
Mulsanne Group	709 HK	NR	n/a	1.50	n/a	2,368	Dec-20	n/a	n/a	n/a	n/a	5.2	0.0	n/a
Giordano	1817 HK	NR	n/a	5.96	n/a	5,662	Dec-20	n/a	n/a	n/a	n/a	(13.6)	0.0	n/a
Koradior	3709 HK	NR	n/a	10.96	n/a	7,716	Dec-20	10.1	8.1	1.6	1.4	17.2	0.4	4.9
							Avg.	10.8	10.7	2.1	1.9	11.9	0.3	5.9
							Med.	8.6	8.1	1.6	1.4	15.6	0.3	4.9
A-shares Apparel														
Ningbo Peacebird	603877 CH	NR	n/a	33.03	n/a	19,244	Dec-20	15.2	12.5	3.5	3.0	25.1	0.5	3.5
Joeone Co Ltd	601566 CH	NR	n/a	12.64	n/a	8,877	Dec-20	34.2	21.1	1.8	1.7	3.6	7.1	n/a
Fujian Septwolves	002029 CH	NR	n/a	6.01	n/a	5,550	Dec-20	18.2	13.9	0.7	0.7	4.1	0.8	2.0
Hla Corp Ltd	600398 CH	NR	n/a	6.28	n/a	33,153	Dec-20	9.5	8.1	1.8	1.6	18.2	0.3	7.3
Jiangsu Hongdou	600400 CH	NR	n/a	3.85	n/a	10,781	Dec-20	67.5	57.5	2.5	2.5	2.7	4.7	n/a
Dazzle Fashion	603587 CH	NR	n/a	18.14	n/a	10,668	Dec-20	11.9	10.3	2.3	2.1	20.4	0.6	5.0
Anzheng Fashion	603839 CH	NR	n/a	8.39	n/a	4,102	Dec-20	15.8	14.5	n/a	n/a	6.7	1.6	n/a
Lancy Co Ltd	002612 CH	NR	n/a	35.93	n/a	19,428	Dec-20	64.2	45.6	5.0	4.6	8.4	1.2	n/a
Shenzhen Huijie	002763 CH	NR	n/a	9.34	n/a	4,680	Dec-20	n/a	n/a	n/a	n/a	15.7	0.0	n/a
Ellassay Fashion	603808 CH	NR	n/a	14.62	n/a	6,595	Dec-20	14.8	12.2	1.9	1.7	14.0	2.9	2.8
Bobaolon Co	002776 CH	NR	n/a	3.59	n/a	2,360	Dec-20	n/a	n/a	n/a	n/a	(22.0)	0.0	n/a
							Avg.	27.9	21.7	2.4	2.2	8.8	1.8	4.1
							Med.	15.8	13.9	2.1	1.9	8.4	0.8	3.5
International Appa	arel													
Canada Goose	GOOS US	NR	n/a	39.41	n/a	32,784	Mar-21	38.1	26.6	9.3	6.4	14.4	0.0	n/a
Moncler Spa	MONC IM	NR	n/a	65.52	n/a	157,798	Dec-20	45.0	36.6	7.7	6.9	22.3	2.3	0.9
Hugo Boss	BOSS GR	NR	n/a	51.18	n/a	31,707	Dec-20	29.8	20.2	4.0	3.5	6.3	(0.1)	1.4
Ted Baker	TED LN	NR	n/a	111.10	n/a	2,123	Jan-21	n/a	22.7	n/a	n/a	(21.7)	0.0	0.0
Next	NXT LN	NR	n/a	7998.0	n/a	110,040	Jan-21	15.4	14.3	10.4	8.9	88.3	0.4	2.4
Hennes & Mauritz	HMB SS	NR	n/a	165.06	n/a	234,828	Nov-20	26.5	18.0	4.8	4.4	15.1	0.2	4.0
Industria De Diseno	ITX SM	NR	n/a	28.40	n/a	778,907	Jan-21	24.3	21.7	5.6	5.3	19.1	0.4	3.4
Ovs Spa	OVS IM	NR	n/a	2.81	n/a	7,199	Jan-21	14.1	11.7	0.9	0.9	16.9	0.7	0.0
Pvh Corp	PVH US	NR	n/a	100.77	n/a	55,777	Jan-21	10.9	10.2	1.4	1.4	10.2	(0.1)	0.1
Vf Corp	VFC US	NR	n/a	74.07	n/a	226,646	Mar-21	23.2	20.0	7.7	7.1	37.4	0.4	2.7
Marks & Spencer	MKS LN	NR	n/a	238.70	n/a	48,383	Apr-21	11.6	12.8	1.9	1.8	1.1	(0.1)	0.3
						.0,000	Avg.	23.9	19.5	5.4	4.7	19.0	0.4	1.5
							Med.	23.8	20.0	5.2	4.8	15.1	0.2	1.2
Source: Bloomborg							meu.	20.0	20.0	5.2	U	13.1	0.2	1.4

Source: Bloomberg, CMBIS estimates



Income statement						Cash flow summary					
YE 31 Mar (RMB mn)	FY20A	FY21A	FY22E	FY23E	FY24E	YE 31 Mar (RMB mn)	FY20A	FY21A	FY22E	FY23E	FY24E
Revenue	12,191	13,517	15,904	18,137	20,352	EBIT	1,599	2,225	3,024	3,612	4,292
Down apparels	9,513	10,88	13,05	15,13	17,21	D & A	400	564	357	374	369
OEM management	1,611	1,536	1,705	1,790	1,880	Change in working capital	(487)	425	(808)	(198)	(186)
Ladieswear	983	947	966	1,018	1,063	Income tax paid	(497)	(348)	(756)	(912)	(1,100)
Diversified apparels	84	145	181	190	199	Others	218	267	188	222	296
Cost of goods sold	(5,482)	(5,592)	(6,210)	(7,009)	(7,729)	Net cash from operating	1,233	3,133	2,005	3,098	3,670
Gross profit	6,709	7,924	9,694	11,128	12,623						
Other income	187	204	207	218	224	Capex & investments	(714)	(437)	(514)	(586)	(657)
						Associated companies	1,118	(3,193)	-	-	-
Operating expenses	(5,297)	(5,903)	(6,877)	(7,734)	(8,555)	Interest received	129	153	-	-	-
D & A	(151)	(177)	(148)	(150)	(149)	Others	79	(386)	-	-	-
Staff costs	(1,346)	(1,652)	(1,820)	(1,927)	(2,119)	Net cash from investing	612	(3,863)	(514)	(586)	(657)
S & D costs (ex-staff, D&A)	(2,938)	(3,174)	(3,834)	(4,431)	(4,901)						
Admin exp. (ex-staff, D&A)	(423)	(503)	(587)	(661)	(737)	Equity raised	-	-	-	-	-
Other operating expenses	(439)	(396)	(487)	(565)	(649)	Net change in bank loans	(552)	148	-	-	-
EBIT	1,599	2,225	3,024	3,612	4,292	Dividend paid	(863)	(880)	(1,289)	(1,582)	(1,912)
						Others	1,408	(361)	(187)	(187)	(187)
Finance costs, net	1	18	1	35	109	Net cash from financing	(8)	(1,092)	(1,476)	(1,770)	(2,099)
JVs & associates	-	-	-	-	-						
Exceptional	-	-	-	-	-	Net change in cash	1,837	(1,822)	15	743	914
Pre-tax profit	1,600	2,242	3,025	3,646	4,401	Beginning cash balance	1,754	3,639	1,771	1,787	2,529
						Exchange difference	47	(46)	-	-	-
Income tax	(405)	(537)	(756)	(912)	(1,100)	Cash at the end of the year	3,639	1,771	1,787	2,529	3,443
Less: Minority interests	(8)	(5)	8	9	10	_					
Net profit	1,203	1,710	2,261	2,726	3,290						

Balance sheet	-					Key ratios					-
YE 31 Mar (RMB mn)	FY20A	FY21A 6,080	FY22E 6,236	FY23E 6,448	FY24E 6,736	YE 31 Mar	FY19A	FY20A	FY21E	FY22E	FY23E
Non-current assets	4,909	,			-	Sales mix (%)		90.0	00.4	00 5	84.6
Fixed asset	1,390	1,762	2,031	2,355	2,757	Down apparels	78.0	80.6	82.1	83.5	
Intangible assets & goodwill	1,654	1,572	1,459	1,346	1,234	OEM management	13.2	11.4	10.7	9.9	9.2
Prepaid lease payments	99	912	912	912	912	Ladieswear	8.1	7.0	6.1	5.6	5.2
Interest in joint ventures	-	-	-	-	-	Diversified apparels	0.7	1.1	1.1	1.0	1.0
Other non-current assets	1,765	1,833	1,833	1,833	1,833	Total	100.0	100.0	100.0	100.0	100.0
Current assets	12,470	12,877	13,545	15,004	16,594	P&L ratios (%)					
Cash and cash equivalents	3,639	1,771	1,787	2,529	3,443	Gross margin	55.0	58.6	61.0	61.4	62.0
Inventories	2,726	2,646	2,938	3,316	3,657	Operating margin	13.1	16.5	19.0	19.9	21.1
Trade and other receivables	1,197	876	1,031	1,175	1,319	Pre-tax margin	13.1	16.6	19.0	20.1	21.6
Prepayments	971	1,168	1,375	1,567	1,759	Net margin	9.9	12.6	14.2	15.0	16.2
Other current assets	3,937	6,415	6,415	6,415	6,415	Effective tax rate	25.3	24.0	25.0	25.0	25.0
Current liabilities	4,690	5,442	5,288	5,805	6,295	Balance sheet ratios					
Bank loans	818	671	671	671	671	Current ratio (x)	2.7	2.4	2.6	2.6	2.6
Trade payables	1,830	2,469	2,042	2,304	2,541	Quick ratio (x)	2.1	1.9	2.0	2.0	2.1
Accruals & other payables	1,412	1,543	1,816	2,071	2,324	Cash ratio (x)	0.8	0.3	0.3	0.4	0.5
Tax payables	365	520	520	520	520	Inventory turnover days	181	173	173	173	173
others	266	239	239	239	239	Trade receivables days	36	24	24	24	24
ounoito						Trade payables days	122	161	120	120	120
Non-current liabilities	2,286	2,263	2,263	2,263	2,263	Total debt / total equity ratio (%)	24	21	19	17	16
Bank loans	-	-	-	-	-	Net debt / equity ratio (%)	Net cash	2	2	Net cash	Net cash
Deferred income	-	-	-	-	-	Returns (%)					
Deferred tax	140	174	174	174	174	ROE	11.8	15.4	18.8	20.7	22.6
Others	2,146	2,089	2,089	2,089	2,089	ROA	6.9	9.0	11.4	12.7	14.1
						Per share					
Minority Interest	189	182	190	199	209	Diluted EPS (RMB)	0.11	0.15	0.20	0.24	0.29
Total net assets	10,214	11,069	12,041	13,184	14,562	DPS (RMB)	0.08	0.11	0.14	0.17	0.20
Shareholders' equity	10,214	11,069	12,041	13,184	14,562	BVPS (RMB)	0.96	1.03	1.13	1.23	1.36

Source: Company data, CMBIS estimates





## **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 HOLD SELL NOT RATED	: Stock with potential return of over 15% over next 12 months : Stock with potential return of +15% to -10% over next 12 months : Stock with potential loss of over 10% over next 12 months : 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 a "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-6under 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.