

Ping An Insurance 2318 HK

Target (HKD): **100.00 → 110.00**

Emerging gateway

Leon Qi, CFA (852) 2532 4381 leon.qi@hk.daiwacm.com

Ailsa He

(852) 2773 8745 ailsa.he@hk.daiwacm.com

- Results briefing reaffirms our positive stance on its leading business growth and profitability
- We believe Ping An's high premium growth, productivity, and profitability is the result of its growing customer stickiness
- Reiterating Buy (1); raising target price to HKD110

What's new

Ping An held an analyst briefing session after posting encouraging 2014 results. We are glad to see Ping An's Internet finance initiatives and cross-selling business model delivering above-peer growth in multiple traditional business lines.

What's the impact

Cross-selling is delivering. We believe Ping An is aiming to become the gateway for asset and health management for Chinese residents. Products across business lines were designed and sold under this principle. In 2014, 7mn customers migrated across different business lines within Ping An. The company provides incentives for customer referrals and monitors KPIs for the number of clients, number of active clients and value of clients during migration across business lines.

Upside: **19.4%**

20 Mar price (HKD): 92.10

Internet finance. Ping An's Internet finance platforms attracted nearly 70mn annual active users in 2014. In our view, at the current stage Ping An is using its Internet finance platforms to accumulate its user base rapidly, with the aim of migrating them to its traditional businesses.

P&C profitability. Given its sound combined ratio for 2014, management is satisfied with Ping An P&C's overall results. However, given that competition is still intense and Ping An is actively seeking to achieve high premium growth, management believes its expense ratio is likely to be on an uptrend, especially for its auto business. Management also highlighted the high profitability in its credit guarantee insurance segment and forecasts continued growth in this area.

Investment strategy. Ping An stated it is seeking to broaden its product breadth and intensify supervision in the management of its insurance investment portfolio. In terms of breadth, it is looking into more asset classes such as preferred shares, hedge funds, debt schemes, and mezzanine debt, domestically and overseas. In terms of supervision, it is investing in technology to improve internal credit-risk control and better hedge its positions. Additionally, it seeks to delegate more portfolios to external professional asset managers.

What we recommend

We continue to see Ping An's conglomerate financials business model as undervalued by the market, and believe its current valuation (1.3x 2015E P/EV) discounts many risks already. We raise our 12-month SOTP-based TP to HKD110 (from HKD100) due to the higher visibility

- Buy (unchanged)
 Outperform
 Hold
- **Underperform**
- **5** Sell

on its high VNB growth. Our TP implies a 1.6x P/EV (group) or a 2.1x PBR for 2015E. The key risk to our call is Ping An's relatively high exposure to non-standard assets. (See our recent report for details: <u>*Ping An*</u>: <u>conglomerate business model</u> <u>undervalued</u>).

How we differ

We are more confident than the market that Ping An will deliver higher-than-peers VNB and EV growth due to its effective conglomerate financial service model.

Forecast revisions (%)

Year to 31 Dec	15E	16E	17E
Net premiums change	(0.2)	(0.3)	(0.3)
Net profit change	7.3	(0.4)	6.6
Core EPS (FD) change	7.3	(0.4)	6.6

Source: Daiwa forecasts

Share price performance



12-month range		56.20-92.10		
Market cap (USDbn)		108.48		
3m avg daily turnover (US	SDm)	4,884.64		
Shares outstanding (m)		9,140		
Major shareholder	Charoen Pokphand Group (12.49			

Financial summary (CNY)

Year to 31 Dec	15E	16E	17E
Net premiums (m)	349,615	421,439	509,082
Net investment income (m)	78,263	92,262	102,468
Net profit (m)	50,202	57,718	59,609
Core EPS (fully-diluted)	5.496	6.315	6.522
EPS change (%)	18.0	14.9	3.3
Daiwa vs Cons. EPS (%)	6.3	7.4	10.9
PER (x)	13.4	11.6	11.3
Dividend yield (%)	0.7	0.9	0.9
DPS	0.550	0.631	0.652
PBR (x)	1.8	1.4	1.3
ROE (%)	15.1	13.6	11.8

Source: FactSet, Daiwa forecasts

Financials / China 20 March 2015



Ping An: P&L summary

P&L summary			
(CNY m)	2014	2013	YoY
NEP & policy fees	288,779	240,199	20.2%
Investment Income	71,538	55,583	28.7%
Other Income	169,703	125,439	35.3%
Operating Income	530,020	421,221	25.8%
Commission expenses	(34,941)	(25,390)	37.6%
G&A expenses	(102,565)	(81,753)	25.5%
Total operating and other expenses	(467,667)	(374,997)	24.7%
Profit before tax	62,353	46,224	34.9%
Income tax	(14,423)	(10,210)	41.3%
Net profit	47,930	36,014	33.1%
Minority interests	(8,651)	(7,860)	10.1%
Net profit to shareholders	39,279	28,154	39.5%

Source: Company

Ping An: key ratios

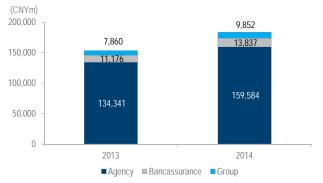
Key ratios			
	2014	2013	YoY
Net earned premium (NEP) growth (%)	20.2%	12.7%	+7.5ppt
Net investment yield (%)	5.3%	5.1%	+0.2ppt
Total investment yield (%)	5.1%	5.1%	-
Commission expenses/NEP (%)	12.1%	10.6%	+1.5ppt
G&A expenses/NEP (%)	35.5%	34.0%	+1.5ppt
ROA (%)	1.1%	0.9%	+0.2ppt
ROE (%)	18.3%	16.4%	+1.9ppt

Ping An: balance sheet and investment portfolio summary

Balance sheet and investment portfolio summary			
(CNY m)	2014	2013	YoY
Total assets	4,005,911	3,360,312	19.2%
Total liability	3,652,095	3,120,607	17.0%
Shareholders' equity	289,564	182,709	58.5%

Source: Company

Ping An: premium income composition



Source: Company

Source: Company, Daiwa estimates

Ping An: 12-month forward PBR and share price



Source: Company, Daiwa

Ping An: 12-month forward P/EV and share price





Financial summary

Key assumptions

Year to 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
Life premum growth (%)	89.4	28.1	8.7	13.7	19.5	23.5	24.5	24.5
VNB growth (%)	31.4	8.5	(5.4)	14.1	20.9	22.4	22.1	21.0
P&C premium growth (%)	61.2	33.9	18.4	16.7	23.8	18.1	13.9	14.0
Combined ratio (%)	93.2	93.5	95.3	97.3	95.3	95.8	96.4	96.4
Investment assets growth (%)	29.1	32.2	29.7	17.2	5.8	18.0	16.0	10.0
Net investment yield - Group	4.2	4.5	4.7	5.1	5.3	4.3	4.3	4.3
Embedded value growth (%)	29.5	17.2	21.3	15.3	39.2	15.6	16.1	17.2
Solvency ratio - Group (%)	198	167	186	174	205	163	177	170
Payout ratio (%)	24.3	16.3	17.8	14.1	14.1	10.0	10.0	10.0

Profit and loss (CNYm)

Year to 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
Net written prem. & policy fees	151,203	196,832	221,089	248,017	301,763	365,911	440,111	530,503
Net earned premiums	141,124	186,662	213,144	240,199	288,779	349,615	421,439	509,082
Net claims incurred	(115,077)	(145,764)	(165,994)	(198,002)	(228,326)	(267,307)	(319,075)	(381,273)
Deferred policy acq. cost amort.	0	0	0	0	0	0	0	0
Underwriting & policy acq. cost	(14,545)	(17,767)	(20,437)	(25,390)	(34,941)	(46,419)	(55,758)	(67,003)
G&A expenses	(34,385)	(50,575)	(68,477)	(81,753)	(102,565)	(110,729)	(129,698)	(152,052)
P'holders' div. & profit particip.	0	0	0	0	0	0	0	0
Other underwriting inc./(exp.)	2,544	2,829	5,626	6,675	5,427	(3,138)	(10,207)	(18,903)
Underwriting profit/(loss)	(20,339)	(24,615)	(36,138)	(58,271)	(71,626)	(77,978)	(93,298)	(110,149)
Net investment inc./(exp.)	25,972	34,285	41,598	54,310	70,337	78,263	92,262	102,468
Net realised & unrealised	5,111	(5,020)	(14,220)	1,273	1,201	11,484	13,746	14,793
gains/(losses) on inv.	3,111	(3,020)	3,020) (14,220)	1,273	5 1,201	11,404	13,740	14,193
Associates' profits	1,465	1,068	(46)	(264)	(62)	0	0	0
Other inc./(expenses)	(730)	(2,138)	(2,793)	(7,090)	(14,805)	(16,989)	(21,157)	(26,362)
Profit before tax	22,347	30,026	32,338	46,224	62,353	80,246	92,261	95,282
Тах	(4,409)	(7,444)	(5,588)	(10,210)	(14,423)	(16,049)	(18,452)	(19,056)
Min. int./pref. div./others	(627)	(3,107)	(6,700)	(7,860)	(8,651)	(13,995)	(16,090)	(16,617)
Net profit (reported)	17,311	19,475	20,050	28,154	39,279	50,202	57,718	59,609
Net profit (adjusted)	17,311	19,475	20,050	28,154	39,279	50,202	57,718	59,609
EPS (reported) (CNY)	2.265	2.503	2.533	3.557	4.674	5.496	6.315	6.522
EPS (adjusted) (CNY)	2.265	2.503	2.533	3.557	4.674	5.496	6.315	6.522
EPS (adjusted, fully-diluted)) (CNY)	2.265	2.503	2.533	3.545	4.659	5.496	6.315	6.522
DPS (CNY)	0.550	0.407	0.450	0.500	0.659	0.550	0.631	0.652
EV/share (CNY)	26.293	29.766	36.113	41.644	51.598	58.072	67.358	n.a.

Change (YoY %) and margins (%)

Year to 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
Gross premium growth	42.0	30.4	12.6	15.0	21.3	21.1	20.0	20.2
Net premium growth	40.6	32.3	14.2	12.7	20.2	21.1	20.5	20.8
Net claims incurred	n.a.							
Underwriting profit/(loss)	n.a.							
Net investment income	36.2	32.0	21.3	30.6	29.5	11.3	17.9	11.1
Net profit (reported)	24.7	12.5	3.0	40.4	39.5	27.8	15.0	3.3
Net profit (adjusted)	24.7	12.5	3.0	40.4	39.5	27.8	15.0	3.3
EPS (reported)	19.8	10.5	1.2	40.4	31.4	17.6	14.9	3.3
EPS (adjusted)	19.8	10.5	1.2	40.4	31.4	17.6	14.9	3.3
EPS (adjusted, fully-diluted)	19.8	10.5	1.2	40.0	31.4	18.0	14.9	3.3
DPS	19.0	(26.0)	10.6	11.1	31.9	(16.6)	14.9	3.3
EV/share	24.4	13.2	21.3	15.3	23.9	12.5	16.0	n.a.
Underwriting margin (%)	(14.4)	(13.2)	(17.0)	(24.3)	(24.8)	(22.3)	(22.1)	(21.6)
PBT margin (%)	15.8	16.1	15.2	19.2	21.6	23.0	21.9	18.7
Net-profit margin (%)	12.3	10.4	9.4	11.7	13.6	14.4	13.7	11.7

Source: FactSet, Daiwa forecasts



Financial summary continued ...

Balance sheet (CNYm)

As at 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
Cash & bank balances	118,928	285,500	480,103	410,208	538,992	384,408	425,207	467,727
Total investment	775,390	1,043,104	1,449,577	1,813,646	2,045,128	1,926,032	2,234,197	2,457,616
Loans and advances	131,960	611,731	709,402	861,770	1,053,882	1,243,581	1,417,682	1,616,158
Deferred acquisition costs	0	0	0	0	0	0	0	0
Investment in associates	39,601	11,837	9,960	12,081	12,898	14,188	15,607	17,167
Net fixed assets	8,170	16,027	17,539	18,873	28,341	31,175	34,293	37,722
Goodwill & other intangibles	9,902	33,584	37,536	43,896	43,032	45,184	47,443	49,815
Assets under management	0	0	0	0	0	0	0	0
Reins. recov. on unpaid losses	6,178	7,892	9,341	13,839	15,587	18,908	21,933	24,784
Receivables	50,789	220,374	65,095	73,605	130,881	95,829	114,715	137,455
Other assets	30,709	55,375	65,713	112,394	137,170	967,672	1,172,216	1,387,674
Total assets	1,171,627	2,285,424	2,844,266	3,360,312	4,005,911	4,726,975	5,483,291	6,196,119
Customer deposits	214,785	1,031,744	1,407,251	1,700,981	1,966,601	2,087,739	2,217,214	2,355,672
Technical reserves	639,096	748,927	866,461	1,007,578	1,171,022	1,311,686	1,485,157	1,704,657
Unearned premium reserves	30,842	42,288	50,801	60,987	74,124	88,565	143,175	194,851
Payables	34,189	45,953	59,974	79,591	94,333	106,967	126,444	147,890
Borrowing	7,540	24,638	36,795	54,757	81,232	70,977	70,977	70,977
Other liabilities	128,292	220,532	213,335	216,713	264,783	607,017	870,927	1,078,653
Total liabilities	1,054,744	2,114,082	2,634,617	3,120,607	3,652,095	4,272,951	4,913,894	5,552,700
Share capital	7,644	7,916	7,916	7,916	8,892	9,140	9,140	9,140
Reserves & others	104,386	122,951	151,701	174,793	280,672	366,637	465,920	523,324
Shareholders' equity	112,030	130,867	159,617	182,709	289,564	375,777	475,060	532,464
Minority interests	4,853	40,475	50,032	56,996	64,252	78,247	94,337	110,954
Total equity & liabilities	1,171,627	2,285,424	2,844,266	3,360,312	4,005,911	4,726,975	5,483,291	6,196,119

Key ratios (%)

Year to 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
ROAE (adjusted)	17.6	16.0	13.8	16.4	16.6	15.1	13.6	11.8
Net earned premium/equity	126.0	142.6	133.5	131.5	99.7	93.0	88.7	95.6
Total investment return	4.9	4.0	2.9	5.1	5.1	4.9	5.0	4.9
Net debt to equity	net cash							
Effective tax rate	19.7	24.8	17.3	22.1	23.1	20.0	20.0	20.0
Dividend payout	24.3	16.3	17.8	14.1	14.1	10.0	10.0	10.0

Source: FactSet, Daiwa forecasts

Company profile

Ping An Insurance is a diversified financial group, with life and non-life insurance businesses, a bank subsidiary, and a few diversified financial subsidiaries. The company was founded in 1988 as a P&C insurance company, shifted its focus to life insurance in 1994, and was listed in 2004. Ping An is China's second-largest life and non-life insurer based on total premiums, with market shares of 13.7% and 18.9%, respectively, for 2014.



Disclaimer

This publication is produced by Daiwa Securities Group Inc. and/or its non-U.S. affiliates, and distributed by Daiwa Securities Group Inc. and/or its non-U.S. affiliates, except to the extent expressly provided herein. This publication and the contents hereof are intended for information purposes only, and may be subject to change without further notice. Any use, disclosure, distribution, dissemination, copying, printing or reliance on this publication for any other purpose without our prior consent or approval is strictly prohibited. Neither Daiwa Securities Group Inc. nor any of its respective parent, holding, subsidiaries or affiliates, nor any of its respective directors, officers, servants and employees, represent nor warrant the accuracy or completeness of the information contained herein or as to the existence of other facts which might be significant, and will not accept any responsibility or liability whatsoever for any use of or reliance upon this publication or any of the contents hereof. Neither this publication nor any content hereof, constitute, or are to be construed as, an offer or solicitation of an offer to buy or sell any of the securities mentioned herein in any country or iurisdiction nor supresserves expressly provided any recommendation or investment onion or advice. Any view, recommendation securities or investments mentioned herein in any country or jurisdiction nor, unless expressly provided, any recommendation or investment opinion or advice. Any view, recommendation, opinion or advice expressed in this publication may not necessarily reflect those of Daiwa Securities Capital Markets Co. Ltd., and/or its affiliates nor any of its respective directors, officers, servants and employees except where the publication states otherwise. This research report is not to be relied upon by any person in making any investment decision or otherwise advising with respect to, or dealing in, the securities mentioned, as it does not take into account the specific investment objectives, financial situation and particular needs of any person.

Daiwa Securities Group Inc., its subsidiaries or affiliates, or its or their respective directors, officers and employees from time to time have trades as principals, or have positions in, or have other interests in the securities of the company under research including derivatives in respect of such securities or may have also performed investment banking and other services for the issuer of such securities. The following are additional disclosures.

Japan

Daiwa Securities Co. Ltd. and Daiwa Securities Group Inc. Daiwa Securities Co. Ltd. is a subsidiary of Daiwa Securities Group Inc. Investment Banking Relationship

Within the preceding 12 months, The subsidiaries and/or affiliates of Daiwa Securities Group Inc. * has lead-managed public offerings and/or secondary offerings (excluding straight bonds) of the securities of the following companies: Modern Land (China) Co. Ltd (1107 HK); econtext Asia Ltd (1390 HK); Lotte Shopping Co (023530 KS); Rexlot Holdings Ltd (555 HK); Neo Solar Power Corp (3576_TT); Accordia Golf Trust (AGT SP); Hua Hong Semiconductor Ltd (1347 HK).

*Subsidiaries of Daiwa Securities Group Inc. for the purposes of this section shall mean any one or more of: Daiwa Capital Markets Hong Kong Limited (大和資本市場香港有限公司), Daiwa Capital Markets Singapore Limited, Daiwa Capital Markets Australia Limited, Daiwa Capital Markets India Private Limited, Daiwa-Cathay Capital Markets Co., Ltd., Daiwa Securities Capital Markets Korea Co., Ltd.

Hong Kong

This research is distributed in Hong Kong by Daiwa Capital Markets Hong Kong Limited (大和資本市場香港有限公司) ("DHK") which is regulated by the Hong Kong Securities and Futures Commission. Recipients of this research in Hong Kong may contact DHK in respect of any matter arising from or in connection with this research. **Ownership of Securities**

For "Ownership of Securities" information, please visit BlueMatrix disclosure Link at https://daiwa3.bluematrix.com/sellside/Disclosures.link-timestment-Banking-Relationship

For "Investment Banking Relationship", please visit BlueMatrix disclosure Link at https://daiwa3.bluematrix.com/sellside/Disclosures.action. Relevant Relationship (DHK)

DHK may from time to time have an individual employed by or associated with it serves as an officer of any of the companies under its research coverage.

DHK may from time to time make a market in securities covered by this research.

Singapore

This research is distributed in Singapore by Daiwa Capital Markets Singapore Limited and it may only be distributed in Singapore to accredited investors, expert investors and institutional investors as defined in the Financial Advisers Regulations and the Securities and Futures Act (Chapter 289), as amended from time to time. By virtue of distribution to these category of investors, Daiwa Capital Markets Singapore Limited and its representatives are not required to comply with Section 36 of the Financial Advisers Act (Chapter 110) (Section 36 relates to disclosure of Daiwa Capital Markets Singapore Limited's interest and/or its representative's interest in securities). Recipients of this research in Singapore may contact Daiwa Capital Markets Singapore Limited in respect of any matter arising from or in connection with the research.

Australia

This research is distributed in Australia by Daiwa Capital Markets Stockbroking Limited and it may only be distributed in Australia to wholesale investors within the meaning of the Corporations Act. Recipients of this research in Australia may contact Daiwa Capital Markets Stockbroking Limited in respect of any matter arising from or in connection with the research. Ownership of Securities

For "Ownership of Securities" information, please visit BlueMatrix disclosure Link at https://daiwa3.bluematrix.com/sellside/Disclosures.action.

India

This research is distributed by Daiwa Capital Markets India Private Limited (DAIWA) which is an intermediary registered with Securities & Exchange Board of India. This report is not to be considered as an offer or solicitation for any dealings in securities. While the information in this report has been compiled by DAIWA in good faith from sources believed to be reliable, no representation or warranty, express of implied, is made or given as to its accuracy, completeness or correctness. DAIWA its officers, employees, representatives and agents accept no liability whatsoever for any loss or damage whether direct, indirect, consequential or otherwise howsoever arising (whether in negligence or otherwise) out of or in connection with or from any use of or reliance on the contents of and/or omissions from this document. Consequently DAIWA expressly disclaims any and all liability for, or based on or relating to any such information contained required for the contents of onessions in this document. Consequence of the second of the securities thereof, of company (ies) mentioned herein or be engaged in any other transactions involving such securities and earn brokerage or other compensation or act as advisor or have the potential conflict of interest with respect to any recommendation and related information or opinion. DAIWA prohibits its analyst and their family members from maintaining a financial the potential conflict of interest with respect to any recommendation and related information or opinion. DAIWA prohibits its analyst and their family members from maintaining a linancial interest in the securities or derivatives of any companies that the analyst cover. This report is not intended or directed for distribution to, or use by any person, citizen or entity which is resident or located in any state or country or jurisdiction where such publication, distribution or use would be contrary to any statutory legislation, or regulation which would require DAIWA and its affiliates/ group companies to any registration or licensing requirements. The views expressed in the report accurately reflect the analyst's personal views about the securities and issuers that are subject of the Report, and that no part of the analyst's compensation was, is or will be directly or indirectly, related to the recommendations or views expressed in the Report. This report does not recommend to US recipients the use of Daiwa Capital Markets India Private Limited or any of its non – US affiliates to effect trades in any securities and is not supplied with any understanding that US recipients will direct commission business to Daiwa Capital Markets India Private Limited.

Taiwan

This research is distributed in Taiwan by Daiwa-Cathay Capital Markets Co., Ltd and it may only be distributed in Taiwan to institutional investors or specific investors who have signed recommendation contracts with Daiwa-Cathay Capital Markets Co., Ltd in accordance with the Operational Regulations Governing Securities Firms Recommending Trades in Securities to Customers. Recipients of this research in Taiwan may contact Daiwa-Cathay Capital Markets Co., Ltd in respect of any matter arising from or in connection with the research.

Philippine

This research is distributed in the Philippines by DBP-Daiwa Capital Markets Philippines, Inc. which is regulated by the Philippines Securities and Exchange Commission and the Philippines Stock Exchange, Inc. Recipients of this research in the Philippines may contact DBP-Daiwa Capital Markets Philippines, Inc. in respect of any matter arising from or in connection with the research. DBP-Daiwa Capital Markets Philippines, Inc. recommends that investors independently assess, with a professional advisor, the specific financial risks as well as the legal, regulatory, tax, accounting, and other consequences of a proposed transaction. DBP-Daiwa Capital Markets Philippines, Inc. may have positions or may be materially interested in the securities in any of the markets mentioned in the publication or may have performed other services for the issuers of such securities. For relevant securities and trading rules please visit SEC and PSE Link at <u>http://www.sec.gov.ph/irr/AmendedIRRfinalversion.pdf</u> and <u>http://www.pse.com.ph/</u> respectively.

Thailand

This research is distributed to only institutional investors in Thailand primarily by Thanachart Securities Public Company Limited ("TNS").

This report is prepared by analysts who are employed by Daiwa Securities Group Inc. and/or its non-U.S. affiliates. While the information is from sources believed to be reliable, neither the information nor the forecasts shall be taken as a representation or warranty for which Thanachart Securities Company Limited, Daiwa Securities Group Inc. and or its non-cost and the information is non-builty. This report is provided to you for informational purposes only and it is not, and is not to be construed as, an offer or an invitation to make an offer to sell or buy any securities. Neither Thanachart Securities Group Inc. nor any of their respective directors, officiers, servants and employees incur any responsibility. This report is provided to you for informational purposes only and it is not, and is not to be construed as, an offer or an invitation to make an offer to sell or buy any securities. Neither Thanachart Securities Public Company Limited, Daiwa Securities Group Inc. nor any of their respective parent, holding, subsidiaries or affiliates, nor any of their respective directors, officers, servants and employees accept any liability whatsoever for any



direct or consequential loss arising from any use of this research or its contents.

The information and opinions contained herein have been compiled or arrived at from sources believed reliable. However, Thanachart Securities Public Company Limited, Daiwa Securities Group Inc. nor any of their respective parent, holding, subsidiaries or affiliates, nor any of their respective directors, officers, servants and employees make no representation or warranty, express or implied, as to their accuracy or completeness. Expressions of opinion herein are subject to change without notice. The use of any information, forecasts and opinions contained in this report shall be at the sole discretion and risk of the user.

Daiwa Securities Group Inc. and/or its non-U.S. affiliates perform and seek to perform business with companies covered in this research. Thanachart Securities Public Company Limited, Daiwa Securities Group Inc., their respective parent, holding, subsidiaries or affiliates, their respective directors, officers, servants and employees may have positions and financial interest in securities mentioned in this research. Thanachart Securities Public Company Limited, Daiwa Securities Group Inc., their respective parent, holding, subsidiaries or affiliates may from time to time perform investment banking or other services for, or solicit investment banking or other business from, any entity mentioned in this research. Therefore, investors should be aware of conflict of interest that may affect the objectivity of this research.

United Kingdom

United Kingdom This research report is produced by Daiwa Capital Markets Europe Limited and/or its affiliates and is distributed in the European Union, Iceland, Liechtenstein, Norway and Switzerland. Daiwa Capital Markets Europe Limited is authorised and regulated by The Financial Conduct Authority ("FCA") and is a member of the London Stock Exchange, Eurex and NYSE Liffe. Daiwa Capital Markets Europe Limited and/or its affiliates may, from time to time, to the extent permitted by law, participate or invest in other financing transactions with the issuers of the securities referred to herein (the "Securities"), perform services for or solicit business from such issuers, and/or have a position or effect transactions in the Securities or options thereof and/or may have acted as an underwriter during the past twelve months for the issuer of such securities. In addition, employees of Daiwa Capital Markets Europe Limited and/or its affiliates may have positions and effect transactions in such securities or options and may serve as Directors of such secures. Daiwa Capital Markets Europe Limited and, the extent permitted by applicable UK law and other applicable law or regulation, effect transactions in the Securities before this material is published to recipients.

This publication is intended for investors who are not Retail Clients in the United Kingdom within the meaning of the Rules of the FCA and should not therefore be distributed to such Retail Clients in the United Kingdom. Should you enter into investment business with Daiwa Capital Markets Europe's affiliates outside the United Kingdom, we are obliged to advise that the protection afforded by the United Kingdom regulatory system may not apply; in particular, the benefits of the Financial Services Compensation Scheme may not be available.

Daiwa Capital Markets Europe Limited has in place organisational arrangements for the prevention and avoidance of conflicts of interest. Our conflict management policy is available at http://www.uk.daiwacm.com/about-us/corporate-governance-regulatory . Regulatory disclosures of investment banking relationships are available at https://daiwa3.bluematrix.com/sellside/Disclosures.action.

Germany

This document is distributed in Germany by Daiwa Capital Markets Europe Limited, Niederlassung Frankfurt which is regulated by BaFin (Bundesanstalt fuer Finanzdienstleistungsaufsicht) for the conduct of business in Germany

Bahrain

This research material is distributed by Daiwa Capital Markets Europe Limited, Bahrain Branch, regulated by The Central Bank of Bahrain and holds Investment Business Firm – Category 2 license and having its official place of business at the Bahrain World Trade Centre, South Tower, 7th floor, P.O. Box 30069, Manama, Kingdom of Bahrain. Tel No. +973 17534452 Fax No. +973 535113

This material is provided as a reference for making investment decisions and is not intended to be a solicitation for investment. Investment decisions should be made at your own discretion and risk. Accordingly, no representation or warranty, express or implied, is made as to and no reliance should be placed on the fairness, accuracy, completeness or correctness of the information and opinions contained in this document, Content herein is based on information available at the time the research material was prepared and may be amended or otherwise changed in the future without notice. All information is intended for the private use of the person to whom it is provided without any liability whatsoever on the part of Daiwa Capital Markets Europe Limited, Bahrain Branch, any associated company or the employees thereof. If you are in doubt about the suitability of the product or the research material itself, please consult your the product or the research material itself. own financial adviser. Daiwa Capital Markets Europe Limited, Bahrain Branch retains all rights related to the content of this material, which may not be redistributed or otherwise transmitted without prior consent.

United States

United States This report is distributed in the U.S. by Daiwa Capital Markets America Inc. (DCMA). It may not be accurate or complete and should not be relied upon as such. It reflects the preparer's views at the time of its preparation, but may not reflect events occurring after its preparation; nor does it reflect DCMA's views at any time. Neither DCMA nor the preparer has any obligation to update this report or to continue to prepare research on this subject. This report is not an offer to sell or the solicitation of any offer to buy securities. Unless this report says otherwise, any recommendation it makes is risky and appropriate only for sophisticated speculative investors able to incur significant losses. Readers should consult their financial advisors to determine whether any such recommendation is consistent with their own investment objectives, financial situation and needs. This report does not recommend to U.S. recipients the use of any of DCMA's non-U.S. affiliates to effect trades in any security and is not supplied with any understanding that U.S. recipients of this report will direct commission business to such non-U.S. entities. Unless applicable law permits otherwise, non-U.S. customers wishing to effect a transaction in any securities referenced in this material should contact a Daiwa entity in their local jurisdiction. Most countries throughout the world have their own laws regulating the types of securities and other investment products which may be offered to their residents, as well as a process for doing so. As a result, the securities discussed in this report may not be eligible for sales in some jurisdictions. Customers wishing to obtain further information about this report should contact DCMA: Daiwa Capital Markets America Inc., Financial Square, 32 Old Slip, New York, New York 10005 (telephone 212-612-7000).

Ownership of Securities For "Ownership of Securities" information please visit BlueMatrix disclosure Link at <u>https://daiwa3.bluematrix.com/sellside/Disclosures.action.</u>

Investment Banking Relationships

For "Investment Banking Relationships" please visit BlueMatrix disclosure link at https://daiwa3.bluematrix.com/sellside/Disclosures.action.

DCMA Market Making For "DCMA Market Making" please visit BlueMatrix disclosure link at <u>https://daiwa3.bluematrix.com/sellside/Disclosures.action</u>.

Research Analyst Conflicts

<u>Research Analyst Conflicts</u> For updates on "Research Analyst Conflicts" please visit BlueMatrix disclosure link at <u>https://daiwa3.bluematrix.com/sellside/Disclosures.action</u>. The principal research analysts who prepared this report have no financial interest in securities of the issuers covered in the report, are not (nor are any members of their household) an officer, director or advisory board member of the issuer(s) covered in the report, and are not aware of any material relevant conflict of interest involving the analyst or DCMA, and did not receive any compensation from the issuer during the past 12 months except as noted: no exceptions.

Research Analyst Certification For updates on "Research Analyst Certification" and "Rating System" please visit BlueMatrix disclosure link at https://daiwa3.bluematrix.com/selside/Disclosures.action. The views about any and all of the subject securities and issuers expressed in this Research Report accurately reflect the personal views of the research analyst(s) primarily responsible for this report (or the views of the firm producing the report if no individual analysts[s] is named on the report); and no part of the compensation of such analyst(s) (or no part of the compensation of such analyst(s)] is named on the report) was, is, or will be directly or indirectly related to the specific recommendations or views contained in this Research Report.

The following explains the rating system in the report as compared to relevant local indices, unless otherwise stated, based on the beliefs of the author of the report.

"1": the security could outperform the local index by more than 15% over the next 12 months.

- "2": the security is expected to outperform the local index by more than 15% over the next 12 months. "2": the security is expected to outperform the local index by 5-15% over the next 12 months. "3": the security is expected to perform within 5% of the local index (better or worse) over the next 12 months. "4": the security is expected to underperform the local index by 5-15% over the next 12 months. "5": the security could underperform the local index by more than 15% over the next 12 months.

Additional information may be available upon request.

Japan - additional notification items pursuant to Article 37 of the Financial Instruments and Exchange Law (This Notification is only applicable where report is distributed by Daiwa Securities Co. Ltd.)

If you decide to enter into a business arrangement with us based on the information described in materials presented along with this document, we ask you to pay close attention to the following items

In addition to the purchase price of a financial instrument, we will collect a trading commission* for each transaction as agreed beforehand with you. Since commissions may be included in the purchase price or may not be charged for certain transactions, we recommend that you confirm the commission for each transaction.

• In some cases, we may also charge a maximum of ¥ 2 million (including tax) per year as a standing proxy fee for our deposit of your securities, if you are a non-resident of Japan.



- For derivative and margin transactions etc., we may require collateral or margin requirements in accordance with an agreement made beforehand with you. Ordinarily in such cases, the amount of the transaction will be in excess of the required collateral or margin requirements.
 There is a risk that you will incur losses on your transactions due to changes in the market price of financial instruments based on fluctuations in interest rates, exchange rates, stock prices, real estate prices, commodity prices, and others. In addition, depending on the content of the transaction, the loss could exceed the amount of the collateral or margin requirements.
 There may be a difference between bid price etc. and ask price etc. of OTC derivatives handled by us.
- Before engaging in any trading, please thoroughly confirm accounting and tax treatments regarding your trading in financial instruments with such experts as certified public accountants. *The amount of the trading commission cannot be stated here in advance because it will be determined between our company and you based on current market conditions and the content of • each transaction etc.

When making an actual transaction, please be sure to carefully read the materials presented to you prior to the execution of agreement, and to take responsibility for your own decisions regarding the signing of the agreement with us.

Corporate Name: Daiwa Securities Co. Ltd. Financial instruments firm: chief of Kanto Local Finance Bureau (Kin-sho) No.108 Japan Securities Dealers Association, The Financial Futures Association of Japan Japan Securities Investment Advisers Association Memberships: Type II Financial Instruments Firms Association