研究报告 Research Report

27 Oct 2022

中国平安 Ping An Insurance (601318 CH)

NBV 降幅收窄，地产敞口有所收缩
NBV Decline Narrowed, Property Exposure has Contracted

观点聚焦 Investment Focus

维持优于大市 Maintain OUTPERFORM

评级	优于大市 OUTPERFORM
现价	Rmb37.67
目标价	Rmb58.25
MSCI ESG 评级	BBB
义利评级	AA-

来源: MSCI ESG Research LLC, 盟浪. Reproduced by permission; no further distribution

市值	Rmb638.63bn / US$87.38bn
日交易额 (3 个月均值)	US$263.68mn
发行股票数目	10,833mn
自由流通股 (%)	81%
1 年股价最高最低值	Rmb55.59-Rmb37.67

注：现价 Rmb37.67 为 2022 年 10 月 26 日收盘价

资料来源： Factset

	1mth	3mth	12mth
绝对值	-10.4%	-10.2%	-25.2%
绝对值（美元）	-12.8%	-17.0%	-34.7%
相对 MSCI China	33.1%	34.5%	26.5%

(Rmb)	Dec-21A	Dec-22E	Dec-23E	Dec-24E
净利润 (¥ mn)	101,618	96,347	113,483	131,204
同比增速%	-29%	-5%	18%	16%
新业务价值 (¥ mn)	37,898	30,167	31,223	35,282
同比增速%	-24%	-20%	4%	13%
每股内含价值 (¥)	76.34	83.22	91.07	101
每股收益 (¥)	5.56	5.27	6.21	7.18
每股净资产 (¥)	44.44	47.40	51.56	56.40
市盈率	7	7	6	5

资料来源：公司信息, HTI

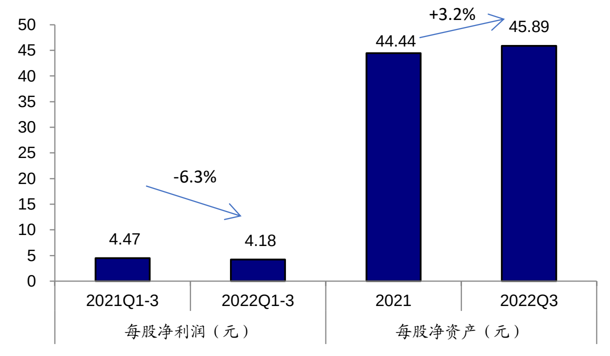
(Please see APPENDIX 1 for English summary)

- **【事件】平安公布 2022 年三季报：1）前三季度实现归母净利润为 765 亿元，同比-6.3%，Q3 单季同比-31.5%，主要受疫情冲击及资本市场波动影响。2）归母营运利润 1233 亿元，同比+3.8%，Q3 单季同比+2.8%。年化营运 ROE 达 19.9%。3）归母净资产 8388 亿元，较年初+3.2%，较中期-1.2%。**
- **利润：寿险、产险及资管板块前三季度净利润下滑。**1）公司寿险、产险、银行、资管板块前三季度归母净利润同比分别同比-9%、-21%、+26%、-53%，Q3 单季分别同比-57%、-17%、+26%、-69%。2）寿险业务前三季度归母营运利润同比+17%，Q3 单季同比+15%。
- **寿险：代理人质态持续优化，NBV 降幅较上半年继续收窄。**1）前三季度 NBV 同比-26.6%（可比口径下同比-18.9%），降幅较上半年的-28.5%有所收窄，Q1-Q3 分别同比-33.7%、-16.9%、-20.1%。2）首年保费同比-12.9%。前三季度 NBV margin 同比-4.9pct 至 25.8%。3）三季末代理人数量 48.8 万人，较年初-18.7%，较中期-6.0%。队伍结构持续优化，新增人力中“优+”占比同比提升 10.3pct，代理人人均 NBV 同比提升超 22%。4）渠道改革持续深化。银保渠道与平安银行深度融合，银保新优才队伍已招募超 1000 人。社区网格化渠道已在 25 个城市落地试点，组建超 4000 人的高素质精英队伍，试点“孤儿单”13 个月保单继续率同比提升超 17 个百分点。5）医疗健康生态圈战略持续推进。截至 Q3 末，公司医疗健康生态圈已实现国内百强医院和三甲医院 100%合作覆盖，平安自有医生团队与外部签约医生的人数超 5 万人，合作药店数约 21.1 万家。
- **产险：非车险保费快速增长，综合成本率同比提高。**1）前三季度车险、非车险、意健险保费分别同比+7.5%、+21.3%、+14.4%，Q3 单季分别同比+8.0%、+43.6%、-6.4%。2）综合成本率同比+0.6pct 至 97.9%，与行业趋势反向，我们预计主要是受信保业务影响。
- **投资：总投资收益率有所下滑，地产敞口收缩，非标占比亦下降。**1）截止三季末，投资规模超 4.29 万亿，较年初增长 9.6%。2）前三季度年化净投资收益率 4.2%，同比持平；总投资收益率 2.7%，同比-1pct。3）债权计划及理财产品的占比较年初-1.3pct 至 10.4%。不动产投资占比 4.8%，较年中-0.4pct，其中物权、股权、债权分别占比 56%、23%和 21%。
- **估值仍低，“优于大市”评级。**我们看好公司寿险改革成果逐步释放、队伍质态持续改善，预计伴随宏观经济好转，保险消费需求回暖亦将有利于行业保费复苏。截至 2022 年 10 月 26 日，公司股价对应 2022E PEV 0.45x。我们维持目标价 58.25 元（基于 0.7 倍 2022E PEV）以及“优于大市”的评级。
- **风险提示：长端利率趋势性下行；保障型产品保费增长不达预期。**

孙婷 Ting Sun
ting.sun@htisec.com

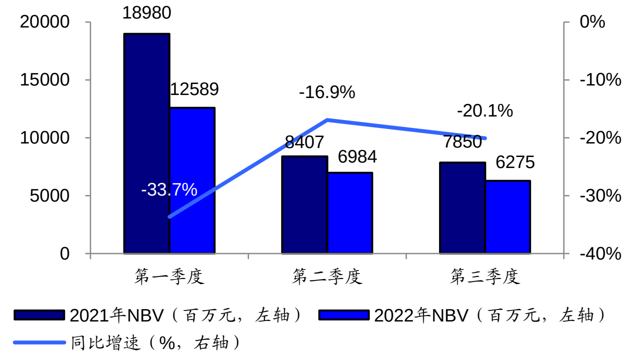
Wangjie OU
wj.ou@htisec.com

图1 每股净利润与每股净资产变动图



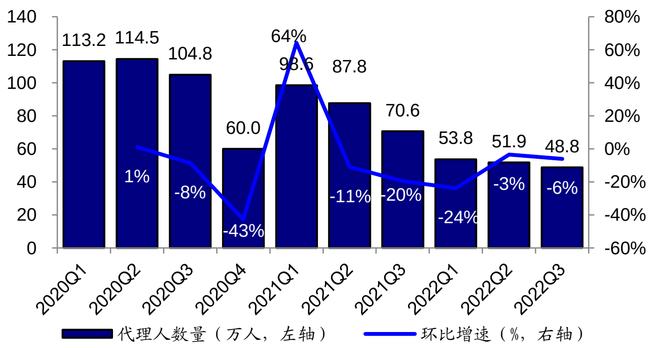
资料来源：中国平安 2021 年年报、2022 年三季报，HTI

图2 中国平安 2022Q3 NBV 同比降幅较 Q2 略有扩大



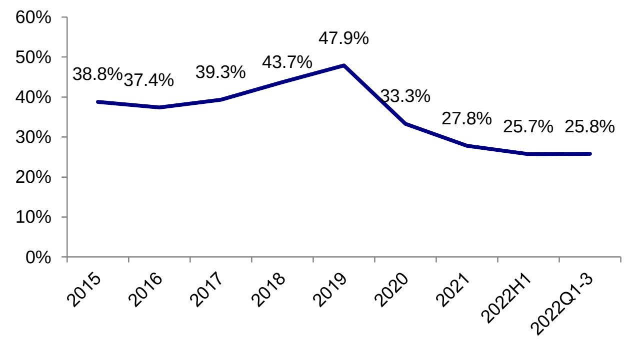
资料来源：中国平安 2022 年一季报、中报、三季报，HTI

图3 中国平安代理人规模季度环比仍处下降趋势



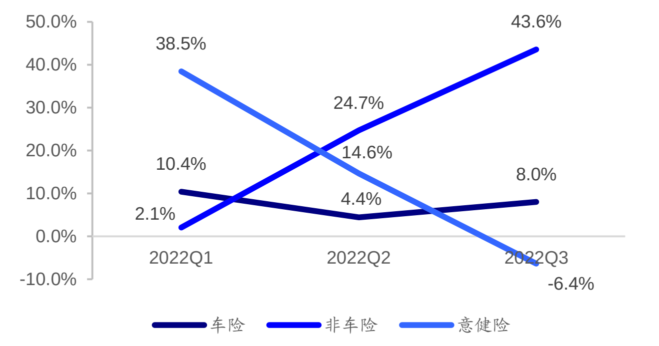
资料来源：中国平安 2020-2022 年年报、中报、季报，HTI

图4 中国平安 2019 年以来 NBV margin 持续下滑



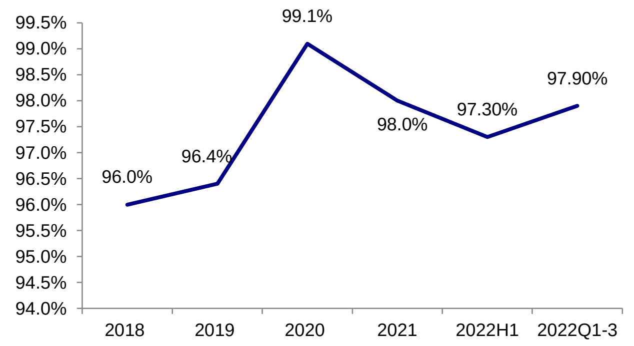
资料来源：中国平安 2015-2021 年年报、2022 年中报、三季报，HTI

图5 平安产险分险种季度保费同比增速情况



资料来源：中国平安 2022 年一季报、中报、三季报，HTI

图6 中国平安产险综合成本率变动情况



资料来源：中国平安 2018-2020 年年报、2021 年中报、三季报，HTI

表 1 上市保险公司估值及盈利预测

证券简称	价格（元）	EV（元）				1YrVNB（元）			
A 股	人民币	2020	2021	2022E	2023E	2020	2021	2022E	2023E
中国平安-A	37.67	72.65	76.34	83.22	91.07	2.71	2.07	1.65	1.71
中国人寿-A	28.26	37.93	42.56	47.07	51.91	2.07	1.58	1.43	1.64
新华保险-A	24.14	77.13	82.97	86.19	93.95	2.94	1.92	1.19	1.31
中国太保-A	18.62	47.75	51.80	57.21	64.69	1.85	1.39	0.91	0.99
中国人保-A	4.95	5.69	6.25	6.93	7.72	0.14	0.09	0.08	0.09
证券简称	价格	P/EV（倍）				VNBX（倍）			
A 股	人民币	2020	2021	2022E	2023E	2020	2021	2022E	2023E
中国平安-A	37.67	0.52	0.49	0.45	0.41	-12.91	-18.65	-27.60	-31.26
中国人寿-A	28.26	0.75	0.66	0.60	0.54	-4.68	-9.03	-13.19	-14.42
新华保险-A	24.14	0.31	0.29	0.28	0.26	-18.00	-30.69	-52.21	-53.40
中国太保-A	18.62	0.39	0.36	0.33	0.29	-15.71	-23.87	-42.41	-46.54
中国人保-A	4.95	0.87	0.79	0.71	0.64	-5.35	-14.44	-24.75	-30.78
证券简称	价格	EPS（元）				BVPS（元）			
A 股	人民币	2020	2021	2022E	2023E	2020	2021	2022E	2023E
中国平安-A	37.67	7.83	5.56	5.27	6.21	41.71	44.44	47.40	51.56
中国人寿-A	28.26	1.78	1.80	1.34	1.52	15.92	16.93	17.80	19.00
新华保险-A	24.14	4.58	4.79	2.87	4.56	32.59	34.78	36.36	38.60
中国太保-A	18.62	2.56	2.79	2.35	2.81	22.37	23.57	24.26	26.76
中国人保-A	4.95	0.45	0.49	0.54	0.63	4.57	4.96	5.29	5.80
证券简称	价格	P/E（倍）				P/B（倍）			
A 股	人民币	2020	2021	2022E	2023E	2020	2021	2022E	2023E
中国平安-A	37.67	4.81	6.78	7.15	6.07	0.90	0.85	0.79	0.73
中国人寿-A	28.26	15.89	15.69	21.02	18.63	1.77	1.67	1.59	1.49
新华保险-A	24.14	5.27	5.04	8.40	5.29	0.74	0.69	0.66	0.63
中国太保-A	18.62	7.29	6.67	7.92	6.63	0.83	0.79	0.77	0.70
中国人保-A	4.95	10.91	10.10	9.17	7.86	1.08	1.00	0.94	0.85

资料来源：保险公司历年财报，WIND，HTI（基于 2022 年 10 月 26 日收盘价）

财务报表分析和预测

主要财务指标	2021	2022E	2023E	2024E
每股指标（元）				
每股收益	5.56	5.27	6.21	7.18
每股净资产	44.44	47.40	51.56	56.40
每股内含价值	76.34	83.22	91.07	100.53
每股新业务价值	2.07	1.65	1.71	1.93
价值评估（倍）				
P/E	6.78	7.15	6.07	5.25
P/B	0.85	0.79	0.73	0.67
P/EV	0.49	0.45	0.41	0.37
VNBX	-18.65	-27.60	-31.26	-32.57
盈利能力指标（%）				
净投资收益率	4.60%	5.12%	5.10%	5.00%
总投资收益率	4.00%	5.60%	5.76%	5.74%
净资产收益率	12.51%	11.12%	12.04%	12.73%
总资产收益率	1.00%	0.86%	0.95%	1.04%
财险综合成本率	98.00%	98.15%	99.00%	98.75%
财险赔付率	67.00%	66.42%	67.48%	67.35%
财险费用率	31.00%	31.72%	31.52%	31.40%
盈利增长（%）				
净利润增长率	-28.99%	-5.19%	17.79%	15.62%
内含价值增长率	5.07%	9.01%	9.43%	10.39%
新业务价值增长率	-23.55%	-20.40%	3.50%	13.00%
偿付能力充足率（%）				
偿付能力充足率（集团）	230%	235%	235%	235%
偿付能力充足率（寿险）	240%	245%	245%	245%
偿付能力充足率（产险）	250%	254%	254%	254%
内含价值（百万元）				
调整后净资产	869639	1000085	1150098	1322612
有效业务价值	525869	521220	514644	515112
内含价值	1395508	1521305	1664742	1837724
一年新业务价值	37898	30167	31223	35282
核心内含价值回报率（%）	26%	26%	26%	26%
寿险新业务保费（百万元）				
趸缴新单保费	-	-	-	-
期缴新单保费	-	-	-	-
新业务合计	150,074	163,281	177,360	192,723
新业务保费增长率（%）	-4.8%	8.8%	8.6%	8.7%
标准保费	-	-	-	-
标准保费增长率（%）	-	-	-	-

利润表（百万元）	2021	2022E	2023E	2024E
寿险保费	567281	630096	691580	759294
非寿险保费	270553	307078	337785	364808
总保费及管理费收入	837834	937174	1029365	1124103
减：分出保费	30208	33553	36827	40433
净保费收入	807626	903621	992538	1083670
减：净提取未到期责任准备金	(9298)	43706	34589	32311
已赚净保费	816924	859915	957949	1051359
投资收益	103378	89939	112424	131536
营业收入	**1180444**	**1211977**	**1328955**	**1454705**
赔付及保户利益	588600	617582	656631	718790
保险业务综合费用	452159	450808	493971	535403
营业费用	**1040759**	**1068390**	**1150603**	**1254193**
营业利润	**139685**	**143586**	**178352**	**200512**
税前利润	**139580**	**143586**	**178352**	**200512**
所得税	17778	21538	26753	30077
归属于母公司股东的净利润	**101618**	**96347**	**113483**	**131204**
少数股东损益	20184	25702	38117	39231

资产负债表（百万元）	2021	2022E	2023E	2024E
现金及存款投资	319179	425125	463240	504837
债权投资	2806957	2720801	2964734	3230954
股权投资	504841	807738	880155	959189
其他投资	285435	297588	324268	353386
总投资资产	3916412	4251252	4632397	5048365
分保资产	43128	45716	48459	51366
其他资产	6182486	6870449	7298214	7479190
资产总计	**10142026**	**11167417**	**11979070**	**12578921**
保险合同负债	2473134	2724549	2986143	3281062
投资合同负债	825057	919571	1023308	1137202
次级债	1097523	1097523	1097523	1097523
其他负债	4668589	5267754	5599518	5662300
负债总计	**9064303**	**10009397**	**10706492**	**11178087**
实收资本	18280	18280	18280	18280
归属于母公司股东权益	812405	866500	942442	1030967
少数股东权益	265318	291520	330136	369867
负债和所有者权益合计	**10142026**	**11167417**	**11979070**	**12578921**

备注：表中计算估值指标的收盘价日期为 10 月 26 日
资料来源：公司年报（2021），HTI

APPENDIX 1

Summary

- [Event] China PingAn announced the third quarter of 2022: 1) the first three quarters of net profit of Rmb76.5 billion, -6.3% YoY, Q3 quarter -31.5% YoY, mainly affected by the impact of the epidemic and capital market volatility. 2) Operating profit attributable to parent was Rmb123.3 billion, +3.8% YoY, +2.8% YoY in Q3. Annualized operating ROE reached 19.9%. 3) Net assets attributable to parent are Rmb838.8 billion, +3.2% compared with the beginning of the year and -1.2% compared with the middle period.

- Valuations remain low, with an "outperform" rating. We are optimistic about the gradual release of the results of the company's life insurance reform and the continuous improvement of the quality of the team. It is expected that with the improvement of the macro economy, the recovery of insurance consumption demand will also be conducive to the recovery of industry premiums. As of October 26, 2022, the Company's share price corresponds to 2022E PEV 0.45X. We maintain the target price of Rmb58.25 on 0.7x 2022 PEV and the OUTPERFORM rating.

- Risk: Long-term interest rate trend downward; Protection product premium growth does not reach expectations.

附录 APPENDIX

重要信息披露

本研究报告由海通国际分销，海通国际是由海通国际研究有限公司(HTIRL)，Haitong Securities India Private Limited (HSIPL)，Haitong International Japan K.K. (HTIJKK)和海通国际证券有限公司(HTISCL)的证券研究团队所组成的全球品牌，海通国际证券集团(HTISG)各成员分别在其许可的司法管辖区内从事证券活动。

IMPORTANT DISCLOSURES

This research report is distributed by Haitong International, a global brand name for the equity research teams of Haitong International Research Limited (“HTIRL”), Haitong Securities India Private Limited (“HSIPL”), Haitong International Japan K.K. (“HTIJKK”), Haitong International Securities Company Limited (“HTISCL”), and any other members within the Haitong International Securities Group of Companies (“HTISG”), each authorized to engage in securities activities in its respective jurisdiction.

HTIRL 分析师认证 Analyst Certification:

我， 孙婷，在此保证（i）本研究报告中的意见准确反映了我们对本研究中提及的任何或所有目标公司或上市公司的个人观点，并且（ii）我的报酬中没有任何部分与本研究报告中表达的具体建议或观点直接或间接相关；及就此报告中所讨论目标公司的证券，我们（包括我们的家属）在其中均不持有任何财务利益。I, Ting Sun, certify that (i) the views expressed in this research report accurately reflect my personal views about any or all of the subject companies or issuers referred to in this research and (ii) no part of my compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this research report; and that I (including members of my household) have no financial interest in the security or securities of the subject companies discussed.

我， Wangjie OU，在此保证（i）本研究报告中的意见准确反映了我们对本研究中提及的任何或所有目标公司或上市公司的个人观点，并且（ii）我的报酬中没有任何部分与本研究报告中表达的具体建议或观点直接或间接相关；及就此报告中所讨论目标公司的证券，我们（包括我们的家属）在其中均不持有任何财务利益。I, Wangjie OU, certify that (i) the views expressed in this research report accurately reflect my personal views about any or all of the subject companies or issuers referred to in this research and (ii) no part of my compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this research report; and that I (including members of my household) have no financial interest in the security or securities of the subject companies discussed.

利益冲突披露 Conflict of Interest Disclosures

海通国际及其某些关联公司可从事投资银行业务和/或对本研究中的特定股票或公司进行做市或持有自营头寸。就本研究报告而言，以下是有关该等关系的披露事项（以下披露不能保证及时无遗漏，如需了解及时全面信息，请发邮件至 ERD-Disclosure@htisec.com）

HTI and some of its affiliates may engage in investment banking and / or serve as a market maker or hold proprietary trading positions of certain stocks or companies in this research report. As far as this research report is concerned, the following are the disclosure matters related to such relationship (As the following disclosure does not ensure timeliness and completeness, please send an email to ERD-Disclosure@htisec.com if timely and comprehensive information is needed).

海通证券股份有限公司和/或其子公司（统称“海通”）在过去 12 个月内参与了 600340.CH and 601319.CH 的投资银行项目。投资银行项目包括：1、海通担任上市前辅导机构、保荐人或主承销商的首次公开发行项目；2、海通作为保荐人、主承销商或财务顾问的股权或债务再融资项目；3、海通作为主经纪商的新三板上市、目标配售和并购项目。

Haitong Securities Co., Ltd. and/or its subsidiaries (collectively, the "Haitong") have a role in investment banking projects of 600340.CH and 601319.CH within the past 12 months. The investment banking projects include 1. IPO projects in which Haitong acted as pre-listing tutor, sponsor, or lead-underwriter; 2. equity or debt refinancing projects of 600340.CH and 601319.CH for which Haitong acted as sponsor, lead-underwriter or financial advisor; 3. listing by introduction in the new three board, target placement, M&A projects in which Haitong acted as lead-brokerage firm.

600340.CH 及 601319.CH 目前或过去 12 个月内是海通的投资银行业务客户。

600340.CH and 601319.CH are/were an investment bank clients of Haitong currently or within the past 12 months.

平安资产管理有限责任公司, 601628.CH, 601336.CH, 601601.CH 及 601319.CH 目前或过去 12 个月内是海通的客户。海通向客户提供非投资银行业务的证券相关业务服务。

平安资产管理有限责任公司, 601628.CH, 601336.CH, 601601.CH and 601319.CH are/were a client of Haitong currently or within the past 12 months. The client has been provided for non-investment-banking securities-related services.

海通在过去 12 个月中获得对 600340.CH 提供投资银行服务的报酬。

Haitong received in the past 12 months compensation for investment banking services provided to 600340.CH.

海通预计将（或者有意向）在未来三个月内从 600340.CH 获得投资银行服务报酬。

Haitong expects to receive, or intends to seek, compensation for investment banking services in the next three months from 600340.CH.

海通在过去的 12 个月中从平安资产管理有限责任公司, 601628.CH, 601336.CH, 601601.CH 及 601319.CH 获得除投资银行服务以外之产品或服务的报酬。

Haitong has received compensation in the past 12 months for products or services other than investment banking from 平安资产管理有限责任公司, 601628.CH, 601336.CH, 601601.CH and 601319.CH.

海通担任 601318.CH, 1833.HK, 601628.CH, 601336.CH 及 601601.CH 有关证券的做市商或流通量提供者。

Haitong acts as a market maker or liquidity provider in the securities of 601318.CH, 1833.HK, 601628.CH, 601336.CH and 601601.CH.

评级定义（从 2020 年 7 月 1 日开始执行）：

海通国际（以下简称“HTI”）采用相对评级系统来为投资者推荐我们覆盖的公司：优于大市、中性或弱于大市。投资者应仔细阅读 HTI 的评级定义。并且 HTI 发布分析师观点的完整信息，投资者应仔细阅读全文而非仅看评级。在任何情况下，分析师的评级和研究都不能作为投资建议。投资者的买卖股票的决策应基于各自情况（比如投资者的现有持仓）以及其他因素。

分析师股票评级

优于大市，未来 12-18 个月内预期相对基准指数涨幅在 10%以上，基准定义如下

中性，未来 12-18 个月内预期相对基准指数变化不大，基准定义如下。根据 FINRA/NYSE 的评级分布规则，我们会将中性评级划入持有这一类别。

弱于大市，未来 12-18 个月内预期相对基准指数跌幅在 10%以上，基准定义如下

各地股票基准指数：日本 – TOPIX, 韩国 – KOSPI, 台湾 – TAIEX, 印度 – Nifty100, 美国 – SP500; 其他所有中国概念股 – MSCI China.

Ratings Definitions (from 1 Jul 2020):

Haitong International uses a relative rating system using Outperform, Neutral, or Underperform for recommending the stocks we cover to investors. Investors should carefully read the definitions of all ratings used in Haitong International Research. In addition, since Haitong International Research contains more complete information concerning the analyst's views, investors should carefully read Haitong International Research, in its entirety, and not infer the contents from the rating alone. In any case, ratings (or research) should not be used or relied upon as investment advice. An investor's decision to buy or sell a stock should depend on individual circumstances (such as the investor's existing holdings) and other considerations.

Analyst Stock Ratings

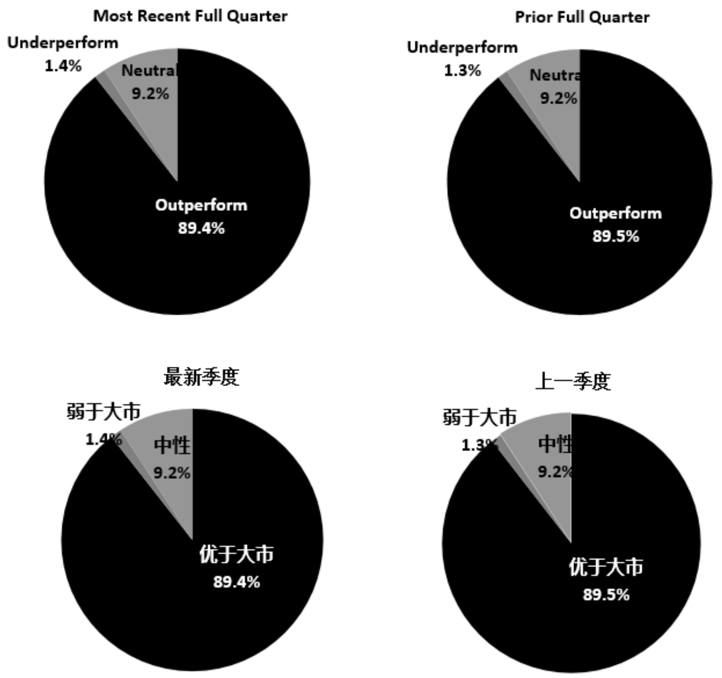
Outperform: The stock's total return over the next 12-18 months is expected to exceed the return of its relevant broad market benchmark, as indicated below.

Neutral: The stock's total return over the next 12-18 months is expected to be in line with the return of its relevant broad market benchmark, as indicated below. For purposes only of FINRA/NYSE ratings distribution rules, our Neutral rating falls into a hold rating category.

Underperform: The stock's total return over the next 12-18 months is expected to be below the return of its relevant broad market benchmark, as indicated below.

Benchmarks for each stock's listed region are as follows: Japan – TOPIX, Korea – KOSPI, Taiwan – TAIEX, India – Nifty100, US – SP500; for all other China-concept stocks – MSCI China.

评级分布 Rating Distribution



截至 2022 年 9 月 30 日海通国际股票研究评级分布

	优于大市	中性 (持有)	弱于大市
海通国际股票研究覆盖率	89.4%	9.2%	1.4%
投资银行客户*	5.5%	6.8%	4.5%

*在每个评级类别里投资银行客户所占的百分比。

上述分布中的买入，中性和卖出分别对应我们当前优于大市，中性和落后大市评级。

只有根据 FINRA/NYSE 的评级分布规则，我们才将中性评级划入持有这一类别。请注意在上表中不包含非评级的股票。

此前的评级系统定义（直至 2020 年 6 月 30 日）：

买入，未来 12-18 个月内预期相对基准指数涨幅在 10%以上，基准定义如下

中性，未来 12-18 个月内预期相对基准指数变化不大，基准定义如下。根据 FINRA/NYSE 的评级分布规则，我们会将中性评级划入持有这一类别。

卖出，未来 12-18 个月内预期相对基准指数跌幅在 10%以上，基准定义如下

各地股票基准指数：日本 – TOPIX, 韩国 – KOSPI, 台湾 – TAIEX, 印度 – Nifty100; 其他所有中国概念股 – MSCI China.

Haitong International Equity Research Ratings Distribution, as of Sep 30, 2022

	Outperform	Neutral (hold)	Underperform
HTI Equity Research Coverage	89.4%	9.2%	1.4%
IB clients*	5.5%	6.8%	4.5%

*Percentage of investment banking clients in each rating category.

BUY, Neutral, and SELL in the above distribution correspond to our current ratings of Outperform, Neutral, and Underperform.

For purposes only of FINRA/NYSE ratings distribution rules, our Neutral rating falls into a hold rating category. Please note that stocks with an NR designation are not included in the table above.

Previous rating system definitions (until 30 Jun 2020):

BUY: The stock's total return over the next 12-18 months is expected to exceed the return of its relevant broad market benchmark, as indicated below.

NEUTRAL: The stock's total return over the next 12-18 months is expected to be in line with the return of its relevant broad market benchmark, as indicated below. For purposes only of FINRA/NYSE ratings distribution rules, our Neutral rating falls into a hold rating category.

SELL: The stock's total return over the next 12-18 months is expected to be below the return of its relevant broad market benchmark, as indicated below.

Benchmarks for each stock's listed region are as follows: Japan – TOPIX, Korea – KOSPI, Taiwan – TAIEX, India – Nifty100; for all other China-concept stocks – MSCI China.

海通国际非评级研究：海通国际发布计量、筛选或短篇报告，并在报告中根据估值和其他指标对股票进行排名，或者基于可能的估值倍数提出建议价格。这种排名或建议价格并非为了进行股票评级、提出目标价格或进行基本面估值，而仅供参考使用。

Haitong International Non-Rated Research: Haitong International publishes quantitative, screening or short reports which may rank stocks according to valuation and other metrics or may suggest prices based on possible valuation multiples. Such rankings or suggested prices do not purport to be stock ratings or target prices or fundamental values and are for information only.

海通国际 A 股覆盖：海通国际可能会就沪港通及深港通的中国 A 股进行覆盖及评级。海通证券（600837.CH），海通国际于上海的母公司，也会于中国发布中国 A 股的研究报告。但是，海通国际使用与海通证券不同的评级系统，所以海通国际与海通证券的中国 A 股评级可能有所不同。

Haitong International Coverage of A-Shares: Haitong International may cover and rate A-Shares that are subject to the Hong Kong Stock Connect scheme with Shanghai and Shenzhen. Haitong Securities (HS; 600837 CH), the ultimate parent company of HTISG based in Shanghai, covers and publishes research on these same A-Shares for distribution in mainland China. However, the rating system employed by HS differs from that used by HTI and as a result there may be a difference in the HTI and HS ratings for the same A-share stocks.

海通国际优质 100 A 股（Q100）指数：海通国际 Q100 指数是一个包括 100 支由海通证券覆盖的优质中国 A 股的计量产品。这些股票是通过基于质量的筛选过程，并结合对海通证券 A 股团队自下而上的研究。海通国际每季对 Q100 指数成分作出复审。

Haitong International Quality 100 A-share (Q100) Index: HTI's Q100 Index is a quant product that consists of 100 of the highest-quality A-shares under coverage at HS in Shanghai. These stocks are carefully selected through a quality-based screening process in combination with a review of the HS A-share team's bottom-up research. The Q100 constituent companies are reviewed quarterly.

MSCI ESG 评级免责声明条款：尽管海通国际的信息供货商（包括但不限于 MSCI ESG Research LLC 及其联属公司（「ESG 方」）从其认为可靠的来源获取信息（「信息」），ESG 方均不担保或保证此处任何数据的原创性，准确性和/或完整性，并明确表示不作出任何明示或默示的担保，包括可商售性和针对特定目的的适用性。该信息只能供阁下内部使用，不得以任何形式复制或重新传播，并不得用作任何金融工具、产品或指数的基础或组成部分。此外，信息本质上不能用于判断购买或出售何种证券，或何时购买或出售该证券。即使已被告知可能造成的损害，ESG 方均不承担与此处任何资料有关的任何错误或遗漏所引起的任何责任，也不对任何直接、间接、特殊、惩罚性、附带性或任何其他损害赔偿（包括利润损失）承担任何责任。

MSCI ESG Disclaimer: Although Haitong International's information providers, including without limitation, MSCI ESG Research LLC and its affiliates (the "ESG Parties"), obtain information (the "Information") from sources they consider reliable, none of the ESG Parties warrants or guarantees the originality, accuracy and/or completeness, of any data herein and expressly disclaim all express or implied warranties, including those of merchantability and fitness for a particular purpose. The Information may only be used for your internal use, may not be reproduced or redisseminated in any form and may not be used as a basis for, or a component of, any financial instruments or products or indices. Further, none of the Information can in and of itself be used to determine which securities to buy or sell or when to buy or sell them. None of the ESG Parties shall have any liability for any errors or omissions in connection with any data herein, or any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

盟浪义利（FIN-ESG）数据通免责声明条款：在使用盟浪义利（FIN-ESG）数据之前，请务必仔细阅读本条款并同意本声明：

第一条 义利（FIN-ESG）数据系由盟浪可持续数字科技有限责任公司（以下简称"本公司"）基于合法取得的公开信息评估而成，本公司对信息的准确性及完整性不作任何保证。对公司的评估结果仅供参考，并不构成对任何个人或机构投资建议，也不能作为任何个人或机构购买、出售或持有相关金融产品的依据。本公司不对任何个人或机构投资者因使用本数据表述的评估结果造成的任何直接或间接损失负责。

第二条 盟浪并不因收到此评估数据而将收件人视为客户，收件人使用此数据时应根据自身实际情况作出自我独立判断。本数据所载内容反映的是盟浪在最初发布本数据日期当日的判断，盟浪有权在不发出通知的情况下更新、修订与发出其他与本数据所载内容不一致或有不同结论的数据。除非另行说明，本数据（如财务业绩数据等）仅代表过往表现，过往的业绩表现不作为日后回报的预测。

第三条 本数据版权归本公司所有，本公司依法保留各项权利。未经本公司事先书面许可授权，任何个人或机构不得将本数据中的评估结果用于任何营利性目的，不得对本数据进行修改、复制、编译、汇编、再次编辑、改编、删减、缩写、节选、发行、出租、展览、表演、放映、广播、信息网络传播、摄制、增加图标及说明等，否则因此给盟浪或其他第三方造成损失的，由用户承担相应的赔偿责任，盟浪不承担责任。

第四条 如本免责声明未约定，而盟浪网站平台载明的其他协议内容（如《盟浪网站用户注册协议》《盟浪网用户服务（含认证）协议》《盟浪网隐私政策》等）有约定的，则按其他协议的约定执行；若本免责声明与其他协议约定存在冲突或不一致的，则以本免责声明约定为准。

SusallWave FIN-ESG Data Service Disclaimer: Please read these terms and conditions below carefully and confirm your agreement and acceptance with these terms before using SusallWave FIN-ESG Data Service.

1. FIN-ESG Data is produced by SusallWave Digital Technology Co., Ltd. (In short, SusallWave)'s assessment based on legal publicly accessible information. SusallWave shall not be responsible for any accuracy and completeness of the information. The assessment result is for reference only. It is not for any investment advice for any individual or institution and not for basis of purchasing, selling or holding any relative financial products. We will not be liable for any direct or indirect loss of any individual or institution as a result of using SusallWave FIN-ESG Data.

2. SusallWave do not consider recipients as customers for receiving these data. When using the data, recipients shall make your own independent judgment according to your practical individual status. The contents of the data reflect the judgment of us only on the release day. We have right to update and amend the data and release other data that contains inconsistent contents or different conclusions without notification. Unless expressly stated, the data (e.g., financial performance data) represents past performance only and the past performance cannot be viewed as the prediction of future return.

3. The copyright of this data belongs to SusallWave, and we reserve all rights in accordance with the law. Without the prior written permission of our company, none of individual or institution can use these data for any profitable purpose. Besides, none of individual or institution can take actions such as amendment, replication, translation, compilation, re-editing, adaption, deletion, abbreviation, excerpts, issuance, rent, exhibition, performance, projection, broadcast, information network transmission, shooting, adding icons and instructions. If any loss of SusallWave or any third-party is caused by those actions, users shall bear the corresponding compensation liability. SusallWave shall not be responsible for any loss.

4. If any term is not contained in this disclaimer but written in other agreements on our website (e.g. *User Registration Protocol of SusallWave Website, User Service (including authentication) Agreement of SusallWave Website, Privacy Policy of Susallwave Website*), it should be executed according to other agreements. If there is any difference between this disclaim and other agreements, this disclaimer shall be applied.

重要免责声明：

非印度证券的研究报告：本报告由海通国际证券集团有限公司（“HTISGL”）的全资附属公司海通国际研究有限公司（“HTIRL”）发行，该公司是根据香港证券及期货条例（第571章）持有第4类受规管活动（就证券提供意见）的持牌法团。该研究报告在HTISGL的全资附属公司Haitong International (Japan) K.K.（“HTIJKK”）的协助下发行，HTIJKK是由日本关东财务局监管为投资顾问。

印度证券的研究报告：本报告由从事证券交易、投资银行及证券分析及受Securities and Exchange Board of India（“SEBI”）监管的Haitong Securities India Private Limited（“HTSIPL”）所发行，包括制作及发布涵盖BSE Limited（“BSE”）和National Stock Exchange of India Limited（“NSE”）上市公司（统称为「印度交易所」）的研究报告。HTSIPL于2016年12月22日被收购并成为海通国际证券集团有限公司（“HTISG”）的一部分。

所有研究报告均以海通国际为名作为全球品牌，经许可由海通国际证券股份有限公司及/或海通国际证券集团的其他成员在其司法管辖区发布。

本文件所载信息和观点已被编译或源自可靠来源，但HTIRL、HTISCL或任何其他属于海通国际证券集团有限公司（“HTISG”）的成员对其准确性、完整性和正确性不做任何明示或暗示的声明或保证。本文件中所有观点均截至本报告日期，如有更改，恕不另行通知。本文件仅供参考使用。文件中提及的任何公司或其股票的说明并非意图展示完整的内容，本文件并非/不应被解释为对证券买卖的明示或暗示地出价或征价。在某些司法管辖区，本文件中提及的证券可能无法进行买卖。如果投资产品以投资者本国货币以外的币种进行计价，则汇率变化可能会对投资产生不利影响。过去的表现并不一定代表将来的结果。某些特定交易，包括设计金融衍生工具的，有产生重大风险的可能性，因此并不适合所有的投资者。您还应认识到本文件中的建议并非为您量身定制。分析师并未考虑到您自身的财务情况，如您的财务状况和风险偏好。因此您必须自行分析并在适用的情况下咨询自己的法律、税收、会计、金融和其他方面的专业顾问，以期在投资之前评估该项建议是否适合于您。若由于使用本文件所载的材料而产生任何直接或间接的损失，HTISG及其董事、雇员或代理人对此均不承担任何责任。

除对本文内容承担责任的分析师除外，HTISG及我们的关联公司、高级管理人员、董事和雇员，均可不时作为主事人就本文件所述的任何证券或衍生品持有长仓或短仓以及进行买卖。HTISG的销售员、交易员和其他专业人士均可向HTISG的相关客户和公司提供与本文件所述意见相反的口头或书面市场评论意见或交易策略。HTISG可做出与本文件所述建议或意见不一致的投资决策。但HTIRL没有义务来确保本文件的收件人了解到该等交易决定、思路或建议。

请访问海通国际网站 www.equities.htisec.com，查阅更多有关海通国际为预防和避免利益冲突设立的组织和行政安排的内容信息。

非美国分析师披露信息：本项研究首页上列明的海通国际分析师并未在FINRA进行注册或者取得相应的资格，并且不受美国FINRA有关与本项研究目标公司进行沟通、公开露面和自营证券交易的第2241条规则之限制。

IMPORTANT DISCLAIMER

For research reports on non-Indian securities: The research report is issued by Haitong International Research Limited ("HTIRL"), a wholly owned subsidiary of Haitong International Securities Group Limited ("HTISGL") and a licensed corporation to carry on Type 4 regulated activity (advising on securities) for the purpose of the Securities and Futures Ordinance (Cap. 571) of Hong Kong, with the assistance of Haitong International (Japan) K.K. ("HTIJKK"), a wholly owned subsidiary of HTISGL and which is regulated as an Investment Adviser by the Kanto Finance Bureau of Japan.

For research reports on Indian securities: The research report is issued by Haitong Securities India Private Limited ("HSIPL"), an Indian company and a Securities and Exchange Board of India ("SEBI") registered Stock Broker, Merchant Banker and Research Analyst that, inter alia, produces and distributes research reports covering listed entities on the BSE Limited ("BSE") and the National Stock Exchange of India Limited ("NSE") (collectively referred to as "Indian Exchanges"). HSIPL was acquired and became part of the Haitong International Securities Group of Companies ("HTISG") on 22 December 2016.

All the research reports are globally branded under the name Haitong International and approved for distribution by Haitong International Securities Company Limited ("HTISCL") and/or any other members within HTISG in their respective jurisdictions.

The information and opinions contained in this research report have been compiled or arrived at from sources believed to be reliable and in good faith but no representation or warranty, express or implied, is made by HTIRL, HTISCL, HSIPL, HTIJKK or any other members within HTISG from which this research report may be received, as to their accuracy, completeness or correctness. All opinions expressed herein are as of the date of this research report and are subject to change without notice. This research report is for information purpose only. Descriptions of any companies or their securities mentioned herein are not intended to be complete and this research report is not, and should not be construed expressly or impliedly as, an offer to buy or sell securities. The securities referred to in this research report may not be eligible for purchase or sale in some jurisdictions. If an investment product is denominated in a currency other than an investor's home currency, a change in exchange rates may adversely affect the investment. Past performance is not necessarily indicative of future results. Certain transactions, including those involving derivatives, give rise to substantial risk and are not suitable for all investors. You should also bear in mind that recommendations in this research report are not tailor-made for you. The analyst has not taken into account your unique financial circumstances, such as your financial situation and risk appetite. You must, therefore, analyze and should, where applicable, consult your own legal, tax, accounting, financial and other professional advisers to evaluate whether the recommendations suits you before investment. Neither HTISG nor any of its directors, employees or agents accepts any liability whatsoever for any direct or consequential loss arising from any use of the materials contained in this research report.

HTISG and our affiliates, officers, directors, and employees, excluding the analysts responsible for the content of this document, will from time to time have long or short positions in, act as principal in, and buy or sell, the securities or derivatives, if any, referred to in this research report. Sales, traders, and other professionals of HTISG may provide oral or written market commentary or trading strategies to the relevant clients and the companies within HTISG that reflect opinions that are contrary to the opinions expressed in this research report. HTISG may make investment decisions that are inconsistent with the recommendations or views expressed in this research report. HTI is under no obligation to ensure that such other trading decisions, ideas or recommendations are brought to the attention of any recipient of this research report.

Please refer to HTI's website www.equities.htisec.com for further information on HTI's organizational and administrative arrangements set up for the prevention and avoidance of conflicts of interest with respect to Research.

Non U.S. Analyst Disclosure: The HTI analyst(s) listed on the cover of this Research is (are) not registered or qualified as a research analyst with FINRA and are not subject to U.S. FINRA Rule 2241 restrictions on communications with companies that are the subject of the Research; public appearances; and trading securities by a research analyst.

分发和地区通知:

除非下文另有规定，否则任何希望讨论本报告或者就本项研究中讨论的任何证券进行任何交易的收件人均应联系其所在国家或地区的海通国际销售人员。

香港投资者的通知事项: 海通国际证券股份有限公司("HTISCL")负责分发该研究报告，HTISCL 是在香港有权实施第 1 类受规管活动（从事证券交易）的持牌公司。该研究报告并不构成《证券及期货条例》（香港法例第 571 章）（以下简称"SFO"）所界定的要约邀请，证券要约或公众要约。本研究报告仅提供给 SFO 所界定的"专业投资者"。本研究报告未经过证券及期货事务监察委员会的审查。您不应仅根据本研究报告中所载的信息做出投资决定。本研究报告的收件人就研究报告中产生或与之相关的任何事宜请联系 HTISCL 销售人员。

美国投资者的通知事项: 本研究报告由 HTIRL，HSIPL 或 HTIJKK 编写。 HTIRL，HSIPL，HTIJKK 以及任何非 HTISG 美国联营公司，均未在美国注册，因此不受美国关于研究报告编制和研究分析人员独立性规定的约束。本研究报告提供给依照 1934 年"美国证券交易法"第 15a-6 条规定的豁免注册的「美国主要机构投资者」（"Major U.S. Institutional Investor"）和「机构投资者」（"U.S. Institutional Investors"）。在向美国机构投资者分发研究报告时，Haitong International Securities (USA) Inc.（"HTI USA"）将对报告的内容负责。任何收到本研究报告的美国投资者，希望根据本研究报告提供的信息进行任何证券或相关金融工具买卖的交易，只能通过 HTI USA。HTI USA 位于 340 Madison Avenue, 12th Floor, New York, NY 10173，电话（212）351-6050。 HTI USA 是在美国于 U.S. Securities and Exchange Commission（"SEC"）注册的经纪商，也是 Financial Industry Regulatory Authority, Inc.（"FINRA"）的成员。 HTIUSA 不负责编写本研究报告，也不负责其中包含的分析。在任何情况下，收到本研究报告的任何美国投资者，不得直接与分析师直接联系，也不得通过 HSIPL，HTIRL 或 HTIJKK 直接进行买卖证券或相关金融工具的交易。本研究报告中出现的 HSIPL，HTIRL 或 HTIJKK 分析师没有注册或具备 FINRA 的研究分析师资格，因此可能不受 FINRA 第 2241 条规定的与目标公司的交流，公开露面和分析师账户持有的交易证券等限制。投资本研究报告中讨论的任何非美国证券或相关金融工具（包括 ADR）可能存在一定风险。非美国发行的证券可能没有注册，或不受美国法规的约束。有关非美国证券或相关金融工具的信息可能有限制。外国公司可能不受审计和汇报的标准以及与美国境内生效相符的监管要求。本研究报告中以美元以外的其他货币计价的任何证券或相关金融工具的投资或收益的价值受汇率波动的影响，可能对该等证券或相关金融工具的价值或收入产生正面或负面影响。美国收件人的所有问询请联系:

Haitong International Securities (USA) Inc.
340 Madison Avenue, 12th Floor
New York, NY 10173
联系人电话: (212) 351 6050

DISTRIBUTION AND REGIONAL NOTICES

Except as otherwise indicated below, any Recipient wishing to discuss this research report or effect any transaction in any security discussed in HTI's research should contact the Haitong International salesperson in their own country or region.

Notice to Hong Kong investors: The research report is distributed by Haitong International Securities Company Limited ("HTISCL"), which is a licensed corporation to carry on Type 1 regulated activity (dealing in securities) in Hong Kong. This research report does not constitute a solicitation or an offer of securities or an invitation to the public within the meaning of the SFO. This research report is only to be circulated to "Professional Investors" as defined in the SFO. This research report has not been reviewed by the Securities and Futures Commission. You should not make investment decisions solely on the basis of the information contained in this research report. Recipients of this research report are to contact HTISCL salespersons in respect of any matters arising from, or in connection with, the research report.

Notice to U.S. investors: As described above, this research report was prepared by HTIRL, HSIPL or HTIJKK. Neither HTIRL, HSIPL, HTIJKK, nor any of the non U.S. HTISG affiliates is registered in the United States and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This research report is provided for distribution to "major U.S. institutional investors" and "U.S. institutional investors" in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended. When distributing research reports to "U.S. institutional investors," HTI USA will accept the responsibilities for the content of the reports. Any U.S. recipient of this research report wishing to effect any transaction to buy or sell securities or related financial instruments based on the information provided in this research report should do so only through Haitong International Securities (USA) Inc. ("HTI USA"), located at 340 Madison Avenue, 12th Floor, New York, NY 10173, USA; telephone (212) 351 6050. HTI USA is a broker-dealer registered in the U.S. with the U.S. Securities and Exchange Commission (the "SEC") and a member of the Financial Industry Regulatory Authority, Inc. ("FINRA"). HTI USA is not responsible for the preparation of this research report nor for the analysis contained therein. Under no circumstances should any U.S. recipient of this research report contact the analyst directly or effect any transaction to buy or sell securities or related financial instruments directly through HSIPL, HTIRL or HTIJKK. The HSIPL, HTIRL or HTIJKK analyst(s) whose name appears in this research report is not registered or qualified as a research analyst with FINRA and, therefore, may not be subject to FINRA Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account. Investing in any non-U.S. securities or related financial instruments (including ADRs) discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to U.S. regulations. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in effect within the U.S. The value of any investment or income from any securities or related financial instruments discussed in this research report denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related financial instruments. All inquiries by U.S. recipients should be directed to:

Haitong International Securities (USA) Inc.
340 Madison Avenue, 12th Floor
New York, NY 10173
Attn: Sales Desk at (212) 351 6050

中华人民共和国的通知事项：在中华人民共和国（下称"中国"，就本报告目的而言，不包括香港特别行政区、澳门特别行政区和台湾）只有根据适用的中国法律法规而收到该材料的人员方可使用该材料。并且根据相关法律法规，该材料中的信息并不构成"在中国从事生产、经营活动"。本文件在中国并不构成相关证券的公共发售或认购。无论根据法律规定或其他任何规定，在取得中国政府所有的批准或许可之前，任何法人或自然人均不得直接或间接地购买本材料中的任何证券或任何实益权益。接收本文件的人员须遵守上述限制性规定。

加拿大投资者的通知事项：在任何情况下该等材料均不得被解释为在任何加拿大的司法管辖区内出售证券的要约或认购证券的要约邀请。本材料中所述证券在加拿大的任何要约或出售行为均只能在豁免向有关加拿大证券监管机构提交招股说明书的前提下由 Haitong International Securities (USA) Inc.（"HTI USA"）予以实施，该公司是一家根据 National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations（"NI 31-103"）的规定得到「国际交易商豁免」（"International Dealer Exemption"）的交易商，位于艾伯塔省、不列颠哥伦比亚省、安大略省和魁北克省。在加拿大，该等材料在任何情况下均不得被解释为任何证券的招股说明书、发行备忘录、广告或公开发行。加拿大的任何证券委员会或类似的监管机构均未审查或以任何方式批准该等材料、其中所载的信息或所述证券的优点，任何与此相反的声明即属违法。在收到该等材料时，每个加拿大的收件人均将被视为属于 National Instrument 45-106 Prospectus Exemptions 第 1.1 节或者 Securities Act (Ontario)第 73.3(1)节所规定的「认可投资者」（"Accredited Investor"），或者在适用情况下 National Instrument 31-103 第 1.1 节所规定的「许可投资者」（"Permitted Investor"）。

新加坡投资者的通知事项：本研究报告由 Haitong International Securities (Singapore) Pte Ltd（"HTISSPL"）[公司注册编号 201311400G] 于新加坡提供。HTISSPL 是符合《财务顾问法》（第 110 章）（"FAA"）定义的豁免财务顾问，可（a）提供关于证券，集体投资计划的部分，交易所衍生品合约和场外衍生品合约的建议（b）发行或公布有关证券、交易所衍生品合约和场外衍生品合约的研究分析或研究报告。本研究报告仅提供给符合《证券及期货法》（第 289 章）第 4A 条项下规定的机构投资者。对于因本研究报告而产生的或与之相关的任何问题，本研究报告的收件人应通过以下信息与 HTISSPL 联系：

Haitong International Securities (Singapore) Pte. Ltd

50 Raffles Place, #33-03 Singapore Land Tower, Singapore 048623

电话: (65) 6536 1920

日本投资者的通知事项：本研究报告由海通国际证券有限公司所发布，旨在分发给从事投资管理的金融服务提供商或注册金融机构（根据日本金融机构和交易法（"FIEL"））第 61（1）条，第 17-11（1）条的执行及相关条款）。

英国及欧盟投资者的通知事项：本报告由从事投资顾问的 Haitong International Securities Company Limited 所发布，本报告只面向有投资相关经验的专业客户发布。任何投资或与本报告相关的投资行为只面对此类专业客户。没有投资经验或相关投资经验的客户不得依赖本报告。Haitong International Securities Company Limited 的分支机构的净长期或短期金融权益可能超过本研究报告中提及的实体已发行股本总额的 0.5％。特别提醒有些英文报告有可能此前已经通过中文或其它语言完成发布。

澳大利亚投资者的通知事项：Haitong International Securities (Singapore) Pte Ltd, Haitong International Securities Company Limited 和 Haitong International Securities (UK) Limited 分别根据澳大利亚证券和投资委员会（以下简称"ASIC"）公司（废除及过度性）文书第 2016/396 号规章在澳大利亚分发本项研究，该等规章免除了根据 2001 年《公司法》在澳大利亚为批发客户提供金融服务时海通国际需持有澳大利亚金融服务许可的要求。ASIC 的规章副本可在以下网站获取：www.legislation.gov.au。海通国际提供的金融服务受外国法律法规规定的管制，该等法律与在澳大利亚所适用的法律存在差异。

印度投资者的通知事项：本报告由从事证券交易、投资银行及证券分析及受 Securities and Exchange Board of India（"SEBI"）监管的 Haitong Securities India Private Limited（"HTSIPL"）所发布，包括制作及发布涵盖 BSE Limited（"BSE"）和 National Stock Exchange of India Limited（"NSE"）（统称为「印度交易所」）研究报告。

People's Republic of China (PRC): In the PRC, the research report is directed for the sole use of those who receive the research report in accordance with the applicable PRC laws and regulations. Further, the information on the research report does not constitute "production and business activities in the PRC" under relevant PRC laws. This research report does not constitute a public offer of the security, whether by sale or subscription, in the PRC. Further, no legal or natural persons of the PRC may directly or indirectly purchase any of the security or any beneficial interest therein without obtaining all prior PRC government approvals or licenses that are required, whether statutorily or otherwise. Persons who come into possession of this research are required to observe these restrictions.

Notice to Canadian Investors: Under no circumstances is this research report to be construed as an offer to sell securities or as a solicitation of an offer to buy securities in any jurisdiction of Canada. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by Haitong International Securities (USA) Inc., a dealer relying on the "international dealer exemption" under National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations ("NI 31-103") in Alberta, British Columbia, Ontario and Quebec. This research report is not, and under no circumstances should be construed as, a prospectus, an offering memorandum, an advertisement or a public offering of any securities in Canada. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed upon this research report, the information contained herein or the merits of the securities described herein and any representation to the contrary is an offence. Upon receipt of this research report, each Canadian recipient will be deemed to have represented that the investor is an "accredited investor" as such term is defined in section 1.1 of National Instrument 45-106 Prospectus Exemptions or, in Ontario, in section 73.3(1) of the Securities Act (Ontario), as applicable, and a "permitted client" as such term is defined in section 1.1 of NI 31-103, respectively.

Notice to Singapore investors: This research report is provided in Singapore by or through Haitong International Securities (Singapore) Pte Ltd ("HTISSPL") [Co Reg No 201311400G. HTISSPL is an Exempt Financial Adviser under the Financial Advisers Act (Cap. 110) ("FAA") to (a) advise on securities, units in a collective investment scheme, exchange-traded derivatives contracts and over-the-counter derivatives contracts and (b) issue or promulgate research analyses or research reports on securities, exchange-traded derivatives contracts and over-the-counter derivatives contracts. This research report is only provided to institutional investors, within the meaning of Section 4A of the Securities and Futures Act (Cap. 289). Recipients of this research report are to contact HTISSPL via the details below in respect of any matters arising from, or in connection with, the research report:

Haitong International Securities (Singapore) Pte. Ltd.

10 Collyer Quay, #19-01 - #19-05 Ocean Financial Centre, Singapore 049315

Telephone: (65) 6536 1920

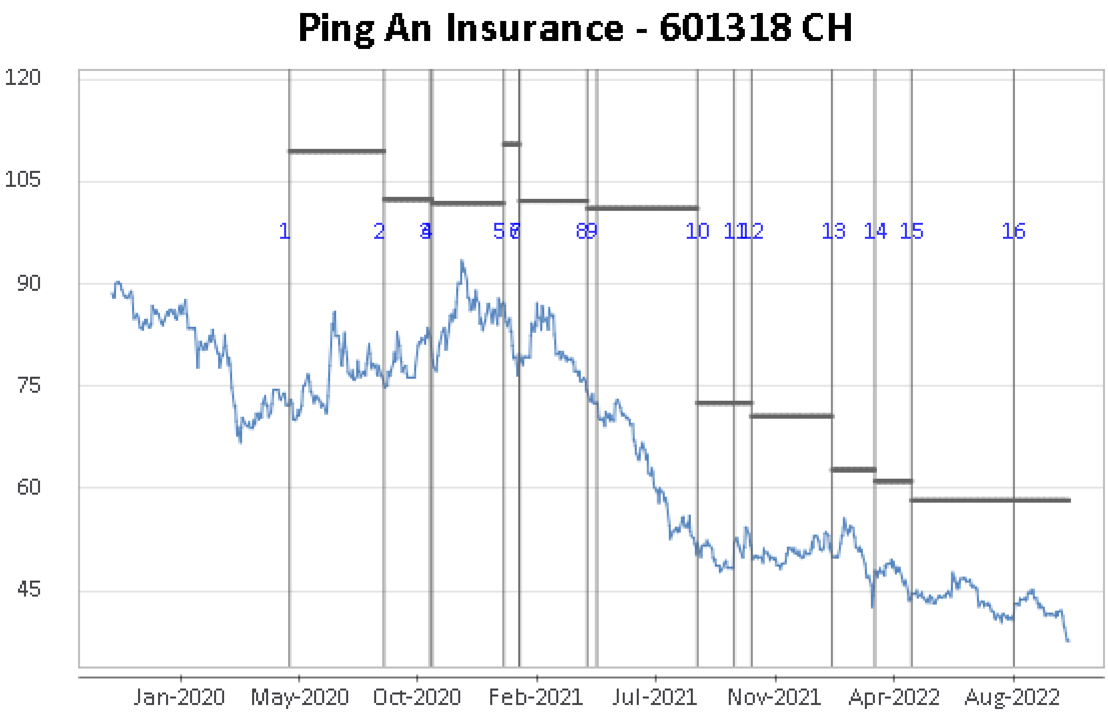
Notice to Japanese investors: This research report is distributed by Haitong International Securities Company Limited and intended to be distributed to Financial Services Providers or Registered Financial Institutions engaged in investment management (as defined in the Japan Financial Instruments and Exchange Act ("FIEL") Art. 61(1), Order for Enforcement of FIEL Art. 17-11(1), and related articles).

Notice to UK and European Union investors: This research report is distributed by Haitong International Securities Company Limited. This research is directed at persons having professional experience in matters relating to investments. Any investment or investment activity to which this research relates is available only to such persons or will be engaged in only with such persons. Persons who do not have professional experience in matters relating to investments should not rely on this research. Haitong International Securities Company Limited's affiliates may have a net long or short financial interest in excess of 0.5% of the total issued share capital of the entities mentioned in this research report. Please be aware that any report in English may have been published previously in Chinese or another language.

Notice to Australian investors: The research report is distributed in Australia by Haitong International Securities (Singapore) Pte Ltd, Haitong International Securities Company Limited, and Haitong International Securities (UK) Limited in reliance on ASIC Corporations (Repeal and Transitional) Instrument 2016/396, which exempts those HTISG entities from the requirement to hold an Australian financial services license under the Corporations Act 2001 in respect of the financial services it provides to wholesale clients in Australia. A copy of the ASIC Class Orders may be obtained at the following website, www.legislation.gov.au. Financial services provided by Haitong International Securities (Singapore) Pte Ltd, Haitong International Securities Company Limited, and Haitong International Securities (UK) Limited are regulated under foreign laws and regulatory requirements, which are different from the laws applying in Australia.

Notice to Indian investors: The research report is distributed by Haitong Securities India Private Limited ("HSIPL"), an Indian company and a Securities and Exchange Board of India ("SEBI") registered Stock Broker, Merchant Banker and Research Analyst that, inter alia, produces and distributes research reports covering listed entities on the BSE Limited ("BSE") and the National Stock Exchange of India Limited ("NSE") (collectively referred to as "Indian Exchanges").

Recommendation Chart



1. 18 May 2020 OUTPERFORM at 72.2 target 109.44.
2. 3 Sep 2020 OUTPERFORM at 76.38 target 102.38.
3. 26 Oct 2020 OUTPERFORM at 82.2 target 102.38.
4. 28 Oct 2020 OUTPERFORM at 81.07 target 101.81.
5. 18 Jan 2021 OUTPERFORM at 86.9 target 110.45.
6. 5 Feb 2021 OUTPERFORM at 79.62 target 102.15.
7. 5 Feb 2021 OUTPERFORM at 79.62 target 102.15.
8. 23 Apr 2021 OUTPERFORM at 74.37 target 101.05.
9. 4 May 2021 OUTPERFORM at 72.5 target 101.05.
10. 27 Aug 2021 OUTPERFORM at 50.32 target 72.54.
11. 8 Oct 2021 OUTPERFORM at 48.36 target 72.54.
12. 28 Oct 2021 OUTPERFORM at 51.65 target 70.57.
13. 28 Jan 2022 OUTPERFORM at 50.79 target 62.73.
14. 19 Mar 2022 OUTPERFORM at 47.93 target 61.07.
15. 1 May 2022 OUTPERFORM at 44.56 target 58.25.
16. 24 Aug 2022 OUTPERFORM at 40.72 target 58.25.

Source: Company data Bloomberg, HTI estimates