

中广核技 Cgn Nuclear Technology Development (000881 CH)

全国领先的核技术应用企业，多业务并进，A+战略核心业务稳健增长

Leading domestic nuclear technology application enterprise, with multiple businesses going forward, and the A+ strategic core business has grown steadily

观点聚焦 Investment Focus

维持优于大市 Maintain OUTPERFORM

评级	优于大市 OUTPERFORM
现价	Rmb8.85
目标价	Rmb10.86
市值	Rmb6.83bn / US\$1.02bn
日交易额(3个月均值)	US\$27.33mn
发行股票数目	771.19mn
自由流通股(%)	41%
1年股价最高最低值	Rmb10.99-Rmb7.66

注：现价 Rmb8.85 为 2022 年 6 月 6 日收盘价



资料来源：Factset

	1mth	3mth	12mth	
绝对值	6.6%	-3.6%	-15.5%	
绝对值(美元)	5.2%	-8.9%	-19.2%	
相对 MSCI China	-0.3%	4.4%	21.7%	
(Rmb mn)	Dec-21A	Dec-22E	Dec-23E	Dec-24E
营业收入	7,999	8,870	9,656	10,369
(+/-)	20%	11%	9%	7%
净利润	177	285	321	365
(+/-)	-35%	61%	13%	14%
全面摊薄 EPS (Rmb)	0.19	0.30	0.34	0.39
毛利率	19.6%	17.4%	17.5%	17.6%
净资产收益率	2.9%	4.5%	4.8%	5.2%
市盈率	47	29	26	23

资料来源：公司信息, HTI

(Please see APPENDIX 1 for English summary)

- 全国领先的核技术应用企业，A+战略核心业务稳中有进。公司聚焦核技术应用领域，主业包括高新材料、电子加速器及辐照加工、进出口贸易及远洋运输等。2021 年度，公司 A+战略核心业务——加速器及辐照加工服务呈稳健增长趋势。

公司通过不断拓展加速器应用场景，促进加速器销售，加速器产量销量均创历史新高，2021 年，加速器订单保持了较好的增长态势，年内确认收入 49 台（2020 年：29 台），同比增加 68.97%。公司持续做强做优加速器研发与制造业务，保持国内领先的工业电子加速器研发与制造企业地位，也是国内领先的电子加速器出口企业。公司通过加大电子束加速器的研发投入与研发力度，与中国科学院近代物理研究所联合研制的单灯丝电子束加速器(120 keV, 10 mA)已成功应用于冷链食品外包装新冠病毒消杀试验验证，多灯丝电子束加速器(120 keV, 300 mA)的研制已经取得阶段性突破，我们看好其今后可较好支撑公司在电子束表面固化领域的业务拓展。

公司加快在全国“东西南北中”新材料产业园附近布局材料改性辐照站点，提供材料改性服务，扩大业务份额，同时在全国加快消毒灭菌站点布局，通过辐照站点的专业化、标准化、集约化运营，降低运营成本，以服务更多客户、扩大产能、提高客户满意度，提升公司辐照站的核心竞争力。2021 年，公司完成深圳戈瑞等 5 个辐照站建成/投产，完成长沙宁乡等 4 个辐照站的投资决策。公司目前在运 15 个辐照站，共 60 台加速器（其中 9 台用于消毒灭菌），总功率达 4632 千瓦。电子束辐照加工能力居国内之首，辐照服务收入在国内行业名列前茅。2021 年，公司辐照加工服务实现营业收入约 2.1 亿元（2020 年度：1.9 亿元），同比增长 10.53%。国内辐照业务需求持续增长，随着国家对各类电线电缆的标准提高，以及光伏发电和 5G 业务的快速发展，线缆辐照改性成为重要的增值加工环节，线缆辐照呈现出稳中增长趋势。辐照消毒灭菌业务在疫情的持续影响下，需求不断放大，业务呈现持续增长态势，公司将继续加大辐照加工业务的市场布局，我们预计，随着公司辐照站点的布局完善，有望进一步提高公司在该市场的份额和收入。

- 新材料业务转型升级持续推进，毛利率有望提升。公司坚持业务转型与聚焦，一方面依托大股东在核电、新能源市场优势，持续加大相关新材料业务拓展，一方面借助自身科技创新优势，提升新材料性能及新应用空间，并研发独特的高附加值新材料，开展多个新应用。2021 年受全球原材料价格暴涨等因素影响，主要产品价差收窄，板块毛利率下降 7.95 个百分点至 12.91%。我们预计，后续随着原材料价格周期性回落，以及高附加值新材料占比提高，板块毛利率有望提升。

刘威 Wei Liu
wei.liu@htisec.com

- **核环保+核医疗领域获得突破。**在核环保领域，公司以“制造+服务”的商业模式，为客户提供从设备销售到工程设计、建设和运营的整体解决方案。目前有湖北际华、山东巨野项目处于调试阶段；山东睿鹰、山东鄄城、中科绵投、东明二污项目处于建设阶段；唐山佳华项目已签订合同等待开工。在核医学领域，公司首年（2021年）便实现1台质子设备销售，1台中标。同时，与医科达中国开展战略合作，推动放射治疗精准化、标准化，同位素公司与多家单位签署代销协议。未来随着我国生态环保建设以及核医疗装备市场自主化的持续推进，业务有望迎来进一步的增长。
- **受益远洋运输业务量价齐升业绩回暖。**2021年，疫情影响下的全球物流链运力趋紧，远洋运输行业景气大幅提升。公司顺应市场变化，准确把握市场动态，从2021年3月份起所有到期船舶租约全部签订长期租约，租金根据市场指数浮动，自有船舶保持了99%的营运率，有望持续享受此轮市场上扬带来的红利。受益于远洋运输业务需求提升，该板块盈利大幅增加，带动公司业绩回暖。2022年一季度公司实现营业总收入19.65亿元，同比增长37.20%；归母净利润0.38亿元，同比增长62.86%。
- **盈利预测与投资评级。**受原材料价格大幅上涨影响，公司业绩低于预期，我们下调对公司的盈利预测。我们预计公司2022-2024年归母净利润分别为2.85（-32%）、3.21（-37%）、3.65（新引入）亿元，对应EPS分别为0.30元、0.34元、0.39元。公司是国内行业龙头，我们给予一定的估值溢价，给予公司2022年36倍PE，对应目标价10.86元（上期目标价13.32元，对应21年36倍PE，-18.44%），维持“优于大市”评级。
- **风险提示。**安全生产风险、新项目拓展进度不及预期，宏观经济下行。

表1 可比上市公司估值比较

公司名称	股票代码	股价 (元)	EPS (元/股)			PE (倍)		
			2021	2022E	2023E	2021	2022E	2023E
002886.SZ	沃特股份	18.4	0.30	0.64	1.07	61.51	28.68	17.21
688625.SH	星和科技	43.08	1.10	1.60	2.27	39.16	26.97	19.02
300143.SZ	盈康生命	8.76	0.29	0.30	0.42	30.26	29.33	20.87
平均						43.64	28.33	19.03

资料来源: WIND, 海通国际, 股价为2022年6月1日收盘价, 每股收益均为Wind一致预期

财务报表分析和预测

主要财务指标	2021	2022E	2023E	2024E	利润表 (百万元)	2021	2022E	2023E	2024E
每股指标 (元)					营业总收入	7,999	8,870	9,656	10,369
每股收益	0.19	0.30	0.34	0.39	营业成本	6,430	7,330	7,968	8,539
每股净资产	6.45	6.76	7.10	7.48	毛利率%	19.6%	17.4%	17.5%	17.6%
每股经营现金流	0.50	0.11	0.73	0.53	营业税金及附加	31	39	40	44
每股股利	0.00	0.00	0.00	0.00	营业税金率%	0.4%	0.4%	0.4%	0.4%
价值评估 (倍)					营业费用	137	198	190	228
P/E	47.35	29.33	26.04	22.93	营业费用率%	1.7%	2.2%	2.0%	2.2%
P/B	1.37	1.31	1.25	1.18	管理费用	680	710	761	827
P/S	1.05	0.94	0.87	0.81	管理费用率%	8.5%	8.0%	7.9%	8.0%
EV/EBITDA	12.62	20.35	15.65	15.79	EBIT	534	313	400	407
股息率%	0.0%	0.0%	0.0%	0.0%	财务费用	168	160	157	146
盈利能力指标 (%)					财务费用率%	2.1%	1.8%	1.6%	1.4%
毛利率	19.6%	17.4%	17.5%	17.6%	资产减值损失	-74	41	25	33
净利润率	2.2%	3.2%	3.3%	3.5%	投资收益	11	18	17	20
净资产收益率	2.9%	4.5%	4.8%	5.2%	营业利润	343	413	521	557
资产回报率	1.3%	2.0%	2.2%	2.4%	营业外收支	-10	0	0	0
投资回报率	5.7%	2.8%	3.7%	3.6%	利润总额	333	413	521	557
盈利增长 (%)					EBITDA	872	517	654	640
营业收入增长率	20.3%	10.9%	8.9%	7.4%	所得税	-31	9	-19	-4
EBIT 增长率	20.0%	-41.4%	27.9%	1.5%	有效所得税率%	-9.2%	2.1%	-3.6%	-0.8%
净利润增长率	-34.8%	61.4%	12.6%	13.6%	少数股东损益	187	119	218	196
偿债能力指标					归属母公司所有者净利润	177	285	321	365
资产负债率	49.9%	50.1%	48.2%	46.8%					
流动比率	1.67	1.68	1.77	1.85					
速动比率	1.23	1.23	1.28	1.33	资产负债表 (百万元)	2021	2022E	2023E	2024E
现金比率	0.34	0.29	0.29	0.29	货币资金	1,722	1,600	1,600	1,600
经营效率指标					应收账款及应收票据	3,251	3,765	4,012	4,354
应收帐款周转天数	100.14	104.65	102.39	103.52	存货	1,843	2,100	2,283	2,446
存货周转天数	104.64	104.55	104.60	104.57	其它流动资产	1,526	1,690	1,752	1,851
总资产周转率	0.60	0.63	0.66	0.67	流动资产合计	8,342	9,154	9,647	10,252
固定资产周转率	2.91	3.08	3.30	3.44	长期股权投资	14	14	15	15
					固定资产	2,745	2,884	2,927	3,014
					在建工程	225	137	142	101
					无形资产	992	996	985	981
现金流量表 (百万元)	2021	2022E	2023E	2024E	非流动资产合计	4,980	5,029	5,071	5,112
净利润	177	285	321	365	资产总计	13,322	14,183	14,718	15,364
少数股东损益	187	119	218	196	短期借款	2,237	2,370	2,092	1,959
非现金支出	529	164	229	201	应付票据及应付账款	1,611	1,855	2,006	2,156
非经营收益	20	143	142	128	预收账款	18	10	16	15
营运资金变动	-437	-610	-219	-387	其它流动负债	1,137	1,224	1,341	1,411
经营活动现金流	476	100	691	503	流动负债合计	5,003	5,460	5,455	5,540
资产	-552	-222	-283	-252	长期借款	1,129	1,129	1,129	1,129
投资	58	8	11	9	其它长期负债	515	515	515	515
其他	24	18	17	20	非流动负债合计	1,644	1,644	1,644	1,644
投资活动现金流	-470	-196	-256	-224	负债总计	6,647	7,104	7,100	7,185
债权募资	106	134	-279	-133	实收资本	945	945	945	945
股权募资	1	0	0	0	归属于母公司所有者权益	6,102	6,387	6,709	7,074
其他	-280	-160	-157	-146	少数股东权益	573	692	910	1,106
融资活动现金流	-173	-27	-435	-279	负债和所有者权益合计	13,322	14,183	14,718	15,364
现金净流量	-111	-122	0	0					

备注: (1) 表中计算估值指标的收盘价日期为 2022 年 06 月 06 日; (2) 以上各表均为简表

资料来源: 公司年报 (2021 年), 海通国际

APPENDIX 1

Summary

- **The company is a leading nuclear technology application enterprise in the country, and the A+ strategic core business is making steady progress.** The company focuses on the application of nuclear technology, and its main businesses include high-tech materials, electron accelerators and irradiation processing, import and export trade and ocean transportation. In 2021, the company's A+ strategic core business - accelerator and irradiation processing services showed a steady growth trend.
- The company promotes accelerator sales by continuously expanding the application scenarios of accelerators. The output and sales volume of accelerators have reached a record high. In 2021, accelerator orders have maintained a good growth trend, and 49 units were recognized during the year (2020: 29 units), an increase of 68.97% year-on-year. The company continues to strengthen and optimize its accelerator R&D and manufacturing business, maintain its status as a leading domestic industrial electron accelerator R&D and manufacturing enterprise, and is also a domestic leading electron accelerator export enterprise. By increasing the R&D investment and R&D efforts of the electronic curtain accelerator, the single-filament electronic curtain accelerator (120 keV, 10 mA) jointly developed with the Institute of Modern Physics of the Chinese Academy of Sciences has been successfully applied to the cold chain food packaging new coronavirus disinfecting test. It has been verified that the development of the multi-filament electron curtain accelerator (120 keV, 300 mA) has achieved a staged breakthrough, and we are optimistic that it can better support the company's business expansion in the field of electron beam surface curing in the future.
- The company accelerates the layout of material modification irradiation sites near the national "east, west, south, north, and middle" new material industrial parks, provides material modification services, and expands business share. Standardize and intensify operations, reduce operating costs, serve more customers, expand production capacity, improve customer satisfaction, and enhance the core competitiveness of the company's irradiation stations. In 2021, the company completed the completion/commission of 5 irradiation stations including Shenzhen Ge Rui, and completed the investment decision of 4 irradiation stations including Changsha Ningxiang. The company is currently operating 15 irradiation stations with a total of 60 accelerators (9 of which are used for disinfection and sterilization), with a total power of 4,632 kilowatts. The electron beam irradiation processing capability ranks first in China, and the irradiation service revenue ranks among the top in the domestic industry. In 2021, the company's radiation processing services achieved an operating income of about Rmb210mn (2020: Rmb190mn), a year-on-year increase of 10.53%. The demand for domestic irradiation business continues to grow. With the improvement of national standards for various types of wires and cables, as well as the rapid development of photovoltaic power generation and 5G business, cable irradiation modification has become an important value-added processing link, and cable irradiation has shown a stable trend. medium growth trend. Under the continuous influence of the epidemic, the demand for irradiation disinfection and sterilization business continues to expand, and the business shows a continuous growth trend. The company will continue to increase the market layout of the irradiation processing business. We expect that with the improvement of the company's irradiation site layout, it is expected to further increase the company's share and revenue in this market.
- **The transformation and upgrading of the new material business continues to advance, and the gross profit margin is expected to increase.** The company insists on business transformation and focus. On the one hand, the company relies on the major shareholder's advantages in the nuclear power and new energy markets to continue to expand related new material business development. On the other hand, with the help of its own advantages in technological innovation, the company improves the performance of new materials and new application space, and develops unique high value-added new materials to carry out multiple new applications. In 2021, affected by factors such as soaring global raw material prices, the price spread of major products narrowed, and the gross profit margin of the segment dropped by 7.95 percentage points to 12.91%. We expect that with the cyclical decline in raw material prices and the increase in the proportion of high value-added new materials, the gross profit margin of the segment is expected to increase.

- **A breakthrough was made in the field of nuclear environmental protection + nuclear medicine.** In the field of nuclear environmental protection, the company provides customers with overall solutions from equipment sales to engineering design, construction and operation with the business model of "manufacturing + service". At present, Hubei Jihua and Shandong Juye projects are in the commissioning stage; Shandong Ruiying, Shandong Juancheng, Zhongke Miantou, and Dongming Second Pollution Projects are in the construction stage; Tangshan Jiahua projects have signed contracts and are waiting to start. In the field of nuclear medicine, the company achieved sales of one proton equipment in the first year (2021) and won one bid. At the same time, it has carried out strategic cooperation with Elekta China to promote the precision and standardization of radiotherapy. The isotope company has signed consignment agreements with many units. In the future, with the continuous advancement of my country's ecological and environmental protection construction and the continuous advancement of the autonomy of the nuclear medical equipment market, the business is expected to usher in further growth.
- **Benefiting from the rise in volume and price of ocean shipping business, the performance rebounded.** In 2021, the global logistics chain capacity was tightened under the influence of the epidemic, and the prosperity of the ocean shipping industry was greatly improved. The company conformed to market changes and accurately grasped market trends. From March 2021, all expiring ship charters signed long-term leases. The rents will fluctuate according to the market index. The operating rate of its own ships has maintained 99%, and it is expected to continue to enjoy this round of market growth. brought dividends. Benefiting from the increase in the demand for ocean shipping business, the profit of this segment has increased significantly, driving the company's performance to pick up. In the first quarter of 2022, the company achieved a total operating income of Rmb1.965bn, a year-on-year increase of 37.20%; net profit attributable to the parent was Rmb38 mn, a year-on-year increase of 62.86%.
- **Earnings forecast and investment rating.** Affected by the sharp rise in raw material prices, the company's performance was lower than expected, and we lowered our profit forecast for the company. We estimate that the company's NPAtS in 2022-2024 will be Rmb285mn (-32%), Rmb321mn (-37%), and Rmb365mn (newly introduced) respectively; 2022-2024 EPS will be Rmb0.30, 0.34, Rmb0.39 per share. Combined with the valuation of comparable companies and considering that the company is a leader in the domestic industry, we give a certain valuation premium. We value the company at FY22E PER of 36x with a target price of Rmb10.86 (the previous TP was Rmb13.32 based on a FY21E PER of 36x, -18.44%). We maintain an "OUTPERFORM" rating.
- **Risk:** Production safety risks, the progress of new project expansion is less than expected, and the macro economy is down.

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，刘威，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, Wei Liu, 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).

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):

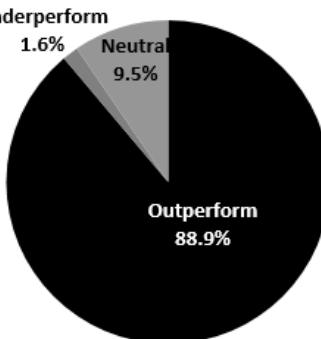
Haitong International uses a relative rating system using Outperform, Neutral, or Underperform for recommending the stocks we cover to investors. Investors should carefully read the definitions of all ratings used in Haitong International Research. In addition, since Haitong International Research contains 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

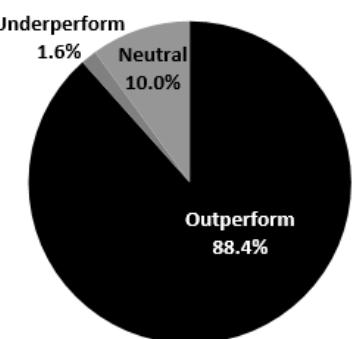
Outperform: The stock's total return over the next 12-18 months is expected to exceed the return of its relevant broad market benchmark, as

评级分布 Rating Distribution

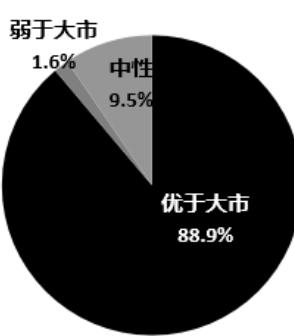
Most Recent Full Quarter



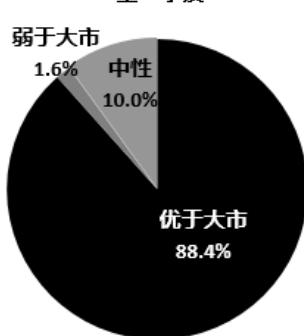
Prior Full Quarter



最新季度



上一季度



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.

截至 2022 年 3 月 31 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	88.9%	9.5%	1.6%
投资银行客户*	6.8%	5.8%	0.0%

*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 Mar 31, 2022

	Outperform	Neutral (hold)	Underperform
HTI Equity Research Coverage	88.9%	9.5%	1.6%
IB clients*	6.8%	5.8%	0.0%

*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 方均不承担与此次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 disseminated 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 disclaimer 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

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 HTIIR 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 ("HTIIR"), 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 HTIIR, 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 HTIIR, HSIPL 或 HTIJKK 编写。HTIIR, 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。HTI USA 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, HTIIR 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, HTIIR 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 HTI USA, HSIPL or HTIJKK. Neither HTI USA, 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, HTI USA or HTIJKK. The HSIPL, HTI USA 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 (“HTSPL”) 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。

本项研究仅供收件人使用, 未经海通国际的书面同意不得予以复制和再次分发。

版权所有: 海通国际证券集团有限公司 2019 年。保留所有权利。

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.

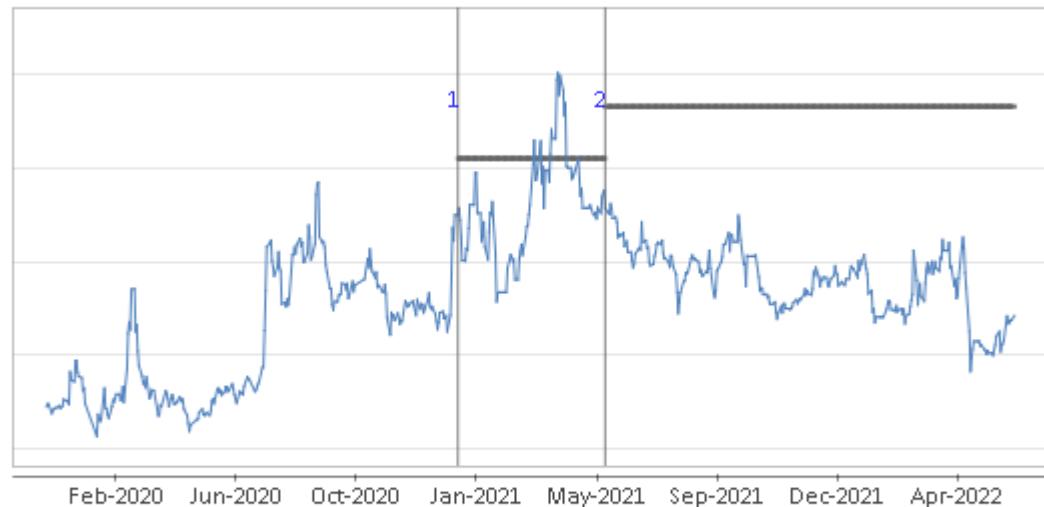
Notice to Indian investors: The research report is distributed by Haitong Securities India Private Limited ("HSIPL"), an Indian company and a Securities and Exchange Board of India ("SEBI") registered Stock Broker, Merchant Banker and Research Analyst that, inter alia, produces and distributes research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

This research report is intended for the recipients only and may not be reproduced or redistributed without the written consent of an authorized signatory of HTISG.

Copyright: Haitong International Securities Group Limited 2019. All rights reserved.

Recommendation Chart

Cgn Nuclear Technology Development - 000881 CH



1. 4 Jan 2021 OUTPERFORM at 11.0 target 12.21.

2. 21 May 2021 OUTPERFORM at 11.38 target 13.32.

Source: Company data Bloomberg, HTI estimates