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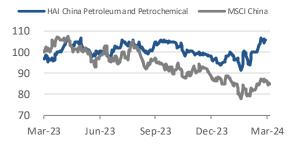


中国石油石化 China Petroleum and Petrochemical

氢能利好政策频出,推动行业持续发展 Hydrogen energy favorable policies come out frequently

观点聚焦 Investment Focus





资料来源: Factset, HTI

Related Reports

油气公司估值方法及国内外估值对比(Valuation Methods of Oil and Gas Companies, Comparison of Domestic and Foreign Valuations) (4 Mar 2024) 供需格局宽松,美国天然气价格持续下跌(Loose Supply - Demand Framework, Continued Falling U.S. Natural Gas Prices) (25 Feb 2024) 石化企业出海投资机会(Investment Opportunities for Petrochemical Companies Going Overseas) (18 Feb 2024)

(Please see APPENDIX 1 for English summary)

- 核心观点: 2024 年政府工作报告提出,要加快前沿新兴氢能产业发展,近期有关氢能利好政策也频繁出台,如内蒙古发布《关于加快推进氢能产业发展的通知》,山东对氢能车辆免收高速公路通行费等等。2023 年,中国氢能行业在制氢、储氢、加注等多个环节均实现较快发展,如在制氢环节,中国 2023 年共建成运营可再生氢项目 58 个,合计项目规模达到 654 兆瓦,同比增长 26.3%;在储运环节,中国已建成运营氢气管道总长度超 150 公里;在加注环节,2023 年中国加氢站总数超过 420 座,同比增长 19.6%。根据《氢能产业发展中长期规划(2021-2035年)》,到 2035年,中国将形成氢能多元应用生态,可再生能源制氢在终端能源消费中的比例将明显提升,相关公司存在投资机会。
- 事件: 2024 年政府工作报告提出要加快前沿新兴氢能产业发展。2024 年政府工作报告提出,要实施产业创新工程,完善产业生态,拓展应用 场景,促进战略性新兴产业融合集群发展。巩固扩大智能网联新能源汽 车等产业领先优势,加快前沿新兴氢能、新材料、创新药等产业发展, 积极打造生物制造、商业航天、低空经济等新增长引擎。
- 近期氢能利好政策频出。(1)工信部等 7 部门发布指导意见,强调布局氢能。2024 年 2 月 5 日出台的指导意见中强调,要谋划布局氢能、储能、生物制造、碳捕集利用与封存(CCUS)等未来能源和未来制造产业发展。围绕石化化工、钢铁、交通、储能、发电等领域用氢需求,构建氢能制、储、输、用等全产业链技术装备体系,提高氢能技术经济性和产业链完备性。(2)内蒙古发布《关于加快推进氢能产业发展的通知》。2024 年 2 月 26 日,内蒙古自治区能源局、应急管理厅、工信厅联合发布《关于加快推进氢能产业发展的通知》,明确允许非化工园区建设太阳能、风能等可再生能源电解水制氢项目和制氢加氢站,且无需取得危险化学品安全生产需求。(3)山东对氢能车辆免收高速公路通行费,助力氢能重卡推行。山东省交通运输厅宣布自 2024 年 3 月 1日起,对行驶山东高速公路安装 ETC 套装设备的氢能车辆暂免收取高速公路通行费。政策试行期 2 年,到期后依据执行情况适时调整。
- 2023 年中国氢能行业在制氢、储氢、加注等多个环节均实现较快发展。根据氢能联盟 CHA 公众号,2023 年国内氢能源行业快速发展。制氢环节,代表性可再生能源制氢示范项目建成运行,一体化、规模化制氢项目进入实施期。根据氢界大数据平台统计,截至2023年12月,中国共建成运营可再生氢项目58个;合计项目规模达到654兆瓦,同比增长26.3%。储运环节,截至2023年12月,中国已建成运营氢气管道总长度超150公里,甘肃玉门油田首条中长距离输氢管道正式对外输氢。加注环节,2023年国内加氢站总数超过420座,同比增长19.6%。
- 中国将持续积极有序发展氢能源。根据《氢能产业发展中长期规划(2021-2035年)》,"十四五"时期,中国氢能行业发展目标是:初步建立以工业副产氢和可再生能源制氢就近利用为主的氢能供应体系;燃料电池车辆保有量约5万辆,部署建设一批加氢站,可再生能源制氢量达到10-20万吨/年,实现二氧化碳减排100-200万吨/年。到2030年,中国将形成较为完备的氢能产业技术创新体系、清洁能源制氢以及供应体系,产业布局合理有序,有力支撑碳达峰目标实现。到2035年,形成氢能多元应用生态,可再生能源制氢在终端能源消费中的比例明显提升,对能源绿色转型发展起到重要支撑作用。
- 相关标的。建议关注: (1) 氢能全产业链公司:中国石化(AH)。
 (2) 制氢公司:宝丰能源,卫星化学、东华能源、广汇能源; (3) 储氢、加氢站设备相关公司:厚普股份,石化机械; (4) 氢能应用端公司。
- 风险提示: 氢能需求不及预期, 氢能技术进展缓慢, 成本持续高位。

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1. 建议关注:新凤鸣、桐昆股份、中国石油、卫星化学、荣盛石化、东方盛虹、恒力石化、新奥股份

1.1 新凤鸣

(1) 涤纶行业龙头,主业稳步扩张,提供业绩增量。截至 2022 年底,公司拥有民用涤纶长丝产能 630 万吨/年,涤纶短纤产能 90 万吨/年。根据公司 2022 年报,到 2023 年底公司将拥有长丝产能 700 万吨、短纤产能 120 万吨。此外,公司拥有 500 万吨 PTA 产能,预计到 2026 年,公司 PTA 达到 1000 万吨。(2)拟启动泰昆石化印尼北加炼化一体化项目。泰昆石化由华灿国际、上海青翃分别持股 90%、10%,其中桐昆股份、新凤鸣分别持有华灿国际 51%、49%股权。项目报批总投资 86.24 亿美元,拟投资建设 1600 万吨/年炼油、520 万吨/年 PX、80 万吨/年乙烯。

风险提示:项目建设进展不及预期;产品价格大幅波动。

1.2 桐昆股份

(1) 涤纶行业龙头, 主业稳步扩张, 提供业绩增量。截至 2022 年, 公司 PTA 产能 720 万吨/年, 涤纶长丝产能 960 万吨/年。根据公司现有项目规划, 未来公司长丝(短纤)产能约 1500 万吨/年, 其中 2023 年计划投产长丝约 300 万吨/年。(2)拟启动泰昆石化印尼北加炼化一体化项目。泰昆石化由华灿国际、上海青翃分别持股90%、10%, 其中桐昆股份、新凤鸣分别持有华灿国际 51%、49%股权。项目报批总投资 86.24 亿美元, 拟投资建设 1600 万吨/年炼油、520 万吨/年 PX、80 万吨/年乙烯。(3)参股大炼化。参股 20%的浙石化, 我们预计 2023 年随着下游需求改善, 炼化行业景气度有望逐步回升。

风险提示:原油价格下跌;产品价格下跌;长丝产能扩张不及预期。

1.3 中国石油

(1) 国际油价维持高位震荡,我们预计 2023 年公司有望维持较好盈利水平。 (2) 注重股东回报: 2022 年公司 A 股、H 股股息率分别为 8.5%、13.6%,行业领先;拟回购增强股东回报。(3)转型升级、提升经营质量:上游构建"油、气、热、电、氢"五大能源平台,下游减油增化。

风险提示:原油、天然气价格回落等。

1.4卫星化学

(1) 轻质化龙头,工艺具有成本低、排放低、副产氢等优势。 (2) 连云港年产 135 万吨 PE、219 万吨 EOE 和 26 万吨 ACN 联合装置项目二阶段工程全面投产,且主要原材料价格高位回落,我们预计盈利有望改善。 (3) 在建及储备项目提供未来增长动能,包括绿色化学新材料产业园项目 (20 万吨/年乙醇胺、80 万吨/年聚苯乙烯、10 万吨/年 α-烯烃与配套 POE、75 万吨/年碳酸酯)、平湖基地新能源新材料一体化项目(年产 80 万吨 PDH、80 万吨丁辛醇)等。

风险提示:产品价格大幅波动:项目进展不及预期等。

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1.5 荣盛石化

(1) 控股 4000 万吨/年浙石化 51%股权, 我们预计 2023 年随着下游需求改善, 炼化行业景气度有望逐步回升。(2)完善下游新材料布局, 重点布局新能源和高端材料领域, 浙石化三大项目(二期工程产品结构优化、高端新材料、高性能树脂项目)合计总投资规模 1178 亿元, 主要包括 EVA、DMC、ABS、α 烯烃-POE、己二腈-PA66 等产品, 公司预计年均可实现净利润合计 164 亿元。

风险提示:原油价格下跌;产品价格下跌;项目进度不及预期。

1.6东方盛虹

(1)公司上游拥有1600万吨/年炼化一体化项目(2022年底全面投产)、240万吨/年甲醇制烯烃装置(MTO)、70万吨/年PDH装置,实现"油、煤、气"三种烯烃制取工艺路线全覆盖。(2)公司加快布局新材料产业链,规划未来实现 EVA 产能 100万吨/年(现有30万吨/年)、POE产能50万吨/年(分期建设,其中800吨 POE中试装置于2022年9月27日一次开车成功),并拟在湖北宜昌投资建设配套原料及磷酸铁、磷酸铁锂新能源材料项目。

风险提示:原油价格下跌;产品价格下跌;项目进度不及预期。

1.7 恒力石化

(1)公司以"炼化+乙烯+煤化"为载体,强化上游大化工平台支撑,主要包括2000万吨/年炼油、150万吨/年乙烯、500万吨/年现代煤化工装置。(2)加速新材料布局,打造第二成长曲线,稳步推进160万吨/年高性能树脂及相关配套工程、260万吨/年功能性聚酯工程、30万吨/年己二酸化工新材料配套项目及16亿平锂电膈膜项目等在建项目建设。

风险提示:原油价格下跌;产品价格下跌;项目进度不及预期。

1.8新奥股份

(1) 天然气龙头企业, 控股新奥能源 33%的股权, 受益天然气需求较快增长。 (2) 注入舟山 LNG 接收站,接收站一、二期合计实际处理能力有望达到 800 万吨/ 年。

风险提示: 天然气价格大幅波动; 天然气消费增速不及预期。

2. 一周跟踪:博汇股份

2.1 博汇股份

关于设立合资公司暨对外投资进展的公告。公司与宁波经济技术开发区管理委员会签订投资合作协议,拟在青峙化工新材料产业园投资建设160万吨/年新材料及高端化学品一体化项目。近日,公司与宁波市北仓区交通投资集团有限公司签订投资协议,双方同意在青峙化工新材料产业园共同出资成立合资公司,共同建设该项目。

风险提示:产品价格大幅波动;项目进展不及预期等。

3. 风险提示

产品价格大幅波动;项目进展不及预期。

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APPENDIX 1

Summary

- Conclusions. The 2024 government work report proposed to accelerate the development of the frontier emerging hydrogen energy industry, and recent favorable policies on hydrogen energy have been frequently introduced, such as Inner Mongolia's issuance of the Notice on Accelerating the Development of Hydrogen Energy Industry, and Shandong's exemption of highway tolls for hydrogen vehicles, etc. In 2023, China's hydrogen energy industry has achieved relatively rapid development in a number of segments such as hydrogen production, hydrogen storage, and hydrogen refueling, e.g., in the hydrogen production segment. In 2023, China has built and operated 58 renewable hydrogen projects, with a total project size of 654 MW, a year-on-year growth of 26.3%; in storage and transportation, China has built and operated hydrogen pipelines with a total length of more than 150 kilometers; and in refueling, the total number of hydrogen refueling stations in China will be more than 420 in 2023, a year-on-year growth of 19.6%. According to the Medium and Long-term Plan for the Development of Hydrogen Energy Industry (2021-2035), by 2035, China will form a multi-application ecology of hydrogen energy, and the proportion of renewable hydrogen in terminal energy consumption will be significantly increased, and there are investment opportunities for related companies.
- Related stocks. Recommendations for attention: (1) hydrogen energy industry chain companies: Sinopec (AH). (2) Hydrogen production companies: Ningxia Baofeng Energy Group, Satellite Chemical, Oriental Energy, Guanghui Energy; (3) Hydrogen storage, hydrogen refueling station equipment related companies: Houpu Clean Energy Group, Sinopec Oilfield Equipment; (4) Hydrogen energy application companies.
- **Risk warning.** hydrogen energy demand is not as expected, hydrogen energy technology progress is slow, the cost continues to be high.



附录 APPENDIX

重要信息披露

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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

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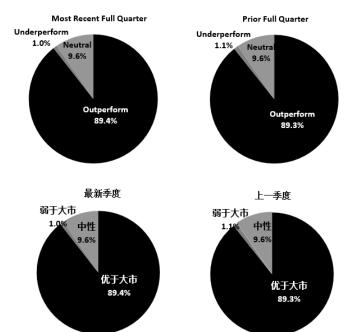
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评级分布 Rating Distribution



截至 2023年 12月 31日海通国际股票研究评级分布

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投资银行客户*	3.9%	5.1%	5.6%

^{*}在每个评级类别里投资银行客户所占的百分比。

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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.



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	Outperform	Neutral (hold)	Underp er for m
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IB clients*	3.9%	5.1%	5.6%

^{*}Percentage of investment banking clients in each rating category.

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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.

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