

HBIS 河钢股份

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Stock Code: 000709



2023 河钢股份有限公司
HBIS COMPANY LIMITED

环境、社会及公司治理报告

Environmental, Social and Corporate Governance Report

关于本报告

About the Report

本报告主要描述了河钢股份及其下属企业在环境、社会及公司治理方面的表现，积极与各利益相关方沟通，回应利益相关方需求。河钢股份董事会对本公司可持续发展工作全面负责，且本报告已经公司董事会审阅及批准。

The Report describes the environmental, social, and corporate governance performance of HBIS Limited and its subsidiaries, as well as their communication with stakeholders and response to their needs. The Board of Directors of HBIS Limited is fully responsible for the sustainable development of the Company, and the Report has been reviewed and approved by the Board of Directors of the Company.

时间范围

Reporting Period

2023年1月1日至2023年12月31日。部分表述及数据适当超出上述年份。

The Report covers the period from January 1, 2023 to December 31, 2023. Some statements and data are appropriately beyond the above-mentioned year.

报告范围

Scope of the Report

报告涵盖河钢股份及其所属子分公司。

The Report covers HBIS Limited and its subsidiaries and branches.

报告周期

Reporting Cycle

本报告为年度报告。

The Report is an annual report.

编制依据

Basis of Compilation

- 联合国2030可持续发展目标（SDGs）
United Nations 2030 Sustainable Development Goals (SDGs)
- 国务院国资委《关于国有企业更好履行社会责任的指导意见》
Guiding Opinions on Better Fulfilling Social Responsibilities of State-owned Enterprises issued by the State-owned Assets Supervision and Administration Commission of the State Council
- 中国社会科学院《中国企业社会责任报告指南（CASS-ESG 5.0）》
Guidelines on Corporate Social Responsibility Reporting for Chinese Enterprises (CASS-ESG 5.0) of the Chinese Academy of Social Sciences
- 全球报告倡议组织《可持续发展报告指南》（GRI Standards）
Sustainability Reporting Guidelines (GRI Standards) issued by the Global Reporting Initiative
- 《深圳证券交易所上市公司自律监管指引第1号——主板上市公司规范运作》
Guidelines of the Shenzhen Stock Exchange for Self-regulation of Listed Companies No. 1 - Standardized Operation of Listed Companies on the Main Board Market

数据来源

Data Sources

本报告中的数据来源于公司内部统计报告、公司文件及审计报告等资料，涉及财务方面的数据来自公司2023年年度报告，该部分数据已经由中兴财光华会计师事务所（特殊普通合伙）审计。报告中的财务资料货币币种以人民币为单位，特别说明除外。

The data in the Report is sourced from the internal statistical reports, documents and audit statements of the Company. The financial data is cited from the 2023 Annual Report of the Company, which has been audited by Zhongxingcai Guanghai Certified Public Accountants LLP (Special General Partnership). Unless otherwise specified, all the financial data herein is stated in RMB.

指代说明

Reference explanation

为便于表达和方便阅读，“河钢股份”“公司/本公司”“我们”指代河钢股份有限公司；“集团”“河钢集团”指代“河钢集团有限公司”。

For the convenience of expression and reading, “HBIS Limited”, “the Company” and “We” refer to HBIS Limited; “Group” and “HBIS Group” refer to HBIS Group Co., Ltd.

报告获取

Report Access

本报告是以电子文档形式发布的中文版本。您可在巨潮资讯网（<http://www.cninfo.com.cn>）或河钢股份有限公司网站（<http://www.hebgf.com/site/hggf/responsibility/index.html>）下载。为便于您更加全面具体地了解我们的环境绩效及经营业绩，请关注公司在深圳证券交易所官网及巨潮资讯网等媒体同步发布的《河钢股份有限公司2023年年度报告》。

The Report is issued in electronic form in Chinese version. You can download the Report on CNINFO (<http://www.cninfo.com.cn>) or the website of HBIS Limited (<http://www.hebgf.com/site/hggf/responsibility/index.html>). For a more comprehensive and specific understanding of our environmental performance and business performance, please refer to the *2023 Annual Report of HBIS Limited* simultaneously published on the official websites of media such as Shenzhen Stock Exchange and CNINFO.

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领导致辞



王兰玉

河钢股份有限公司董事长

居诸不息，岁月如流。2023年，是极不平凡的一年，是全面贯彻党的二十大精神、是经济恢复快速发展的一年。河钢股份作为国内最大钢铁上市公司之一，深入学习贯彻习近平新时代中国特色社会主义思想，认真落实河北省委、省政府决策部署和省国资委工作要求，用实干奋斗完善经营治理，用拼搏奉献擦亮生态底色，用使命担当构建和谐社会，不断开创高质量发展新局面。

这一年，我们不断提升公司治理效能，筑牢高质量发展基石。我们把坚持党的领导、加强党的建设作为“根”和“魂”，深入领会“两个确立”的决定性意义，坚决做到“两个维护”；形成权力机构、决策机构、监督机构和经营机构科学分工、各司其职、有效制衡的治理结构，确保公司的决策和管理过程透明、公正、合法；坚持以风险管理为主线、合规管理为基础、法制建设为支撑，为高质量发展提供更有力的保障，实现规章制度、经济合同、重要决策法律审核率100%；将“董事会战略委员会”改组为“董事会战略与ESG委员会”，持续完善ESG治理架构和运行机制，努力将ESG理念融入公司经营管理全过程。

这一年，我们厚植绿色发展底色，统筹提升环保水平。世界钢铁已经进入“中国时代”，中国钢铁应当站在可持续发展的角度，在引领绿色低碳发展方面实现更大作为。我们牢固树立“绿水青山就是金山银山”的理念，

持续践行低碳发展路径，积极落实“双碳”工作；不断推进环保标准化管理，投入16.1亿元用于污染防治和环境改善提升，所属子公司均通过环境管理体系认证；发力节能减碳，通过研发和引进适用技术、优化生产流程，突破超低排放过程中的难点，年度能耗指标按计划完成。

这一年，我们彰显国企责任担当，共同开创美好未来。

我们积极响应国家重点工程项目，为国家工业发展和基础设施建设提供有力支持和保障；与客户建立良好的沟通和合作关系，以优质的产品和服务赢得客户信任；坚定践行开放包容、协力共赢的发展战略，带动上下游企业共同发展，与伙伴携手打造共赢共享的生态圈；秉承“以人为本，开放共享”的理念，为员工提供“创新有舞台，成才有支撑，奋斗有回报”的成长环境，投入1,709.7万元用于员工培训；准确把握共同富裕的内涵要求，投入和引进帮扶资金492万元，实施帮扶项目15个，全面推进乡村振兴；持续反哺社会，继承和弘扬雷锋精神，组织开展志愿服务活动9,264人次，以责任行动润泽更美好生活。

创新引领未来，实干铸就梦想。2024年，我们将继续以习近平新时代中国特色社会主义思想为指导，砥砺奋进、创新突破，抓住发展的重大机遇，全面提高竞争力，不断开创更加美好的未来，在奋力谱写中国式现代化建设河北篇章中作出新的贡献。

Letter from the President

Time flows like a stream. The year 2023 was a year of extraordinary significance, a year to fully implement the spirit of the 20th National Congress of the Communist Party of China, and a year for the rapid recovery and development of the economy. As one of the largest listed iron and steel companies in China, HBIS Limited has thoroughly studied and implemented Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, conscientiously implemented the decisions and arrangements of the CPC Hebei Provincial Committee and the People's Government of Hebei Province as well as the work requirements of the State-owned Assets Supervision & Administration Commission (SASAC) of the People's Government of Hebei Province. We have strived to improve management and governance with practical efforts, highlighted ecological background with hard work and dedication, and built a harmonious society with mission and responsibility. We will continue to create a new situation of high-quality development.

We have continuously improved the efficiency of corporate governance and laid a solid foundation for high-quality development this year. We have taken adhering to the leadership of the Party and strengthening Party building as the foundation and essence, deeply understood the decisive significance of "Two Affirmations", and resolutely achieved the "Two Upholds"; we have formed a governance structure with scientific division of labor, respective functions and effective checks and balances among the authorities, decision-making bodies, supervisory bodies and operating agencies to ensure that the Company's decision-making and management process is transparent, fair and legal; we have adhered to taking risk management as the main line, compliance management as the basis and legal system construction as the support, provided a stronger guarantee for high-quality development, and achieved 100% review rate of rules and regulations, economic contracts and important decisions; we have reorganized the "Strategy Committee of the Board of Directors" to the "Strategy and ESG Committee of the Board of Directors", so as to continuously improve the ESG governance structure and operation mechanism, and strive to integrate the ESG concept into the whole process of the Company's operation and management.

We have been working to enhance sustainable development and coordinated to improve environmental protection this year. The world steel industry has entered the "China era". China's steel industry should make greater achievements in leading green and low-carbon development from the perspective of sustainable development. We have firmly established the concept that "lucid waters and lush mountains are invaluable assets", continued to practice the low-carbon development path, and actively implemented the work of "Dual Carbon"; we

have continued to promote the standardized management of environmental protection, invested RMB 1.61 billion in pollution prevention and control and environmental improvement, and all of our subsidiaries have passed the certification of the environmental management system; we have made efforts to save energy and reduce carbon, improved and solved the difficulties in the process of ultra-low emission through the R&D and introduction of applicable technologies and optimization of production processes, and achieved the annual energy consumption indicators as planned.

We have demonstrated the responsibility of state-owned enterprises and created a better future together this year. We have actively responded to national key engineering projects and provided strong support and guarantees for national industrial development and infrastructure construction; we have established good communication and cooperation with customers to win their trust with high-quality products and services; we have firmly implemented the development strategy of openness, inclusiveness and win-win cooperation, drove the common development of upstream and downstream enterprises, and worked with partners to build a win-win and shared ecosystem; we have adhered to the concept of "People-Oriented, Openness and Sharing", created a growth environment for employees where "they have a stage for innovation, support for talent development, and rewards for their efforts." and invested RMB 17.097 million in employee training; we have accurately grasped the connotation requirements of common prosperity, invested and introduced assistance funds of RMB 4.92 million, implemented 15 assistance projects, and comprehensively promoted rural revitalization; we have contributed to the society, inherited and promoted the spirit of Lei Feng, organized and carried out 9,264 volunteer service activities, and moistened a better society with responsible actions.

Innovation paves the way for the future, and practical work makes dreams come true. In 2024, we will follow the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era and continue to forge ahead and make innovative breakthroughs. We will seize the major opportunity for development, comprehensively improve our competitiveness, constantly create a better future, and make new contributions to building Chinese-style modernization in Hebei Province.

Wang Lanyu,
Chairman of HBIS Limited

走进河钢股份 About Us

公司简介 Company Profile

河钢股份有限公司是由原唐钢股份、邯郸钢铁和承德钒钛三家上市公司强强联合、通过证券市场吸收合并组建的特大型钢铁企业，注册地址为河北省石家庄市。河钢股份是国内大型钢铁上市公司之一，截至 2023 年底，公司总股本 103.37 亿股，是中证 500 指数、深成 500 指数指标股和融资融券标的股，MSCI 中国 A 股指数成份股。

HBIS Limited is a super-large iron and steel enterprise established through the merger of the former Tangsteel Corporation, Handan Iron & Steel Company Limited and Chengde Vanadium Titanium. It is registered in Shijiazhuang City, Hebei Province. HBIS Limited is one of the large-scale listed steel companies in China. As of the end of 2023, the company's total share capital was 10.337 billion shares, which is the benchmark stock of the CSI 500 Index, SZSE COMPONENT 500 Index, and the subject stock of securities margin trading, as well as the constituent stock of the MSCI China A-share Index.

公司拥有世界钢铁行业领先的工艺技术装备，具备进口钢材国产化、高端产品升级换代的强大基础，具备年产 3,000 万吨精品钢材的生产能力，同时也在钒钛钢铁冶炼和钒产品生产技术方面处于世界领先地位。

The Company has the world's leading process and technical equipment in the iron and steel industry, a strong foundation for the localization of imported steel and the upgrading of high-end products. It has an annual production capacity of 30 million tons of high-quality steel, and also takes the lead in vanadium-titanium steel smelting and vanadium product production technology.

公司产品覆盖汽车、石油、铁路、桥梁、建筑、电力、交通、轻工、家电等重要应用领域，200 多个钢材品种替代进口，冷轧薄板、高强螺纹钢筋、中厚板、管线钢等品牌产品在国内外享有盛誉，高端产品助力“华龙一号”核电站、天眼工程、冬奥场馆、雄安新区等系列重大工程项目和科技成果，在“大国重器”中点亮“河钢品牌”。

The Company's products are widely applied in important fields such as automobile, petroleum, railway, bridge, construction, electric power, transportation, light industry and household appliances. More than 200 steel varieties have replaced imported ones. Brand products such as cold-rolled sheets, high-strength deformed bars, heavy and medium plates and pipeline steel enjoy a good reputation at home and abroad. High-end products contribute to a series of major engineering projects and scientific and technological achievements such as the HPR1000 Nuclear Power Plant, the Eye in the Sky Project, the Winter Olympic venues and the Xiong'an New Area, and the "HBIS brand" continued to shine in those "National Important Inventions".



唐钢新区全球领先的绿色智能工厂
The World's Leading Green and Intelligent Factory in Tangsteel New Plant

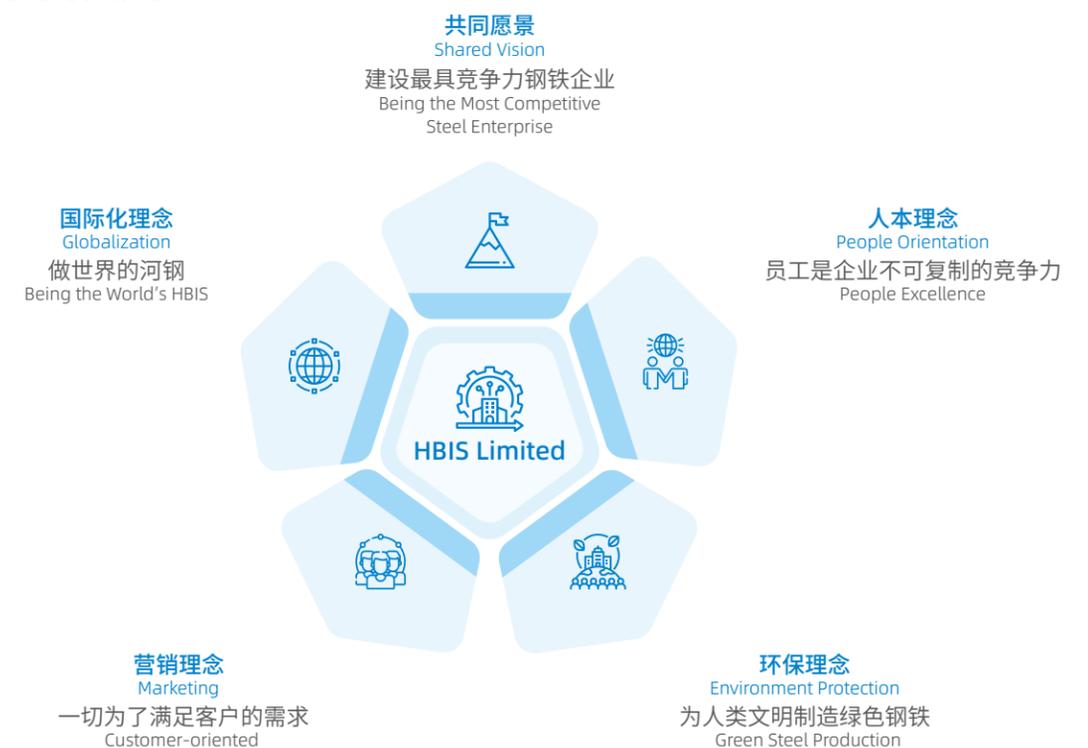
2023 年，公司围绕“一切以效益为中心”的经营理念，以技术升级为手段，坚持向市场要效益，突出“四个更加关注”，坚持“两个结构”优化，提升基础管理水平，强化科技创新，生产经营各项工作得到稳中有有序开展。通过量化差距、量化措施、量化目标，加快释放区域调整优势和潜能，高质量完成了 2023 年生产经营任务。

In 2023, focusing on the business philosophy of "all benefit-centered", taking technological upgrading as a means, the Company has insisted on seeking benefits from the market, highlighted "Four More Concerns", adhered to the optimization of "Two Structures", improved the basic management level, strengthened scientific and technological innovation, and carried out all kinds of production and operation work in a stable and orderly manner. By quantifying the gaps, measures and objectives, the Company has accelerated the release of regional adjustment advantages and potentials and completed the production and operation tasks in 2023 with high quality.



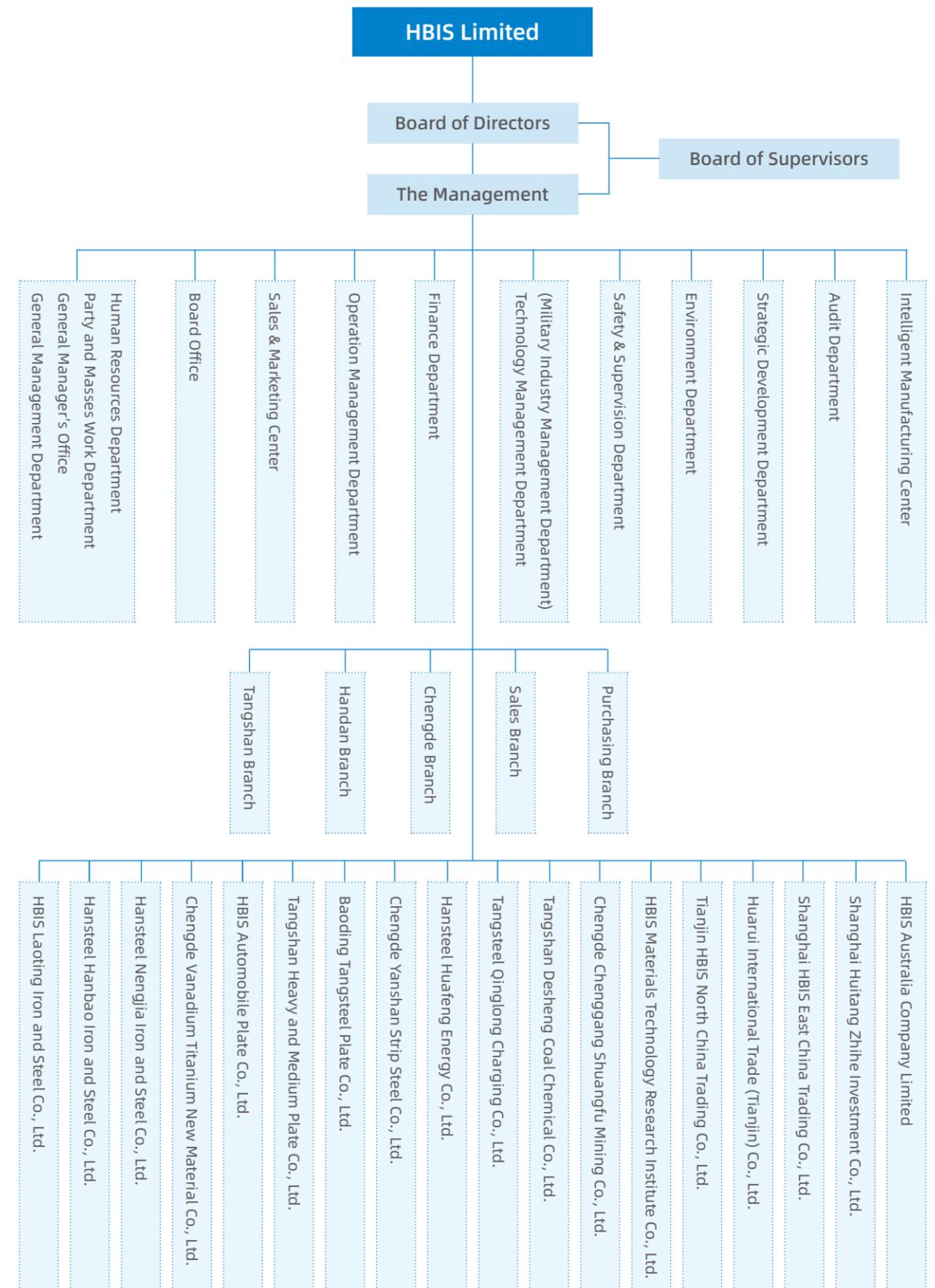
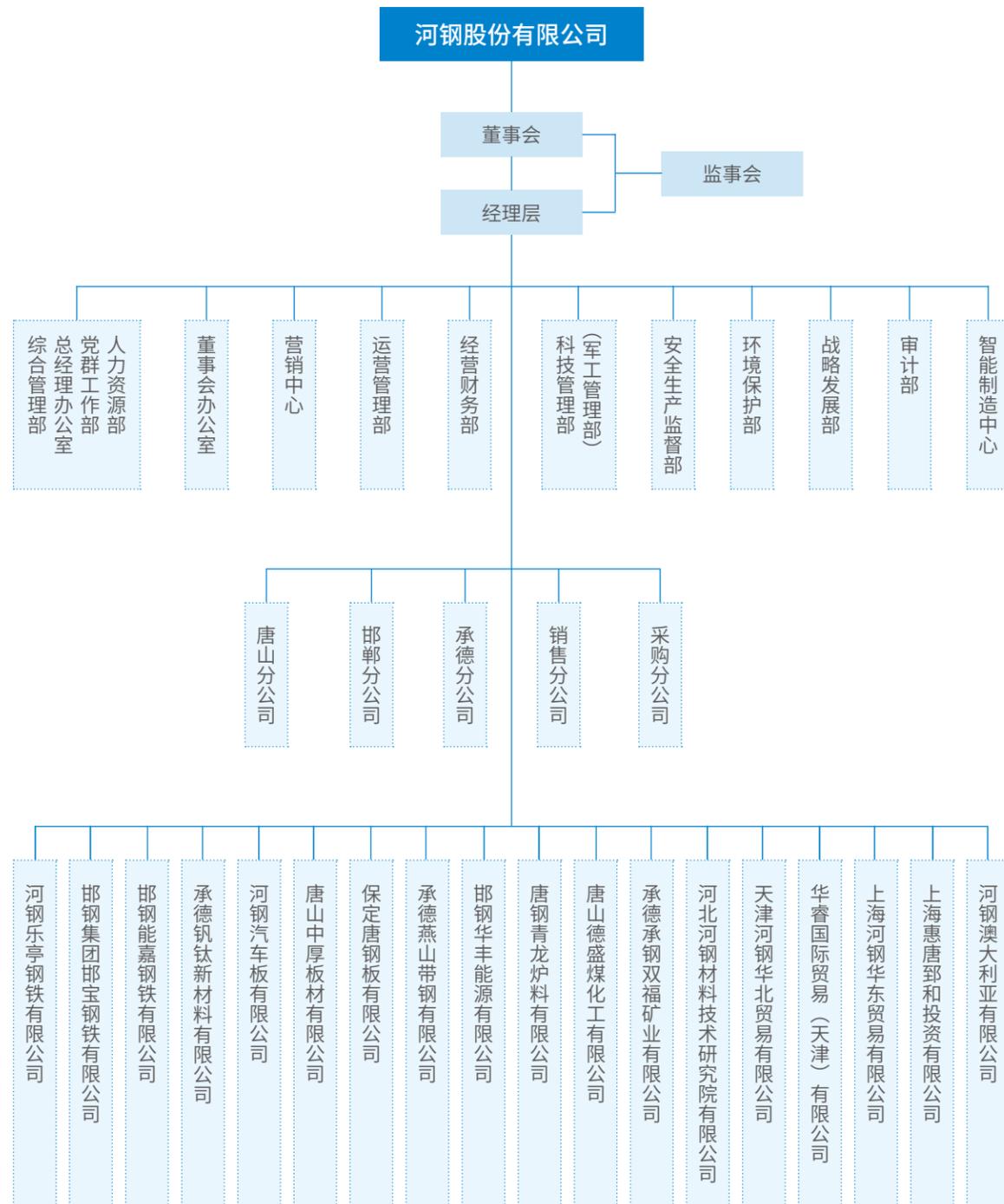
承德钒钛含钒特钢产线
Vanadium-containing Special Steel Production Line of Chengde Vanadium Titanium

企业理念 Corporate Culture



组织架构

Organization Structure



责任聚焦：创新赋能，跑出前进“加速度”

Responsibility Focus: Innovation Empowers and Promotes Rapid Development

习近平总书记在二十大报告中强调，必须坚持科技是第一生产力、人才是第一资源、创新是第一动力，不断塑造发展新动能新优势，加快发展新质生产力。河钢股份作为国内最大的钢铁上市公司之一，深入贯彻习近平总书记关于科技创新的重要论述，坚决落实省委省政府决策部署，充分发挥自身优势，刚性推进研发投入“三年上、五年强”专项行动，向着成为最具竞争力的钢铁企业迈进。

In the Report of the 20th National Congress of the Communist Party of China, President Xi Jinping emphasized that we must adhere to science and technology as the primary productive force, talents as the primary resource, and innovation as the primary driving force. We must continuously create new momentum and advantages for development, and accelerate the development of new quality productivity. HBIS Limited, one of the largest listed steel companies in China, has implemented General Secretary Xi Jinping's statement on scientific and technological innovation. The Company has also resolutely implemented the decisions and arrangements of the CPC Hebei Provincial Committee and the People's Government of Hebei Province. HBIS has given full play to its own advantages and rigidly promoted the special action of strengthening the "stepping up in three years and strengthening strength in five years" R&D investment, aiming to become the most competitive steel enterprise.

加强管理，整合创新资源

Strengthening management and integrating innovation resources

河钢股份以科技创新为核心，进一步优化创新体系，深入推进校企合作，加强知识产权保护，为企业创新发展提供有力保障。2023年，河钢股份实现软著登记107件，申请专利789件，其中新增授权专利数量380件。

With scientific and technological innovation as the core, HBIS Limited has further optimized its innovation system, promoted university-enterprise cooperation, and strengthened intellectual property protection to provide a strong guarantee for enterprise innovation and development. In 2023, HBIS Limited registered 107 software copyrights and applied for 789 patents, including 380 new authorized patents.



搭建研发体系，打造创新高地

Building an R&D system and creating an innovation highland

积极响应集团构建“3+1”大研发体系，参与组建河钢研发中心，建立集团级研发平台、子公司技术中心、产线技术单元三位一体、协作联动的创新体系；创新实施科研课题项目制和“揭榜挂帅”项目，通过揭榜挂帅，集中内部优势力量，精准链接外部研发资源，完善以企业为主导的产学研深度融合的科技创新体系。

HBIS Limited has actively responded to the Group's "3+1" large R&D system, participated in the establishment of the HBIS R&D Center, and established an innovation system integrating group-level R&D platform, technology centers of subsidiaries and production line technical unit with collaboration and linkage; it has innovatively implemented the scientific research project system and the "voluntary leading" project. Through the project, it has concentrated internal advantages, accurately linked external R&D resources, and improved the enterprise-led science and technology innovation system of deep industry-university-institute integration.



深化校企合作，推动成果转化

Deepening university-enterprise cooperation and promoting the transformation of achievements

用好校企合作的研发、人才、技术、应用场景等优势资源，把校企合作推向一个新高度；推动关键核心技术协同创新，依托集团首席科学家团队等资源构建创新联合体，提高成果转化成效。

HBIS Limited has made good use of the advantageous resources such as R&D, talents, technology and application scenarios in university-enterprise cooperation to push university-enterprise cooperation to a new level; promoted collaborative innovation of key core technologies, built an innovation consortium relying on the group's chief scientist team and other resources, and improved the effectiveness of achievement transformation.



河钢研发中心建设落成

Construction of HBIS R&D Center Completed

案例：河钢股份唐山分公司以技术创新助力企业发展

Case: HBIS Limited Tangshan Branch helps the development of enterprise with technological innovation

唐山分公司推动企业创新活动高效开展、创新成果充分转化，依托自主研发课题“项目制”和产学研课题“揭榜制”，广泛举办“知识产权大讲堂”、高价值专利培育等课程，激发广大员工科技创新热情。

Tangshan Branch has promoted the efficient development of enterprise innovation activities and the full transformation of innovative achievements. Relying on the "project system" of independent research and development projects and the "listing system" of industry-university-institute projects, it extensively held courses such as "Intellectual Property Lectures" and high-value patent cultivation to stimulate employees' enthusiasm for scientific and technological innovation.



唐山分公司技术中心

Technology Center of Tangshan Branch

聚焦成果，攻关技术难题

Focusing on achievements and making breakthroughs on key technical problems

河钢股份通过技术升级，创新要素整合，加快形成新质生产力；紧盯国家战略发展和新兴市场需求，加快先进钢铁材料研发，提升盈利能力；瞄准产线难点，以技术攻关、流程再造为方向，降本提质增效；定向研发科技含量更高、附加值更高、应用领域更广泛的定制专属新材料，建设高附加值系列钒钛新材料体系，进一步发展超导材料、耐高温合金材料和不可替代型复合材料。

HBIS Limited has accelerated the formation of new quality productivity through technological upgrading and integration of innovative elements; it has focused on national strategic development and emerging market demand, accelerated the research and development of advanced steel materials, and improved profitability; the Company has aimed at the difficulties of the production lines, and taken technical breakthroughs and process reengineering as the direction to reduce costs, improved quality and efficiency; it has targeted R&D of customized exclusive new materials with higher scientific and technological contents, higher added value and wider application fields will be carried out to build a series of high-value-added vanadium-titanium new material systems, to further develop superconducting materials, high temperature alloy materials and irreplaceable composites.

案例：河钢股份唐山分公司自主创新设计“废钢末端化管理技术”

Case: HBIS Limited Tangshan Branch Independently Innovated and Designed the "Terminal Management Technology of Scrap Steel"

唐山分公司结合产线实际，依托自动炼钢成本系统创新开发“废钢末端化管理技术”，通过多项智能系统的完美衔接，对各类入炉废钢精细化管控，进一步提升钢水冶炼过程中的废钢利用率。

In combination with the actual situation of the production line and relying on the automatic steelmaking cost system, the Tangshan Branch has innovatively developed the "terminal management technology for scrap steel". Through the perfect connection of multiple intelligent systems, it has fine control over all kinds of as-fired scrap steel to further improve the utilization rate of scrap steel in the smelting process of the molten steel.



“废钢末端化管理技术”正式投入应用
Formal Application of "Terminal Management Technology of Scrap Steel"

案例：河钢股份邯郸分公司自主研发微碳钢“转炉—LF精炼—连铸”新工艺

Case: HBIS Limited Handan Branch Independently Developed the New Process of "Converter - LF Refining - Continuous Casting" for Micro Carbon Steel

邯郸分公司成立由骨干技术人员组成的攻关团队，开展微碳钢高品质冶炼新工艺研发技术攻关，以转炉热平衡理论计算与烟气分析技术作为基础，成功研发出微碳钢“转炉—LF精炼—连铸”简流程生产新工艺，解决浇注过程水口堵塞等问题。

Handan Branch established a research team composed of backbone technicians to tackle key technical problems in the R&D of new high-quality smelting processes for micro carbon steel. Based on the theoretical calculation of converter heat balance and flue gas analysis technology, it successfully developed a simple production new process of "converter - LF refining - continuous casting" for micro carbon steel to solve problems such as nozzle blockage during pouring.



微碳钢“转炉—LF精炼—连铸”新工艺产品
Products of Micro Carbon Steel Produced by the "Converter - LF Refining - Continuous Casting" New Process

案例：承德钒钛研发生产最高级别 HRB630E 含钒优特钢

Case: Chengde Vanadium Titanium Developed and Produced the Highest Grade HRB630E Vanadium-containing Quality and Special Steel

承德钒钛充分利用钒钛资源创新工艺技术，努力研发出最高级别HRB630E含钒优特钢产品。该产品是国内目前最高级别含钒抗震钢筋产品，具有强度高、塑性好、耐腐蚀等优良特性，能够降低结构中15%的用材量。2023年，1,000余吨HRB630E含钒优特钢下线，应用于国家基建重点工程建设。

Chengde Vanadium Titanium has made full use of the innovative process technology of vanadium and titanium resources and strived to develop the highest-grade HRB630E vanadium-containing quality and special steel products. This product is the highest-grade vanadium-containing aseismic steel bars in China at present. It has excellent characteristics such as high strength, good plasticity and corrosion resistance, which can reduce 15% of the material consumption in the structure. In 2023, more than 1,000 tons of HRB630E vanadium-containing quality and special steel products were successfully rolled off the production line and applied to national key infrastructure projects.



HRB630E 含钒优特钢产品
HRB630E Vanadium-Containing Quality and Special Steel Products

智能制造，寻求生产“最优解”

Seeking "optimal solutions" for production with intelligent manufacturing

河钢股份成立“智能制造管理委员会”，统筹推进总部信息化和产线智能化建设；以“智慧营销”“智慧物流”“设备全生命周期管理”等项目建设为抓手，建立贯通生产、管理、服务、供应链等企业经营管理各层级的数据链路，为公司持续提升合同拓展能力、产销转换能力、质量保障能力、客户服务能力提供有力支撑；发挥信息技术优势，不断推广新兴技术在钢铁制造全流程典型场景融合应用，构建了一批全流程智能化工厂。2023年，公司围绕《集团产线智能化提升三年行动方案（2021—2023年）》总体规划开展专项工作，完成年度重点推进项目87项，确保三年行动方案全面完成。

HBIS Limited has established the "Intelligent Manufacturing Management Committee" to coordinate and promote the informatization of headquarters and intelligent construction of production lines; the Company has focused on the construction of projects such as "smart marketing", "smart logistics" and "full life cycle management of equipment", established data links connecting all levels of enterprise operation and management such as production, management, service and supply chain to provide strong support for the Company to continuously improve its contract expansion capability, production and sales conversion capability, quality assurance capability and customer service capability; it has given full play to the advantages of information technology, continuously promoted the integration and application of emerging technologies in typical scenarios of the whole process of steel manufacturing, and built a number of intelligent factories for the whole process. In 2023, the Company carried out special works around the master plan of the *Three-year Action Plan for Intelligent Improvement of Group Production Lines (2021-2023)*, completed 87 annual key promotion projects, and ensured that the three-year action plan was fully completed.

案例：设备全生命周期管理系统助力河钢股份

Case: Equipment Life Cycle Management System Supports the Development of HBIS Limited

河钢股份设备全生命周期管理系统以统一 BOM 规则为基础，全面打造设备运、检、维一体化信息管控体系，实现设备管理与采购管理、财务管理等多系统贯通与高效协作，对产线设备精准管控，支撑产线进步与挖潜降本，真正实现产线的智能化。

The HBIS Limited equipment life cycle management system is built on unified BOM rules and is designed comprehensively to be an integrated information control system for equipment operation, inspection, and maintenance. It achieves seamless coordination and efficient collaboration among various systems such as equipment management, procurement management, and financial management. This system accurately controls production line equipment, supports production line progress, exploits potentials, reduces costs, and truly realizes intelligent production lines.



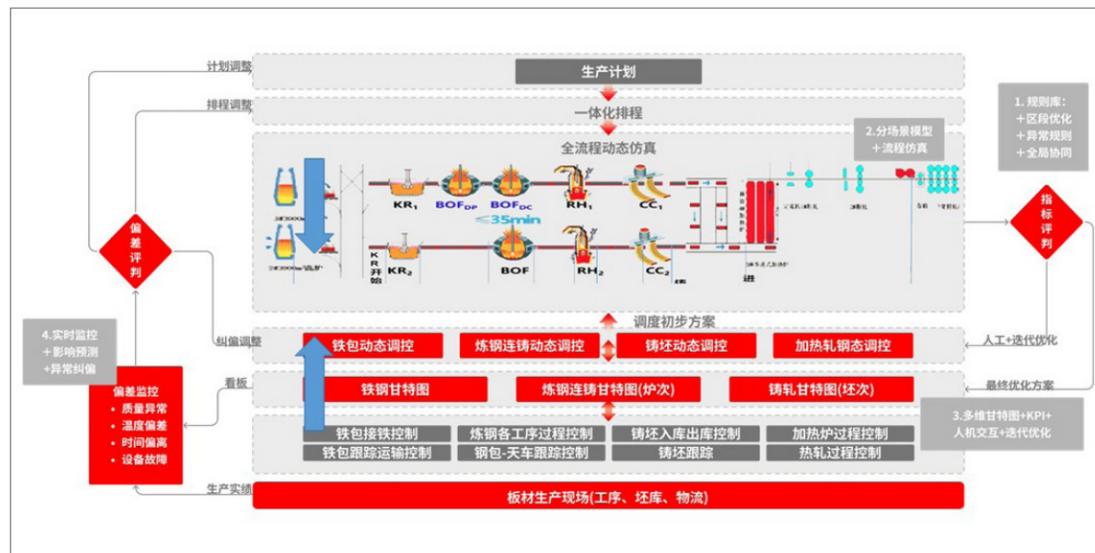
设备全生命周期管理平台
Equipment Life Cycle Management Platform

案例：唐钢新区智能制造系统获得行业认可

Case: Intelligent Manufacturing System of Tangsteel New Plant Obtained Industry Recognition

唐钢新区入选国家工信部智能制造示范工厂，打造国内钢铁企业首个覆盖全生产流程的智能制造体系。其中，“高炉—转炉—连铸—热轧流程优化与一体化调度系统”在行业内首次以五维甘特图开展工序流程解析，形成动态、有序、低成本智能调度优化体系，在行业内获得充分认可。

Tangsteel New Plant was selected as an intelligent manufacturing demonstration factory by the Ministry of Industry and Information Technology, and it aims to build the first intelligent manufacturing system covering the whole production process for domestic steel enterprises. Among them, the "Blast Furnace - Converter - Continuous Casting - Hot Rolling Process Optimization and Integrated Dispatching System" has been used to carry out process analysis with a five-dimensional Gantt chart for the first time in the industry to form a dynamic, orderly and low-cost intelligent dispatching optimization system, and fully obtained the industry recognition.



“高炉—转炉—连铸—热轧流程优化与一体化调度系统”系统架构
Architecture of "Blast Furnace - Converter - Continuous Casting - Hot Rolling Process Optimization and Integrated Dispatching System"

案例：邯钢新区荣获工信部“2023年度智能制造示范工厂”

Case: Hansteel New Plant Won the "Intelligent Manufacturing Demonstration Factory in 2023" by the Ministry of Industry and Information Technology

邯钢新区依托互联网+、云计算、大数据智能化等先进技术，建设了“铁前智慧中心”“数字指挥中心”“邯钢华丰智能中心”三大智能中心，为“数智邯钢”建立起了智慧中枢。2023年10月，邯钢新区荣获工信部“2023年度智能制造示范工厂”。

Relying on advanced technologies such as Internet plus, cloud computing and big data intelligence, Hansteel New Plant has built three smart centers, namely, "Ironmaking Smart Center", "Digital Command Center" and "Hansteel Huafeng Intelligent Center", which has established a smart center for "Digital Smart Hansteel". In October 2023, Hansteel New Plant was awarded the "Intelligent Manufacturing Demonstration Factory in 2023" by the Ministry of Industry and Information Technology.



邯钢新区智慧指挥中心
Hansteel New Plant Intelligent Command Center

案例：承德钒钛“在线运行监测”智能制造场景入选国家级优秀场景

Case: The "Online Operation Monitoring" Intelligent Manufacturing Scenario of Chengde Vanadium Titanium Was Selected as a National Excellent Scenario

2023年11月，承德钒钛“在线运行监测”智能制造场景入选国家级优秀场景。该场景以设备万点受控预警平台为实例，实现设备运行状态在线监测与预警，在相关领域具有很强的推广应用价值。

In November 2023, the "online operation monitoring" intelligent manufacturing scenario of Chengde Vanadium Titanium was selected as a national excellent scenario. This scenario took the equipment's 10,000-point controlled early warning platform as an example to realize online monitoring and early warning of equipment operation status, which has strong promotion and application value in related fields.



承德钒钛厂区环境
Plant Area Environment of Chengde Vanadium Titanium

01 完善治理 厚植发展优势

IMPROVING GOVERNANCE AND STRENGTHENING DEVELOPMENT ADVANTAGES

董事会高效履职

Efficient duty performance of the Board of Directors

合规经营夯基础

Laying a solid foundation for compliant operation

党建引领把方向

Adhering to the leadership of the Party building

ESG 管理强保障

Guaranteeing ESG management

河钢股份围绕“建设最具竞争力钢铁企业”的公司愿景，坚持与时俱进，完善治理机制，持续加强董事会建设；不断健全合规管理体系，提升风险防控能力；加强党风廉政建设，筑牢反腐倡廉防线；努力将ESG理念深植于公司战略，深入推进可持续发展工作，构建充满活力、精简高效、运转流畅的体制机制，切实维护投资者权益，公司价值持续提升。

Centering on the corporate vision of “Being the Most Competitive Steel Enterprise”, HBIS Limited adheres to keeping pace with the times, improves its governance mechanism, and continues to strengthen the construction of the Board of Directors; the Company continuously improves the compliance management system and enhances risk prevention and control capabilities; strengthens the construction of Party conduct and a clean government, and builds a solid defense line against corruption; it has made every effort to deeply embed the ESG concept in the Company’s strategy, further promoted sustainable development, built a dynamic, streamlined and efficient system and mechanism with smooth operation, effectively safeguarded the rights and interests of investors, and continuously improved the value of the Company.

可持续发展
目标



SUSTAINABLE
DEVELOPMENT
GOALS



17 PARTNERSHIPS
FOR THE GOALS



董事会高效履职

Efficient duty performance of the Board of Directors

河钢股份严格按照《公司法》《证券法》和中国证监会《上市公司治理准则》有关规定、深圳证券交易所《股票上市规则》《主板上市公司规范运作》等要求，健全完善的法人治理结构。

HBIS Limited has improved its corporate governance structure in strict accordance with the relevant provisions of the *Company Law*, *Securities Law* and the *Code of Corporate Governance for Listed Companies* issued by the CSRC, the *Stock Listing Rules and the Standardized Operation of Listed Companies on the Main Board Market* issued by Shenzhen Stock Exchange.

治理体系 << Governance system

公司治理体系不断完善，股东大会、董事会、监事会和经理层分工明确、权责清晰，健全决策、执行、监督机制，形成了权力机构、决策机构、监督机构和经营机构之间科学分工、有效制衡的治理结构。

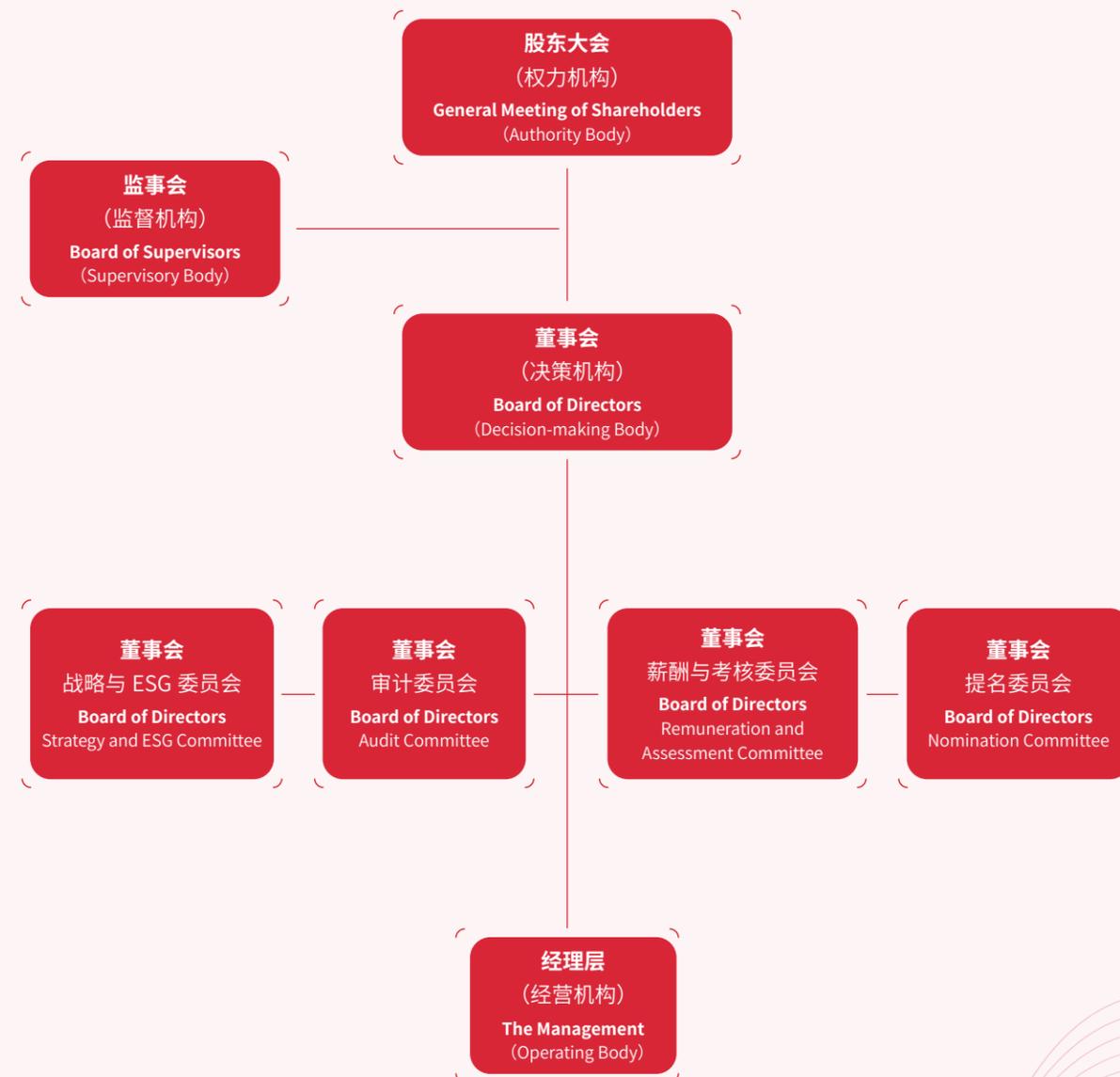
The corporate governance system has been continuously improved. The General Meeting of Shareholders, the Board of Directors, the Board of Supervisors and the management have a clear division of labor with clear powers and responsibilities. The decision-making, implementation and supervision mechanisms have been improved to form a scientific division of labor and effective checks and balances among authorities, decision-making bodies, supervisory bodies and operating bodies.

2023年，公司根据上市公司规范治理要求结合实际情况，对董事会战略与ESG委员会工作细则、董事会审计委员会工作细则、董事会薪酬与考核委员会工作细则、董事会提名委员会工作细则、公司章程等制度进行了修订，进一步制定董事会对董事长及总经理的授权方案、独立董事工作制度等新制度，高质量推进公司规范治理。

Based on the requirements of standardized governance of listed companies and in combination with the actual situation, the Company revised the Working Rules of the Strategy and ESG Committee of the Board of Directors, the Working Rules of the Audit Committee of the Board of Directors, the Working Rules of the Remuneration and Assessment Committee of the Board of Directors, the Working Rules of the Nomination Committee of the Board of Directors, the Articles of Association and other systems in 2023. Through those revisions, the Company further formulated new systems such as the authorization plan of the Board of Directors to the Chairman and General Manager, and the working system of independent directors, which promotes standardized corporate governance with high quality.

董事会组织结构

Organizational Structure of the Board of Directors



董事履职

Duty performance
of directors

公司董事会下设战略与 ESG 委员会、审计委员会、提名委员会、薪酬与考核委员会，各委员会成员组成结构科学合理，在公司治理中充分发挥了专业作用；董事会召集、召开和表决程序符合相关法律法规要求，在公司重大事项决策上起到关键作用。截至 2023 年底，公司董事会共由 11 名董事组成，其中职工董事 1 名，独立董事 4 名，独立董事占比 36%。

The Board of Directors of the Company has set up a Strategy and ESG Committee, an Audit Committee, a Nomination Committee and a Remuneration and Assessment Committee. The composition of each committee member is scientific and reasonable, which fully plays a professional role in corporate governance. The convening, holding and voting procedures of the Board of Directors meet the requirements of relevant laws and regulations and play a key role in making decisions on major matters of the Company. As of the end of 2023, the Company's Board of Directors consists of 11 members, including 1 employee director and 4 independent directors, with an independent director ratio of 36%.

● 截至 2023 年底 As of the end of 2023



公司董事会共由

11 名董事组成

The Company's Board of Directors consists of 11 members



职工董事

1 名

1 Employee director



独立董事

4 名

4 Independent directors



独立董事占比

36 %

An independent director ratio of 36%

股东大会

General meeting of
shareholders

公司严格按照《公司法》《上市公司股东大会规则》《公司章程》等规定程序组织召开股东大会。为提高中小投资者参与投票的便利性，公司采用股东大会网络投票模式，充分保障投资者的参与权和表达权。2023 年，公司召开 4 次股东大会，年度出席会议的股东所代表股份占公司总股份的平均比例为 60.28%。

The Company has organized and convened the General Meeting of Shareholders in strict accordance with the procedures specified in the *Company Law*, the *Rules for the General Meetings of Shareholders of Listed Companies* and the *Articles of Association*. To improve the convenience of small and medium-sized investors' participation in voting, the Company has adopted the online voting mode of the general meeting of shareholders to fully protect investors' right to participate and express themselves. In 2023, the Company held 4 General Meetings of Shareholders. The average proportion of shares represented by shareholders attending the annual meetings to the total shares of the Company was 60.28%.

信息披露

Information
disclosure

公司严格按照有关法律法规及深圳证券交易所的信息披露规则，认真履行信息披露义务，建立常态化的信息披露内部审核流程，不断提高信息披露效率和质量，确保信息披露的真实性、准确性、完整性、及时性、公平性和合法合规性，切实维护投资者的知情权，便于投资者做出投资决策和价值判断。

The Company has conscientiously fulfilled its information disclosure obligations in strict accordance with relevant laws and regulations and the information disclosure rules of the SZSE, established a normalized internal audit process for information disclosure, and continuously improved the efficiency and quality of information disclosure. It has ensured the authenticity, accuracy, completeness, timeliness, fairness and legal compliance of information disclosure, and effectively safeguarded investors' right to know. It is convenient for investors to make investment decisions and value judgments.

2023 年，公司通过指定《中国证券报》《上海证券报》《证券时报》及巨潮资讯网，真实详尽地向投资者披露重要事项，未发生应披露而未披露的情形，不存在因披露违规而受到的处罚事件；通过制定并执行《内幕信息知情人登记管理制度》《外部信息报送和使用管理制度》等制度，有效防范公司内幕交易行为的发生，未发现内幕信息知情人在披露影响公司股价的重大敏感信息前，利用内幕信息买卖公司股份的情况，也未发生因内幕交易被监管部门采取监管措施及行政处罚的情况。

In 2023, the Company disclosed important matters to investors in a true and detailed manner through *China Securities Journal*, *Shanghai Securities News*, *Securities Times* and CNINFO. There are no circumstances that should be disclosed but have not been disclosed. There were no penalties for disclosure violations. The Company effectively prevented the occurrence of insider trading by formulating and implementing systems such as the *Insiders' Registration and Archives Management System* and the *External Information Reporting and Utilization Management System*. It was not found that insiders used inside information to buy or sell shares of the Company before disclosing major sensitive information affecting the share price of the Company. No regulatory measures and administrative penalties have been taken by the regulatory authorities due to insider trading.

投资者关系管理

Investor relationship
management

公司高度重视与投资者的沟通和交流，增进投资者对公司的全面了解。报告期内，公司认真做好投资者咨询电话接听，耐心解答投资者的问题，及时对深圳证券交易所互动平台进行维护，保障投资者与公司沟通渠道的畅通；认真做好机构现场调研活动，积极参加“2023 年河北辖区上市公司投资者集体接待日活动”，就公司治理、发展战略、经营状况和可持续发展等投资者关心的问题进行交流。

The Company attaches great importance to the communication and exchange with investors, so as to enhance their comprehensive understanding of the Company. During the reporting period, the Company carefully answered investors' consultation calls, patiently answered investors' questions, and maintained the interactive platform of SZSE in a timely manner to ensure smooth communication channels between investors and the Company. The Company earnestly carried out on-site research activities of institutions, actively participated in the "2023 Collective Reception Day for Investors of Listed Companies in Hebei Province", and conducted interactive exchanges on issues concerned by investors such as corporate governance, development strategy, business status and sustainable development.

合规经营夯基础

Laying a solid foundation for compliant operation

河钢股份严格遵守相关法律法规，以风险管理为主线、合规管理为基础、法制建设为支撑，持续完善合规管理政策制度，争当依法合规经营的践行者；注重风险与内控管理，提升风险防控能力；坚持诚信经营，打造规范、法治、公平的经营环境，为企业实现健康发展筑牢法治保障根基。

HBIS Limited strictly adheres to relevant laws and regulations, takes risk management as the main line, compliance management as the basis and legal system construction as the support, continuously improves the compliance management policies and systems, and strives to be a practitioner of law-compliant operation. It focuses on risk management and internal control management to enhance risk prevention and control capability, adheres to integrity management, creates a standardized, legal and fair business environment, and lays a solid foundation for the healthy development of enterprises under the rule of law.

合规管理 <<

Compliance management

公司秉承诚信合规的经营理念，注重日常合规管理，坚持常态化监管合规工作，严格依法依规决策，适时修订和完善合规管理制度，保证制度的适用性；不断完善以合规审查、风险排查、合规举报、评价考核等为主要手段的合规管理工作机制，促进公司合规体系整合升级；开展形式多样的守法合规培训，不断增强全员合规意识，实现组织更加健全、制度更加完善，运行机制更加顺畅，员工合规更加牢固，切实为公司高质量发展提供有效的合规支撑。2023年，公司实现规章制度、经济合同、重要决策法律审核率 100%。

The Company has adhered to the business philosophy of integrity and compliance, paid attention to daily compliance management, insisted on regular supervision of compliance work, made decisions in strict accordance with laws and regulations, and revised and improved the compliance management system promptly to ensure its applicability. The Company has continuously improved the compliance management mechanism with compliance audit, risk investigation, compliance reporting, evaluation and assessment as the main means to promote the integration and upgrading of the Company's compliance system. The Company has conducted various forms of law-abiding and compliance training to continuously enhance the compliance awareness of all employees, so as to realize a more sound organization, a more perfect system, a smoother operation mechanism and stronger employee compliance, thus effectively providing compliance support for the high-quality development of the Company. In 2023, the Company achieved a 100% review rate of rules and regulations, economic contracts and important decisions.

● 2023年 In 2023



实现规章制度、经济合同、重要决策法律审核率

100%

Achieved a 100% review rate of rules and regulations, economic contracts and important decisions.

案例：河钢股份唐山分公司开展“法务合规大讲堂”活动

Case: HBIS Limited Tangshan Branch Carried out the "Legal Compliance Lecture" Activity

唐山分公司以“提升法律素养 树牢合规意识”为主题，采取“培训+研讨”的方式，组织开展“法务合规大讲堂”活动，引导全体员工树牢法律和风险防范意识，努力提高全员综合素质。

Tangshan Branch organized and conducted the "Legal Compliance Lecture" activity through "Training + Discussion" with the theme of "Enhancing Legal Literacy and Building Compliance Awareness", guided all employees to build a firm awareness of the law and risk prevention, and endeavored to improve the overall quality of all employees.



唐山分公司员工学习《民法典》担保知识

Employees of the Tangshan Branch Learn the Guarantee Knowledge in Civil Code

风险控制 <<

Risk control

公司着力建设良好的内部控制环境，不断加强内控管理意识，针对企业财务资产安全管理和财务信息真实完整、保障企业经营战略的有效落实情况，对企业经济业务和活动进行审核、识别；依据《企业内部控制基本规范》及其配套指引，将公司及其所属子、分公司的主要业务和事项纳入内部控制的监督和评价范围，并加强对关联交易、对外担保、募集资金使用、重大投资和信息披露等活动的控制，有效提高公司内部控制管理水平，避免日常生产经营活动中可能产生的风险。

The Company strives to build a good internal control environment, continuously strengthens the awareness of internal control management, and reviews and identifies the economic business and activities of the enterprise according to the true and complete financial asset safety management and financial information of the enterprise and the effective implementation of the enterprise's business strategy. According to the *Basic Standard for Enterprise Internal Control* and its supporting guidelines, the Company incorporates the principal business and matters of the Company and its subsidiaries and branches into the scope of internal control supervision and evaluation, and strengthens the control over activities such as related party transactions, external guarantees, use of proceeds, major investments and information disclosure, to effectively improve the management level of the Company's internal control, and avoid possible risks in daily production and operation activities.

商业道德 << Business ethics

公司严格遵守《反不正当竞争法》的规定，自觉加强企业自律行为，反对任何形式的商业贿赂、洗钱、垄断、不正当竞争等行为，严格要求全体员工和供应商恪守商业道德、维护市场竞争秩序；大力培育和弘扬公平竞争文化，推动形成认同公平竞争、践行公平竞争的良好企业氛围。同时，公司拥有健全的反腐败、反商业道德、反劳工准则相关事件报告渠道，并建立申诉与举报机制，及时获取并处理与企业有关的各类诉求。报告期内，公司不存在欺诈交易、商业贿赂、虚假宣传、打不合理价格战、破坏对手商誉等不正当竞争行为。

The Company strictly abides by the provisions of the *Anti-Unfair Competition Law*, consciously strengthens enterprise self-discipline behaviors, and opposes any form of commercial bribery, money laundering, monopolization, unfair competition and other acts. It strictly requires all employees and suppliers to abide by business ethics and maintain market competition order. The Company vigorously cultivates and carries forward the culture of fair competition, and promotes the formation of a good enterprise atmosphere that recognizes and practices fair competition. At the same time, the Company has established sound channels for incident reporting related to anti-corruption, anti-business ethics and anti-labor standards, and has established a grievance and report mechanism to obtain and handle various demands related to the enterprise in a timely manner. During the reporting period, the Company has no unfair competition behaviors such as fraudulent transactions, commercial bribery, false publicity, unreasonable price war and damage to the goodwill of competitors.

党建引领把方向 Adhering to the leadership of the Party building

河钢股份认真学习习近平新时代中国特色社会主义思想，深刻领悟“两个确立”的意义，不断提高“两个维护”的政治自觉，聚焦“学思想、强党性、重实践、建新功”的总要求，深入学习领悟以学铸魂、以学增智、以学正风、以学促干的丰富内涵和实践要求；持续提升党风廉政建设和反腐败工作成效，为公司高质量发展提供坚强保障。

HBIS Limited has earnestly studied Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, deeply understood the significance of "Two Affirmations", and continuously improved its political consciousness of "Two Upholds". It has focused on the general requirements of "learning ideas, strengthening Party attribute awareness, emphasizing practice, and making new achievements". The Company has thoroughly studied and comprehended the rich connotations and practical requirements of "To cultivate one's soul through learning, to enhance one's intelligence through learning, to correct one's style through learning, and to promote one's ability through learning". It has continuously improved the effectiveness of Party conduct and clean government construction and anti-corruption work to provide a strong guarantee for the Company's high-quality development.

深化笃学践行 << Deepening the thought of learning and practice

公司全面贯彻落实党的二十大精神，扎实开展学习贯彻习近平新时代中国特色社会主义思想主题教育，注重“多维发力”，强化理论武装与形势任务教育，加强思想政治建设；将学习与实践紧密结合，聚焦生产经营中心工作、职工群众“急难愁盼”问题，深化调查研究，开展主题先锋赛、“一对一”对标提升行动，强化“靶向攻关”，同步健全完善长效机制，切实将主题教育成果转化为企业推动高质量发展的成效。

The Company has fully implemented the spirit of the 20th National Congress of the Communist Party of China, and earnestly carried out education on the theme of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era. It has focused on making "multi-dimensional efforts", strengthened theoretical armament and situation task education, and strengthened ideological and political construction. The Company closely combines learning with practice, focuses on the work of production and operation centers and the "urgent, difficult, worrying and expected" issues of employees and masses, and deepens investigation and research. The Company carries out theme pioneer competitions and "one-on-one" benchmarking improvement actions, strengthens "targeted tackling", improves long-term mechanisms at the same time, and effectively transforms the achievements of thematic education into the results of enterprises promoting high-quality development.

案例：河钢股份总部机关开展主题党日活动

Case: Headquarters of HBIS Limited Held Theme Party Day Activity

2023年6月，河钢股份总部机关组织基层党员赴石家庄解放纪念馆开展主题党日活动，此次主题党日活动是推动主题教育走深走实的一次现场教学，引导党员干部职工进一步坚定理想信念，厚植宗旨意识，切实把主题教育学习成果转化为履职尽责、推动发展的实际行动。

In June 2023, the headquarters of HBIS Limited organized grass-roots Party members to Shijiazhuang Liberation Memorial Hall for a Theme Party Day activity. This activity was an on-site teaching to promote the deepening and solidification of thematic education, guide party members, cadres and employees to further strengthen their ideals and beliefs, cultivate their sense of purpose, and effectively transform the learning results of thematic education into practical actions to fulfill their duties and promote development.



基层党员参观石家庄解放纪念馆

Grass-roots Party Members Visit Shijiazhuang Liberation Memorial Hall

党风廉政建设 <<

Party conduct and clean
government construction

公司加强党组织与党员队伍建设，完善党风廉政工作体系和反腐倡廉各项制度与检查机制，运用清单明晰责任，持续深化“党委主责、书记首责、纪委专责、班子成员‘一岗双责’”的“四责协同”工作格局，推动全面从严治党不断取得新成效；落实中央八项规定精神，扎实推进深化纠治“四风”和作风纪律专项整治，开展元旦、春节期间廉洁教育、警示教育和常态化正风肃纪工作；对年度新提拔任职的领导干部开展一次廉政谈话、签订一次廉洁从业责任书等“七个一”活动，进一步涵养廉洁文化，大力营造风清气正、干事创业的良好环境。

The Company strengthens the construction of CPC organizations and Party members scales, improves the work system for improving Party conduct and government integrity as well as various systems and inspection mechanisms for combating corruption, and makes clear responsibilities through a list. The Company continuously deepens the “four-responsibilities coordination” working pattern of “main responsibility of the Party Committee, the first responsibility of the secretary, special responsibility of the Discipline Inspection Commission and ‘one post with two sets of responsibilities’ of the leading team members”, to promote new achievements in comprehensively strengthening Party self-governance. The Company implements the spirit of the eight-point frugality code of the CPC Central Committee, and makes solid progress in “deepening the rectification of ‘four conducts’ and special rectification of work style and discipline”. It carries out integrity education, warning education and regular discipline corrections during New Year’s Day and Spring Festival. The Company conducted a “Seven Ones” activity of conducting integrity talks and signing Professional Integrity Responsibility Statements for the newly promoted leaders and cadres, further cultivating a culture of integrity and vigorously creating a good environment of honesty and entrepreneurship.

ESG 管理强保障

Guaranteeing ESG management

河钢股份根据公司战略发展需要，将 ESG 理念融入企业战略并贯穿于每个业务环节，持续完善 ESG 治理架构和运行机制，携手利益相关方在经济、社会和环境各方面履职尽责，共创可持续发展价值。

HBIS Limited has integrated the concept of ESG into its corporate strategy and implemented it throughout every business process in accordance with the company's strategic development needs. It continues to improve its ESG governance structure and operating mechanism, and works with stakeholders to fulfill their responsibilities in all aspects of economic, social, and environmental development, creating sustainable development value.

ESG 治理架构 <<

ESG governance structure

2023 年，河钢股份将“董事会战略委员会”改组为“董事会战略与 ESG 委员会”，优化形成了由董事会、董事会战略与 ESG 委员会、ESG 工作小组三个层级构成的 ESG 治理架构。

In 2023, HBIS Limited reorganized the “Strategy Committee of the Board of Directors” into the “Strategy and ESG Committee of the Board of Directors”, optimizing and forming an ESG governance structure composed of three levels: the Board of Directors, the Strategy and ESG Committee of the Board of Directors and the ESG Working Group.

董事会是 ESG 管理及公开披露的最高责任机构；董事会战略与 ESG 委员会是董事会下设的专门工作机构，主要负责对公司中长期发展战略、重大投资决策、ESG 战略等事项进行研究并提出建议或方案。其中，董事会战略与 ESG 委员会下设办公室作为日常办事机构，职能设在董事会办公室，负责日常工作联络和会议准备工作；ESG 工作小组，由战略发展部、董事会办公室和环境保护部作为牵头单位，负责推进 ESG 相关工作。

The Board of Directors is the highest responsible organization for ESG management and public disclosure. The Strategy and ESG Committee of the Board of Directors is a dedicated work organization under the Board of Directors, which is mainly responsible for studying the Company’s medium and long-term development strategy, major investment decision-making, ESG strategies and other matters and putting forward suggestions or plans. Among them, the Strategy and ESG Committee of the Board of Directors has an office as its daily administrative organization, with functions set up in the Board Office. The office is responsible for daily work liaison and meeting preparation. The ESG Working Group is led by the Strategic Development Department, the Board Office and the Environmental Protection Department to promote ESG-related work.

案例：河钢股份唐山分公司开展“廉洁教育大课堂”活动

Case: HBIS Limited Tangshan Branch Carried Out the "Integrity Education Lecture" Activity

2023 年，唐山分公司开展“廉洁教育大课堂”员工提素活动，以“现场宣讲+表态发言”的方式，推动廉洁教育入脑入心，引导广大员工明确“崇尚廉洁、争当表率”的鲜明导向，在工作中展示新担当、新作为。

In 2023, Tangshan Branch carried out the “Integrity Education Lecture” activity for employee quality improvement to promote integrity education in mind by means of “on-site publicity + speeches”, guide employees to clarify the clear orientation of “advocating integrity and striving for an example”, and show new responsibilities and achievements in work.



唐山分公司开展“廉洁教育大课堂”主题讨论

Tangshan Branch Holds a Theme Discussion on "Integrity Education Lecture"

河钢股份各层级 ESG 工作职责
ESG Responsibilities at All Levels of HBIS Limited



董事会
Board of Directors

- (1) 审议批准公司 ESG 战略、规划、计划和实施方案；
 - (2) 审议批准公司 ESG 治理架构及重要制度；
 - (3) 审议批准公司 ESG 报告；
 - (4) 审议批准涉及公司 ESG 治理重大信息的公开披露；
 - (5) 审议对公司重大影响的 ESG 相关风险、重大 ESG 负面事件应对方案。
- (1) Deliberate and approve the Company's ESG strategy, planning, plan and implementation plan;
- (2) Deliberate and approve the ESG governance structure and important systems of the Company;
- (3) Deliberate and approve the Company's ESG report;
- (4) Deliberate and approve the public disclosure of major information related to ESG governance of the Company;
- (5) Review the response plans for ESG-related risks and major ESG negative events that have a significant impact on the Company.



董事会战略与 ESG 委员会工作职责
Strategies of the Board of Directors and Responsibilities of ESG Committee

- (1) 职责聚焦于对公司 ESG 目标、战略规划、治理架构、管理制度等进行研究并提出建议；
 - (2) 识别和监督对公司业务具有重大影响的 ESG 相关风险和机遇，指导管理层对 ESG 风险和机遇采取适当的应对措施；
 - (3) 审阅并向董事会提交公司 ESG 相关报告。
- (1) The responsibilities focus on researching the Company's ESG goals, strategic planning, governance structure and management system and making suggestions in these regards.
- (2) Identify and supervise any ESG-related risks and opportunities that have a significant impact on the Company's business. Offer guidance and help management take appropriate countermeasures in face of ESG-related risks and opportunities.
- (3) Deliberate and submit the Company's ESG-related reports to the Board of Directors.



ESG 工作小组
ESG Working Group

- (1) 研究起草公司 ESG 治理架构体系方案；
 - (2) 负责收集、整理、编制公司年度 ESG 报告及其他 ESG 信息的公开披露；
 - (3) 管理公司日常运营过程中的 ESG 事宜，协调推进 ESG 事宜落地执行；
 - (4) 其他 ESG 相关事宜。
- (1) Study and draft the ESG governance framework system plan of the Company;
- (2) Be responsible for collecting, sorting out and preparing the Company's annual ESG report and other public disclosure of ESG information;
- (3) Manage ESG matters in the daily operation of the Company, and coordinate and promote the implementation of ESG matters;
- (4) Other ESG-related matters.

ESG 制度体系 <<
ESG system

公司结合有关法律法规和相关规定，制定了《战略与 ESG 委员会工作细则》，拟定了《ESG 治理架构方案》，完善了 ESG 专项管理制度，逐步搭建 ESG 考核和指标体系，全面促进公司 ESG 体系的日臻完善、ESG 管理运作水平的提升。

In combination with relevant laws, regulations and relevant provisions, the Company has formulated the *Working Rules of the Strategy and ESG Committee*, drafted the *ESG Governance Framework Plan*, improved the special ESG management system, gradually established an ESG assessment and indicator system, and comprehensively promoted the daily improvement of the Company's ESG system and the improvement of ESG management operation level.

实质性议题识别 <<
Identification of substantive issues

公司基于国家宏观政策导向、国内外 ESG 标准、战略规划、国内外能源行业与钢铁行业 ESG 议题关注点、社会舆论关注焦点等多种渠道，梳理出公司 15 个关键 ESG 议题，推动 ESG 议题管理有效落地，最大化创造经济、社会和环境价值。

The Company has identified 15 key ESG issues based on various channels such as national macro-policy direction, domestic and foreign ESG standards, strategy planning, the focus of ESG issues in the energy and iron and steel industries at home and abroad and the focus of public opinion, in order to promote the effective implementation of ESG issue management and maximize the creation of economic, social, and environmental value.

河钢股份 ESG 议题库 ESG Issues of HBIS Limited		
董事会建设 Construction of the Board of Directors	安全生产 Work safety	坚持党建引领 Adhering to the guidance of Party building
数字化发展 Digital development	保证产品质量 Guaranteeing product quality	反腐败 Anti-corruption
合规运营 Compliance operations	减少废弃物排放 Reducing waste emissions	供应链责任 Supply chain responsibility
助力社区发展 Facilitating community development	节约能源资源 Saving energy and resources	推动行业发展 Boosting industrial development
ESG 管理 ESG management	坚持创新驱动 Adhering to innovation-driven development	员工权益保护 Protecting rights and interests of employees

利益相关方沟通

Communication with stakeholders

公司注重与利益相关方的沟通与交流，积极组织开展利益相关方交流活动，深入了解利益相关方的实际需求；注重提升运营管理水平，通过投资者说明会、机构调研、业绩说明会、电子邮件沟通、互动平台等方式或途径，就公司治理、发展战略、经营状况等利益相关方关心的问题进行交流，及时识别和回应各方意见、建议和诉求。截至 2023 年，公司 ESG 信息披露渠道主要有 ESG 报告、公司官网、公司年报及其他合作的媒体单位。

The Company attaches importance to the communication and exchange with stakeholders, actively organizes and carries out stakeholder exchange activities to deeply understand the actual needs of stakeholders; focuses on improving the level of operation management, conducts good exchanges on issues concerning stakeholders such as corporate governance, development strategy and operating status through investor briefings, institutional researches, performance briefings, telephone and email communication, interactive platforms, etc., to identify and respond to opinions, suggestions and demands from all parties in a timely manner. As of 2023, the ESG information disclosure channels of the Company mainly include ESG reports, the official website, annual reports and other cooperative media units.

利益相关方 Stakeholders	政府 Government	投资者 Investors	员工 Employees	客户 Customers	合作伙伴 Partners	社区 Communities	环境 Environment
对河钢股份的诉求 Appeal to HBIS Limited	合规运营 Compliance operation 依法纳税 Tax payment according to law 带动地区发展 Driving regional development	完善公司治理 Improvement of corporate governance 及时的信息披露 Timely information disclosure 公司持续盈利 Sustained profitability	搭建职业发展通道 Building a career development channel 丰富的薪酬福利 Abundant remuneration and benefits 完善健康安全保障体系 Improving the health and safety guarantee system	产品与服务创新 Product and service innovation 保障客户权益 Protecting customers' rights and interests 提升客户满意度 Improving customer satisfaction	公开、公平的采购 Open and fair procurement 互利共赢 Mutual benefit and win-win 共同发展 Common development	积极融入社区 Actively integrating into communities 开展志愿活动 Conducting volunteer activities	节能减排 Energy conservation and emission reduction 保护生态 Protecting the ecology
河钢股份的回应 Response of HBIS Limited	遵守法律法规 Compliance with laws and regulations 主动纳税 Active tax payment 提供就业岗位 Providing employment posts 配合政府监察工作，完善内部合规监察制度 Cooperating with the government supervision work and improving the internal compliance supervision system	提升内控水平 Improvement of the level of internal control 定期信息披露 Regular information disclosure 保障股东权益 Protecting shareholders' rights and interests	完善员工招聘、晋升等内部管理制度 Improving the internal management system such as employee recruitment and promotion 为员工提供工作生活保障 Providing employees with work and life security 丰富员工生活 Enriching the life of employees	加强科技与管理创新 Strengthening innovation in science and technology and management 坚持诚信经营 Adhering to honest management 积极回应客户需求 Actively responding to customer needs	打造责任供应链 Creating a responsible supply chain 坚守商业道德 Adhering to business ethics 合作与交流 Cooperation and exchange	开展公益项目 Implementing public welfare services 助力乡村振兴 Supporting rural vitalization	践行绿色管理 Implementing green management 推进绿色制造 Promoting green manufacturing 开发环保产品 Developing environmentally friendly products

ESG 能力建设 <<

ESG capacity building

河钢股份积极响应河钢集团可持续发展的承诺，通过编制发布 ESG 报告、开展 ESG 培训等举措，将 ESG 理念融入公司管理的全过程，更好地践行环境、社会、治理方面的责任理念，塑造企业价值。2023 年，河钢股份开展 ESG 培训 4 次，共 174 人次参与。

HBIS Limited actively responds to the commitment to sustainable development of HBIS Group, and integrates the ESG concept into the whole process of company management through measures such as preparing and releasing ESG reports and carrying out ESG training, to better practice the responsibility concept in the environment, society and governance and shape enterprise value. In 2023, HBIS Limited carried out 4 ESG trainings with a total of 174 participants.



ESG 荣誉 <<

ESG Honors



证券日报 2023 ESG 先锋践行者案例证书
Certificate of 2023 ESG Pioneer Practitioner Case from Securities Daily



中国上市公司协会 2023 年上市公司 ESG 优秀实践案例证书
Certificate of 2023 Excellent ESG Practice Cases of Listed Companies from CAPCO



国有企业上市公司 ESG · 先锋 100 指数 (2023) 证书
Certificate of ESG Pioneer 100 Index of Central Enterprises (2023)

02 久久为功 绘就生态底色

MAKING GREAT EFFORTS AND ESTABLISHING A
SOUND ECOSYSTEM

助力双碳开新局

Supporting "Dual Carbon" for opening up a new chapter

环境管理明路径

Environmental management for blazing a clear path

绿色生产稳推进

Steady progress in green production

绿色运营计长远

Long-term green operation

河钢股份坚持“为人类文明制造绿色钢铁”的环保理念，坚持以习近平生态文明思想为指引，积极响应河钢集团低碳绿色发展行动计划，在助力“双碳”战略、环境管理、绿色生产、绿色运营等方面采取有力措施，推动企业环保升级、绿色转型，着力打造“低资源消耗、环保型生产、低成本制造”的绿色钢铁循环经济产业链，建设清洁、低碳、循环、可持续发展的绿色钢铁企业。

HBIS Limited adheres to the environmental protection concept of "manufacturing green steel for human civilization", insists on taking Xi Jinping Thought on Ecological Civilization as a guide, actively responds to the low-carbon and green development action plan of HBIS Group, and takes effective measures in promoting the "Dual Carbon" strategy, environmental management, green production, green operation and other aspects to promote the upgrading and transformation of enterprise environmental protection. The Company is striving to build a green steel circular economy industrial chain featuring "low resource consumption, environmentally friendly production and low-cost manufacturing", and building clean, low-carbon, circular and sustainable green steel enterprises.



助力双碳开新局

Supporting "Dual Carbon" for opening up a new chapter

随着全球气候变化的日益加剧，钢铁行业面临着前所未有的挑战和压力。河钢股份充分认识到气候变化对自身经营所带来的潜在影响，积极探索实现“碳达峰、碳中和”的有效路径，通过成立董事会战略与ESG委员会，从战略高度加强气候相关风险管理，采取措施减少自身碳排放、降低生产经营对环境的影响；以目标为导向，进一步强化考核，同时增加正向激励，编制并与所属子公司签订《节能减排目标责任书》，制定《河钢股份环保专项考核办法》《河钢股份环保绩效评级指标考核办法》等，为生产经营提供稳定保障；根据国内外气候变化和环保政策及法规的变动，及时调整公司经营策略，围绕绿色生产、低碳发展、内部管理和合作伙伴等几个方面来应对气候变化，助力企业的可持续发展。

With the increasing global climate change, the iron and steel industry is facing unprecedented challenges and pressures. HBIS Limited fully recognizes the potential impact of climate change on its own operations, and actively explores effective ways to achieve "Carbon Peaking and Carbon Neutrality". The Company strengthens climate-related risk management from a strategic perspective by establishing the Strategy and ESG Committee of the Board of Directors and takes measures to reduce its own carbon emissions and the environmental impact of production and operation. It takes the goal as the guide, further strengthens the assessment and increases positive incentives at the same time. The Company has prepared and signed the *Responsibility Statement of Energy Conservation and Emission Reduction Target* with subsidiaries, formulated *Special Assessment Measures for Environmental Protection of HBIS Limited* and *Assessment Methods for Environmental Performance Rating Indicators of HBIS Limited* to provide stable guarantees for production and operation. According to the changes in climate change and environmental protection policies and regulations at home and abroad, the Company has timely adjusted its business strategy to cope with climate change by focusing on green production, low-carbon development, internal management and partners, so as to help the sustainable development of the enterprise.

2023年，河钢股份直接温室气体排放量（范畴一）为5,086万吨二氧化碳当量，间接温室气体排放量（范畴二）为233万吨二氧化碳当量。

In 2023, the direct greenhouse gas emissions of HBIS Limited (Scope I) were 50.86 million tons of CO₂eq, indirect greenhouse gas emissions (Scope II) were 2.33 million tons of CO₂eq.

● 2023年 In 2023



直接温室气体排放量（范畴一）

5,086 万吨二氧化碳当量

The direct greenhouse gas emissions of HBIS Limited (Scope I) were 50.86 million tons CO₂eq



间接温室气体排放量（范畴二）

233 万吨二氧化碳当量

Indirect greenhouse gas emissions (Scope II) were 2.33 million tons CO₂eq

河钢股份应对气候变化举措

Measures of HBIS Limited to address climate change



加大对绿色技术的投资力度，引进先进的环保设备和生产技术、采用清洁能源、提高资源利用效率；

Increase investment in green technologies, introduce advanced environmental protection equipment and production technologies, adopt clean energy and improve resource utilization efficiency;



通过推行绿色办公、加强对员工的风险意识和抗风险技能培训等措施和行动，不断推进可持续发展工作取得实效；

Continuously promote sustainable development and achieve practical results through measures and actions such as implementing green office, strengthening risk awareness of employees and training on anti-risk skills;



不断加强与政府的密切合作，了解政策走向和法规要求，积极响应政府的号召和倡议；

Continuously strengthen close cooperation with the government, understand policy trends and regulatory requirements, and actively respond to government calls and initiatives;



加强与行业组织紧密合作，共同制定行业标准和规范，推动行业可持续发展；

Strengthen close cooperation with industry organizations to jointly formulate industry standards and specifications and promote the sustainable development of the industry;



积极参与环保活动和倡议，提高企业自身的环保形象和声誉；

Actively participate in environmental protection activities and initiatives to improve the enterprise's own environmental image and reputation;



加强与学术机构的合作，共同研发先进的科研成果和技术，持续推动企业的可持续发展。

Strengthen cooperation with academic institutions, jointly develop advanced scientific research achievements and technologies, and continuously promote the sustainable development of enterprises.

案例：唐钢新区获评河北省首批碳管理体系建设试点示范单位

Case: Tangsteel New Plant was Rated as the First Batch of Pilot Demonstration Units for the Construction of Carbon Management System in Hebei Province

2023年12月，唐钢新区顺利通过河北省生态环境厅的名单公示，获评2023年河北省首批碳管理体系建设试点示范单位，标志着唐钢新区在绿色低碳技术创新、低碳制钢技术发展、碳管理体系建设等方面迈上了新台阶。

In December 2023, Tangsteel New Plant was successfully announced by the Department of Ecology and Environment of Hebei Province as one of the first batch of pilot demonstration units for carbon management system construction in Hebei Province in 2023, marking a new level in green and low-carbon technology innovation, low-carbon steelmaking technology development, and carbon management system construction.



唐钢新区全景
Panorama of Tangsteel New Plant

案例：河钢股份唐山分公司首次使用 DRI 产品成功轧制“低碳钢”

Case: HBIS Limited Tangshan Branch Successfully Rolled "Low-Carbon Steel" with DRI Products for the First Time

唐山分公司在高铁钢生产过程中添加辅助原料——DRI 产品，可减少 10% 至 30% 二氧化碳排放，有利于逐步实现长流程减碳生产向短流程生产工艺转变，从源头减少钢铁生产的碳足迹。2023年6月20日，唐山分公司首批添加 DRI 产品为原料的汽车用低合金高强度钢顺利下线，产品成分控制和表面质量均达到预期目标。

Tangshan Branch can reduce carbon dioxide emissions by 10% to 30% by adding auxiliary raw materials - DRI products in the production process of high-strength steel, which is conducive to gradually realizing the transformation from long-process carbon reduction production to short-process production technology and reducing the carbon footprint of steel production from the source. On June 20, 2023, the first batch of low-alloy high-strength steels for automobiles with DRI products as raw materials was successfully rolled off the production line. The product composition control and surface quality reached the expected goals.



工作人员对“低碳钢”进行检查
A Staff is Inspecting the "Low-Carbon Steel"

环境管理明路径

Environmental management for blazing a clear path

河钢股份将环境建设、管理和保护纳入经营管理全过程，不断完善环境管理体系，加强环保标准化管理；加强风险隐患排查整治，筑牢环保合规底线；编制应急预案，主动应对突发环境事件，确保公司可持续发展战略的实施，不断提升环保绩效水平，保障企业高质量发展。2023年，河钢股份环保投入16.1亿元用于污染防治和环境改善提升，实现了突发环境事件和重大环境违法事件为“零”、环保行政处罚为“零”。

HBIS Limited incorporates environmental construction, management and protection into the whole process of operation and management, continuously improves the environmental management system and strengthens the standardized management of environmental protection; strengthens the investigation and rectification of risks and hidden hazards to build a solid bottom line for environmental compliance; prepares emergency response plans, actively responds to environmental emergencies, ensures the implementation of the Company's sustainable development strategy, continuously improves the level of environmental protection performance, and ensures the high-quality development of enterprises. In 2023, HBIS Limited invested RMB 1.61 billion in pollution prevention and environmental improvement, achieving "zero" environmental emergencies and major environmental violations and "zero" administrative penalties for environmental protection.

环境管理体系

Environmental management system

公司以环境管理体系运行为核心，环保三级标准化管理为路径，持续加强基础管理，全面分析并梳理环保及现场管理流程，完善环保制度规程，顺利通过环保三级标准化管理审核，环境管理水平得到持续提升；各子分公司依据国家法律法规及相关要求，在建设项目中严格执行环评评估制度，有效降低负面环境影响。2023年，河钢股份所属子公司均通过环境管理体系认证。

The Company takes the operation of the environmental management system as the core, and the three-level standardized management of environmental protection as the path to continuously strengthen basic management. The Company has comprehensively analyzed and sorted out the environmental protection and on-site management processes, improved the environmental protection systems and procedures, successfully passed the three-level standardized management audit of environmental protection, and continuously improved the environmental management level. Following national laws, regulations and relevant requirements, all subsidiaries and branches strictly implement the environmental assessment system in construction projects to effectively reduce negative environmental impacts. In 2023, all subsidiaries of HBIS Limited passed the environmental management system certification.

环保隐患排查

Investigation of potential environmental hazards

公司坚持问题导向、精准治污、科学治污、依法治污，督促落实各级环保督察反馈问题的整改，坚持以改促治、以改促建，持续打好污染防治攻坚战。2023年，公司开展环保联查活动，深入子分公司进行督导检查，对于发现的问题隐患，责令进行限期整改，并确保依法依规整改到位，有效防范化解生态环境风险。

The Company adheres to problem-oriented, precise pollution control, scientific pollution control and law-based pollution control, supervises the implementation of rectification of problems fed back by environmental protection inspectors at all levels, insists on promoting treatment through reform and construction through reform, and continues to fight a tough battle against pollution prevention and control. In 2023, the Company carried out environmental protection joint inspection activities and conducted supervision and inspection in subsidiaries and branches. The problems and hazards found were ordered to be rectified within a time limit, and rectification was ensured according to laws and regulations to effectively prevent and resolve ecological environment risks.

编制应急预案 <<

Preparation of emergency response plan

河钢股份各子分公司严格按照要求编制应急预案并在地方政府部门备案，确保公司能够及时、科学、有效地应对突发环境事件，最大限度地降低突发环境事件对环境造成的影响。在预警响应方面，河钢股份各子分公司严格落实重污染天气应急管控措施，A级企业积极配合地方政府开展自主减排；尚未获得A级环保绩效的企业严格执行“一厂一策”应急管控减排措施，有效改善区域空气质量。

All subsidiaries and branches of HBIS Limited have prepared emergency response plans in strict accordance with the requirements and filed them with local government departments to ensure that the Company can respond to environmental emergencies in a timely, scientific and effective manner and minimize the impact of environmental emergencies on the environment. In terms of early warning response, all subsidiaries and branches of HBIS Limited have strictly implemented emergency control measures for heavy-pollution weather. Class A enterprises actively cooperate with local governments to carry out independent emission reduction. Enterprises that have not yet obtained Class A environmental protection performance strictly implement the "one policy for one factory" emergency control and emission reduction measures to effectively improve regional air quality.

环保绩效评级 <<

Environmental performance rating

公司积极响应河北省开展钢铁等重点行业环保绩效创A相关决策部署，持续践行绿色发展理念，积极组织开展环保绩效评价，用高水平环保绩效管理推动公司转型升级、绿色发展。唐钢新区、邯宝公司和中厚板公司积极开展超低排放改造，中厚板公司2023年被评为环境绩效A级企业，唐钢新区和邯宝公司成功通过2023年A级复核。

The Company has actively responded to the relevant decisions and arrangements of Hebei Province on environmental protection performance creation in key industries such as steel, continuously practiced the concept of green development, actively organized and carried out environmental protection performance evaluation, and promoted the transformation, upgrading and green development of the Company with high-level environmental protection performance management. Tangsteel new plant, Hanbao Company and Heavy and Medium Plate Company actively carried out ultra-low emission transformation. In 2023, Heavy and Medium Plate Company were rated as Grade A enterprises with environmental performance, and the former two companies successfully passed the 2023 Grade A review.

中厚板公司 2023 年被评为环境绩效 **A** 级企业

In 2023, Heavy and Medium Plate Company were rated as Grade A enterprises with environmental performance

唐钢新区和邯宝公司成功通过 2023 年 **A** 级复核

Tangsteel New Plant and Hanbao Company successfully passed the 2023 Grade A review

绿色生产稳推进

Steady progress in green production

河钢股份致力于持续引领钢铁行业的绿色低碳转型发展，推广应用绿色低碳技术，为公司绿色低碳转型提供技术支撑；节约能源资源，提高能源资源利用效率；减少“三废”排放，推动实现减污降碳协同增效；加快形成绿色低碳运输方式，扩大绿色低碳产品供给，为降低碳排放强度作出有力贡献。

HBIS Limited is committed to continuously leading the green and low-carbon transition and development of the iron and steel industry, promoting the application of green and low-carbon technologies, and providing technical support for the Company's green and low-carbon transition; saving energy and resources and improving the utilization efficiency of energy resources; reducing the emission of "three wastes" and promoting the synergy between pollution reduction and carbon reduction; accelerating the formation of green and low-carbon transportation modes, expanding the supply of green and low-carbon products, and making strong contributions to reducing carbon emission intensity.

应用环保技术 <<

Application of environmental protection technology

公司持续加大绿色低碳技术研发和推广力度，促进资源循环利用，从生产源头减少“三废”产生，明显改善区域环境质量；在唐钢新区应用多项世界先进的绿色环保新工艺、新技术，并利用数字化平台实现生产过程的智能化和精细化，切实提升公司生产效率及核心竞争力。

The Company continues to strengthen the research, development and promotion of green and low-carbon technologies, promotes the recycling of resources, reduces the generation of "three wastes" from production sources, and significantly improves regional environmental quality. It has applied many world-leading green and environmentally friendly new processes and technologies in Tangsteel New Plant, and utilized the digital platform to realize intelligent and refined production processes, thus effectively improving the production efficiency and core competitiveness of the Company.



河钢股份 2023 年绿色技术研发项目
Green Technical R&D Project of HBIS Limited in 2023

转炉熔渣气化脱磷循环炼钢关键技术 Converter Slag Gasification Dephosphorization Cycle Steelmaking Technology

转炉熔渣脱磷潜能巨大，在溅渣护炉阶段进行气化脱磷后可用于下一炉次，实现钢液低温脱磷，产生经济效益和节能减排效果。

Converter molten slags have great potential for dephosphorization, it can be used in the next furnace after gasification and dephosphorization at the slag splashing stage to realize low-temperature dephosphorization of liquid steel, thus generating economic benefits and energy conservation and emission reduction effects.

废钢末端化管理技术 Terminal Management Technology for Scrap Steel

该技术涵盖多项智能系统，使废钢加入全过程得到高效、精准控制。技术应用以来，转炉终点命中率提升 3%，补吹率降低至 1.42%，有效降低生产成本。

The technology involves a number of intelligent systems that enable efficient and precise control of the entire process of adding scrap steel. Since the application of the technology, the end hit rate of the converter has been increased by 3%, and the make-up blowing rate has been reduced to 1.42%, which effectively reduces the production cost.

超快冷技术 Ultra-fast Cooling Technology

该技术运用细晶、析出等强化手段，降低高强钢合金元素添加量，达到充分释放 2050 产线工艺潜力的目的，对产线实现降本增效、产品性能提升、绿色化生产起到重要作用。

This technology reduces the addition of alloying elements in high-strength steel by means of fine graining, precipitation and other strengthening measures to fully release the process potential of the 2050 production line, which plays an important role in reducing costs and increasing efficiency, improving product performance and greening production.

电磁感应加热技术 Electromagnetic Induction Heating Technology

该技术有利于进一步提升作业效率和产品质量，为产线持续应用绿色低碳的直轧工艺创造良好条件。

This technology is conducive to further improving the operation efficiency and product quality, and creating good conditions for the continuous application of green and low-consumption direct rolling process in the production line.

转炉自动装铁技术 Automatic Iron Charging Technology for Converter

该技术通过柔性精准控制和高度标准化作业，从源头上进一步减少烟尘排放，降低能源消耗，提升产线效率，实现真正的“绿钢”生产。

Through flexible precise control and highly standardized operation, this technology can further reduce smoke emissions from the source, reduce energy consumption, improve production line efficiency, and realize true “green steel” production.

案例：河钢股份开展氢基竖炉还原——电热熔分利用钒钛磁铁矿新工艺研究

Case: HBIS Limited carried out new technology research on hydrogen-based shaft furnace reduction - electrothermal furnace melting separation of vanadium titano-magnetite

针对传统高炉冶炼钒钛磁铁矿存在工序能耗高、有价元素回收率低的技术瓶颈，河钢股份践行低碳环保理念，提出并开展氢基竖炉还原——电热熔分利用钒钛磁铁矿新工艺研究，有效实现钒、钛、铁的低碳高值化利用。2023 年，公司已打通基于配矿利用的承德分公司钒钛矿氢基还原——电热熔分工艺，Fe、V、Ti 回收率分别达到 97%、90% 和 93%。

Aiming at the technical bottleneck of high process energy consumption and low recovery rate of valuable elements in vanadium titano-magnetite smelting by traditional blast furnaces, HBIS Limited has practiced the concept of low carbon and environmental protection, proposed and carried out new technology research on hydrogen-based shaft furnace reduction - electrothermal furnace melting separation of vanadium titano-magnetite to effectively realize the low-carbon and high-value utilization of vanadium, titanium and iron. In 2023, the Company got through the hydrogen-based reduction - electrothermal furnace melting separation of vanadium titano-magnetite based on ore blending utilization in the Chengde Branch, with Fe, V and Ti recoveries reaching 97%, 90% and 93% respectively.



60 万吨级钒钛矿氢基还原示范线

Demonstration Line for Hydrogen-based Reduction of 600,000 Tons of Vanadium Titano-magnetite

节约能源资源 <<

Saving energy and resources

河钢股份持续健全和完善能源管理体系，积极推广应用清洁能源，推动能源结构优化；大力发展循环经济，有效提升能源资源利用效率。公司坚持开源与节流相结合、优水优用、污水再利用的原则，积极采取节水和替代措施，减少或消除影响水资源可持续利用的行为。2023 年，公司实现固废 100% 循环利用。

HBIS Limited continues to improve its energy management system, actively promotes the application of clean energy and promotes the optimization of energy structure; vigorously develops circular economy and effectively improves the utilization efficiency of energy resources. The Company adheres to the principle of combining revenue increase with expenditure reduction, optimizing water use and reusing sewage, and actively takes water saving and alternative measures to reduce or eliminate behaviors affecting the sustainable utilization of water resources. In 2023, the Company realized 100% recycling of solid wastes.

能源消耗绩效

Energy consumption performance

能源消耗总量
Total energy consumption

1,869.7852 万吨标准煤

18,697,852 tons of coal equivalent

清洁能源使用量
Volume of clean energy utilization

356 吨

356 tons

年度用水总量
Total annual water consumption

460,671.6725 万吨

4,606,716,725 tons

新鲜水用水量
Fresh water consumption

7,270.6976 万吨

72,706,976 tons

节水量
Quantity of water saved

9,118.0209 万吨

91,180,209 tons

循环用水量
Circulating water consumption

453,400.9749 万吨

4,534,009,749 tons

案例：唐钢新区对高炉渣进行综合利用

Case: Comprehensive Utilization of Blast Furnace Slag in Tangsteel New Plant

唐钢新区建设的高炉矿渣粉磨生产线，与3座高炉产生的高炉渣形成产能配套，配套建设有全封闭矿渣储存库、全封闭矿渣微粉储存仓及其他附属设施，实现了高炉渣生产全过程的高效利用。

The blast furnace slag grinding production line constructed by Tangsteel New Plant was matched with the blast furnace slag produced by three blast furnaces in terms of capacity. It was equipped with a fully enclosed slag storage warehouse, a fully enclosed slag powder storage bin and other ancillary facilities to realize efficient utilization of the whole process of blast furnace slag production.



全封闭矿渣储存库
Totally Enclosed Slag Storage

减少“三废”排放

Reducing the discharge of
“three wastes”

河钢股份致力推进减污降碳工作，助力实现“双碳”目标。2023年，公司污染物排放浓度和排放总量全部达到国家和地方排放标准要求，唐钢新区和中厚板公司荣获河北省“无废企业（工厂）”称号。

HBIS Limited is committed to promoting pollution and carbon reduction, helping achieve “the dual carbon” goals. In 2023, all the pollutant emission concentrations and total discharge amounts of the Company met the requirements of national and local emission standards. Tangsteel New Plant and Heavy and Medium Plate Company won the “Zero Waste Enterprise (Factory)” title in Hebei Province.



废气
Waste gas

积极开展重点区域、重点时段、重点因子、重点问题、重点行业综合治理攻坚，全力改善大气环境质量，以良好的环境空气质量助力经济社会高质量发展。

The Company actively carries out comprehensive treatment of key areas, key periods, key factors, key problems and key industries, makes every effort to improve the atmospheric environment quality, and promotes high-quality economic and social development with good ambient air quality.



废水
Waste water

各子分公司均建有污水处理设施，并加强废水深度治理设备设施日常维护，确保高效运行，增加回用水量。2023年，河钢股份三家分公司实现废水“零”排放。

All subsidiaries and branches have built wastewater treatment facilities and strengthened the daily maintenance of equipment and facilities for advanced wastewater treatment to ensure efficient operation and increase recycled water consumption. In 2023, three branches of HBIS Limited achieved “zero” discharge of waste water.



固废
Solid wastes

各子分公司均建有固废管理制度，一般固体废物采取自行利用、委托利用的方式实现100%循环利用；危险废物除了自行利用的部分外，委托有资质的厂家进行处置。

All subsidiaries and branches have established a solid waste management system. General solid waste is 100% recycled by self-use or entrusted use. Hazardous wastes are disposed of by qualified manufacturers except for the part that is self-used.

“三废”排放绩效

“Three Wastes” Emission Performance

废水排放量
Sewage discharge

821,801 立方米

821,801m³

废气排放量
Exhaust emissions

102,013,731 吨

102,013,731 tons

案例：河钢股份邯郸分公司开展焦化系统固（危）废综合循环利用项目

Case: HBIS Limited Handan Branch Carried out the Comprehensive Recycling Project of Solid (Hazardous) Waste in Coking System

为彻底解决焦化系统固（危）废处置问题，邯郸分公司积极探索固危废“减量化、资源化、无害化”新路径，建设新型冷压块资源化综合利用项目，创新实现了由单一固废处理转为多种固废综合循环利用，打造焦化系统重点固废“全部回收利用不出厂”模式，极大减轻了企业的环保成本和处置风险。

To completely solve the problem of solid (hazardous) waste disposal in the coking system, Handan Branch has actively explored a new path for "reduction, recycling and harmless" of solid and hazardous wastes and built a new comprehensive utilization project of cold pressing block resources. This has innovatively realized the transformation from single solid waste treatment to comprehensive recycling of multiple solid wastes and created a mode of "full recovery without delivery" of key solid wastes in the coking system. It greatly reduces the environmental protection cost and disposal risk of enterprises.



多种固废综合循环利用设备
Comprehensive Recycling Equipment for Various Solid Wastes

发展绿色运输 <<

Developing green transportation

河钢股份不断推进清洁运输工作，推广新能源运输方式，淘汰高排放运输工具；按照《钢铁企业超低排放评估监测技术指南》及地方要求，进一步加强车辆门禁监督管理，规范使用门禁系统，根据物料分布、货场面积等实际情况，组织安装视频监控系統并与公司门禁联网，完善清洁运输管理。2023年，公司国六车运输比例达到80%，预计2024年电力重卡运输比例达到80%。

HBIS Limited continues to promote clean transportation, popularizes new energy modes of transportation and eliminates high-emission means of transport. According to the *Technical Guidelines for Assessment and Monitoring of Ultra-low Emissions in Iron and Steel Enterprises* and local requirements, the Company further strengthens the supervision and management of vehicle access control, standardizes the use of access control systems, organizes the installation of video surveillance systems according to the actual situation such as material distribution and freight yard area, and connects them with the Company's access control network to improve clean transportation management. In 2023, the transportation proportion of China VI vehicles reached 80%, and it is estimated that the transportation proportion of electric heavy trucks will reach 80% in 2024.



清洁运输车队
Clean Transport Fleet

案例：河钢股份承德分公司推行“散改集”绿色运输新模式

Case: HBIS Limited Chengde Branch Promoted the New Green Transportation Mode of "Containerized Transportation of Bulk"

2023年，承德分公司物流公司积极响应国家“公转铁”政策，结合企业进厂物资实际，全面推行“散改集”绿色运输新模式，以更加环保的运输模式跑出绿色物流发展“加速度”。

In 2023, the logistics Company of the Chengde Branch actively responded to the national policy of "highway-to-railway" and fully implemented the new green transportation mode of "containerized transportation of bulk" in combination with the actual situation of enterprises' incoming materials, to accelerate the development of green logistics with a more environmentally friendly transportation mode.



正面吊卸车设备进行卸车作业
Unloading Operations by a Reach Stacker

提供绿色产品 <<

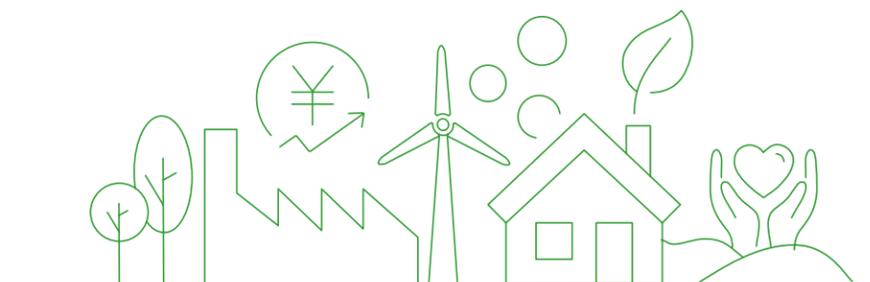
Providing green products

河钢股份打造唐钢新区、邯钢新区等绿色生产基地，扩大绿色低碳产品供给，生产更多符合绿色低碳要求、生态环境友好、应用前景广阔的新产品，形成绿色低碳交通用钢、清洁安全能源材料、新型绿色结构材料、绿色高端特种材料等系列产品。

HBIS Limited has built green production bases such as Tangsteel New Plant and Hansteel New Plant, expanded the supply of green and low-carbon products, produced more new products that meet the green and low-carbon requirements, that are ecologically friendly and have broad application prospects, and formed a series of products such as green and low-carbon transportation steel, clean and safe energy materials, new green structural materials and green high-end special materials.

公司采用绿色包装，主要使用可回收利用的铁质打包带和纸板制品，并根据实际发运需要，不断优化终端产品包装方案，在保证包装质量的前提下，鼓励一线员工尽量减少包装用材。

The Company adopts green packaging, mainly using recyclable iron packing straps and cardboard products. According to the actual shipping needs, it continuously optimizes the terminal product packaging plan and encourages front-line employees to minimize packaging materials on the premise of ensuring packaging quality.



案例：首卷应用直接还原铁生产的汽车用钢在唐山分公司下线

Case: The First Roll of Automotive Steel Produced by Applying Direct Reduction Iron Rolled off the Production Line in the Tangshan Branch

我国首卷应用高品质高比例氢冶金洁净原料DRI产品生产的超低排放低碳材料汽车用钢在唐山分公司下线。此次研发生产的超低排放低碳材料汽车用钢，采用的原料是河钢集团120万吨氢冶金示范工程生产的直接还原铁产品，与传统“碳冶金”工艺流程相比，该技术可使二氧化碳、二氧化硫、氮氧化物、粉尘颗粒排放量分别降低70%、30%、70%、80%以上。

The first roll of ultra-low emission and low carbon automotive steel produced by applying high quality and high proportion hydrogen metallurgy clean raw material DRI products was rolled off the production line in Tangshan Branch. The raw materials used for the ultra-low emission and low carbon material automotive steel this time were developed and produced by applying direct reduction iron products produced by the 1.2 million tons of hydrogen metallurgy demonstration project of HBIS Group. Compared with the traditional "carbon metallurgy" process flow, this technology can reduce the emissions of carbon dioxide, sulfur dioxide, nitrogen oxides and dust particles by more than 70%, 30%, 70% and 80% respectively.



超低排放低碳材料汽车用钢
Ultra-low Emission and Low Carbon Material Automotive Steel

绿色运营计长远 Long-term green operation

河钢股份始终秉持绿色发展理念，致力于打造资源节约型、环境友好型的现代化绿色钢铁企业，积极开展绿色低碳专题培训，形成绿色低碳新风尚；倡导绿色办公，让绿色发展真正落地生根；保护生态环境，助力推进美丽中国建设。

HBIS Limited has always adhered to the concept of green development, committed to building a resource-saving and environment-friendly modern green steel enterprise, actively carried out special training on green and low carbon, and formed a new trend of green and low carbon. The Company has advocated green office and green development; protected the ecological environment and promoted the construction of a beautiful China.

培育绿色文化 << Cultivating green culture

公司按照专业安排培训计划、培训内容，对固废危废管理记录、台账和综合信息、辐射等内容进行培训，针对突发环境事故开展应急演练，提升员工环保履职能力。2023年，公司精准策划绿色低碳培训4次，邀请战略研究院、材料院等相关专家对公司绿色低碳发展规划与实践等内容进行专题培训，营造“绿钢”氛围。

The Company arranges training plans and training content according to different disciplines and conducts training on solid and hazardous waste management records, ledgers, comprehensive information, radiation, etc. It also conducts emergency drills for sudden environmental accidents to improve employees' ability to perform their duties in environmental protection. In 2023, the Company precisely planned four green and low-carbon training sessions and invited experts from the Strategic Research Institute, the Materials Institute and other relevant institutes to conduct special training on the Company's green and low-carbon development planning and practice, to create a "green steel" atmosphere.

践行绿色办公 << Practicing green office

公司坚持以“环保、节能”为核心理念，建立绿色办公机制，倡导员工自觉节水、节电，推行无纸化办公；强化办公用品周转使用管理与循环利用，对常用办公用品统一规格、型号，降低采购成本和更换维修成本。2023年，河钢股份进行线上视频会议465次。

The Company adheres to the core concept of "environmental protection and energy conservation", establishes a green office mechanism, advocates employees to consciously save water and electricity, and promotes paperless office; strengthens the turnover management and recycling of office supplies, unifies the specifications and models of commonly used office supplies, and reduces procurement costs and replacement and maintenance costs. In 2023, HBIS Limited held 465 online video conferencing sessions.

守护生态文明 << Safeguarding ecological civilization

公司重视生态修复和环境保护，每年组织下属单位开展植树造林、地球一小时等环保公益活动，形成全员参与的环保氛围；根据厂区地理位置、季节特点和气候特征，因地制宜搭配种植各种绿色植物，发动全体员工加强厂区环境建设与环境保护，改善厂区环境质量，打造园林式厂区和绿色发展新样板。

The Company attaches great importance to ecological restoration and environmental protection. It organizes subordinate units to carry out environmental protection public welfare activities such as afforestation and Earth Hour every year to form an environmental protection atmosphere with full participation. The Company has planted various green plants based on the geographical location, seasonal characteristics, and climatic features of the factory areas. All employees are mobilized to enhance the environmental construction and maintenance of the factory area, improving its environmental quality and creating a new model for green development and garden-style factories.

截至2023年，公司下属生产基地均已建成花园式工厂，真正形成了“厂在林中，林在厂中，花鸟共融，人在景中”的生态格局，生物多样性得到了有效保护。

By 2023, all of the company's production bases have been built into garden-style factories, truly forming an ecological pattern of "factories in the forest, forests in the factories, where birds, flowers and people coexist". This transformation has effectively protected biodiversity.



承德钒钛绿色厂区
Green Plant Area of Chengde Vanadium Titanium



唐钢新区花园式厂区
Garden-style Plant Area of Tangsteel New Plant

03 携手并进 谱写美好篇章

WORKING TOGETHER AND CREATING A BETTER FUTURE

精益品质塑匠心

Lean quality shaping ingenuity

伙伴合作谋共赢

Cooperating with partners for win-win results

凝聚人才向心力

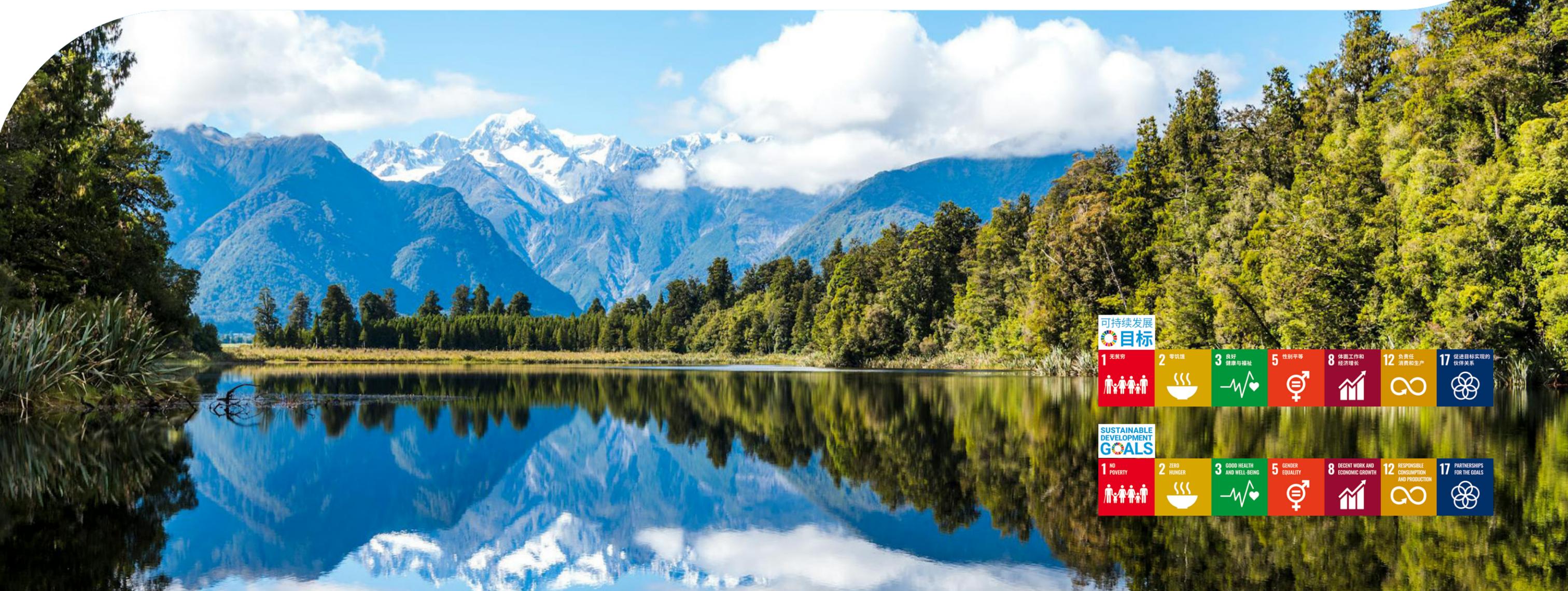
Consolidate talents' cohesive affinity

公益向善为民生

Offering public welfare benefits to better people's livelihood

河钢股份切实履行对合作伙伴、公司员工、社会公众的责任，以匠心品质铸就产品，以不忘初心打造品牌，引领企业走出卓越质量之路；与伙伴共商合作、共谋发展，持续引领行业革新，共建行业新生态；坚持“员工是企业不可复制的竞争力”的人本理念，致力于打造新时代人才队伍；以向善的力量展现企业新时代担当，共创美好未来、共建和谐社会。

HBIS Limited earnestly fulfills its responsibilities to partners, employees and the public. It creates products with ingenuity and quality, builds brands with original aspiration, and leads enterprises on a road of excellent quality; cooperates with partners for common development, continues to lead industry innovation and jointly builds a new ecology of the industry; adheres to the humanistic concept that "people excellence" and strives to build a talent team in the new era; shows the enterprise's responsibility in the new era with the power of kindness, creates a better future and builds a harmonious society together.



精益品质塑匠心

Lean quality shaping ingenuity

河钢股份突出“四个更加关注”，坚持“两个结构”优化，面向国家重大战略需求，全力开展关键核心技术攻关；深入洞悉高端需求，着力打造高品质产品；提供有“温度”的客户服务，保障客户权益，赢得客户信赖。

HBIS Limited highlights "Four More Concerns", adheres to the optimization of "Two Structures" and makes every effort to tackle key core technologies in line with major national strategic needs. The Company has a deep understanding of high-end demands and strives to create high-quality products. It provides customer services with "warmth" to protect customers' rights and interests and win their trust.

服务国家战略 <<

Serving national strategies

河钢股份始终将国家利益和发展放在首位，为国家工业发展和基础设施建设提供有力支持和保障。2023年，公司积极参与“一带一路”菲律宾水利工程、中国电建重点光伏项目、雄安轨道交通R1线项目等国家重点工程项目建设。

HBIS Limited has always put national interests and development first, providing strong support and guarantees for the country's industrial development and infrastructure construction. In 2023, the Company actively participated in the construction of national key projects such as the Water Conservancy Project in the Philippines along the "Belt and Road", Key PV Projects of PowerChina, and the Xiong'an Rail Transit Line R1 Project.

2023年，公司聚焦国家重大战略，瞄准能源用钢，壮大风电、光伏等新能源领域产品储备，提供强大产品支撑：

In 2023, the Company focused on major national strategies, aimed at steel for energy, expanded product reserves in new energy fields such as wind power and PV, and provided strong product support:

- 成功开发出抗高压氢脆性能优异的输氢管线钢，解决长距离、大规模氢能运输用钢行业难题；

Successfully developed hydrogen transmission pipeline steel with excellent resistance to high-pressure hydrogen embrittlement, solving the problems of long-distance and large-scale hydrogen energy transportation iron and steel industry;
- 技术支撑 X80 管线钢通过千吨鉴定，主导技术标书撰写，通过国家管网评审；

Provided technical support for the X80 pipeline steel to pass the 1,000-ton appraisal, led the preparation of technical bid documents and passed the national pipe network review;
- 780MPa 易焊接钢突破表层冲击波动大的行业难题，性能合格率提升 24%，达到行业领先水平；

Broke through the industry problem of large surface impact fluctuation on 780MPa easy-to-weld steel, and improved its performance qualification rate by 24%, thus reaching the leading level in the industry;
- 420MPa 高强风电钢研发实现风电塔筒轻量化，大幅降低风电工程全寿命周期成本，提升市场竞争力；

Realized the lightweight wind power tower concerning the research and development of 420MPa high-strength wind power steel, significantly reducing the full life cycle cost of wind power projects, and enhancing market competitiveness;

- 超高强中薄规格防护用钢防护性能达到国内领先水平，推动国防装备迭代升级；

The protective performance of ultra-high strength medium and thin specifications protection steel has reached the leading level in China, promoting the iterative upgrading of national defense equipment;

- 为某国际客户定制化开发 99.6% 高纯钒，首次实现催化领域批量应用。

Customized development of 99.6% high-purity vanadium for an international customer, realizing batch application in the catalysis field for the first time.



光伏用钢支持绿色发电

PV Power Steel Supports Green Power Generation

案例：河钢股份唐山分公司助建世界首个“水热同产同送”技术示范项目

Case: HBIS Limited Tangshan Branch contributed to the Construction of the World's First "Combined Heat and Water" Technology Demonstration Project

唐山分公司依托产销研平台优势，调研和掌握工程项目用钢需求，全面做好售前、售中、售后服务，以优异的产品质量和全面的营销服务，赢得客户青睐。2023年4月，由唐山分公司生产的一批高品质优质钢材顺利送达国家“十四五”规划重点工程——山东海阳核能综合利用示范项目，为该项目提供了可靠的材料支持。

Relying on the advantages of production, sales and research platforms, Tangshan Branch investigated and mastered the steel demand for engineering projects, provided comprehensive pre-sale, in-sale and after-sales services, and won customers' favor with excellent product quality and comprehensive marketing services. In April 2023, a batch of high-quality steel produced by Tangshan Branch was delivered to the Demonstration Project for Comprehensive Utilization of Nuclear Energy in Haiyang, Shandong, a key project in China's 14th Five-Year Plan, providing reliable material support for the project.



唐山分公司高品质优质钢材

High-quality Steel from Tangshan Branch

案例：承德钒钛产品直供“一带一路”沿线国家

Case: Chengde Vanadium Titanium supplies products directly to countries along the "Belt and Road"

承德钒钛高质量参与“一带一路”共建，积极对接“一带一路”沿线国家基础设施建设需求，持续提升含钒优特钢市场占有率和品牌影响力。2023年12月，承德钒钛620吨非标定尺的含钒优特钢直供“一带一路”沿线国家巴布亚新几内亚。经检测，产品性能和表面质量完全满足客户需求。

Chengde Vanadium Titanium actively follows the "Belt and Road" Initiative with a high level of quality, aligning itself with the infrastructure construction needs of countries along the "Belt and Road". The Company continuously increases its market share and brand influence of its vanadium-containing quality and special steel. In December 2023, Chengde Vanadium Titanium supplied 620 tons of non-standard-sized vanadium-containing quality and special steel directly to Papua New Guinea, a country along the "Belt and Road". Upon testing, the product performance and surface quality fully met the customer demands.



承德钒钛含钒优特钢产品

Vanadium-containing Quality and Special Steel Bars from Chengde Vanadium Titanium

提供优质产品 <<

Providing high-quality products

河钢股份大力弘扬精益求精的工匠精神，“瞄准”高端用户需求，全面加强质量管理，持续打造具有竞争力的产品，提升品牌价值和市场地位。

Vigorously promoting the craftsmanship spirit of constant improvement and refinement, HBIS Limited "targets" the requirements of high-end users, comprehensively strengthens quality management, and continuously creates competitive products to enhance brand value and market position.

关注用户需求

Focusing on user requirements

公司聚焦高端用户需求，精准提供材料解决方案，推动钢铁初级产品向半成品、下道工序镶嵌式转变，推动结构性产品向功能性产品转变，实现与高端客户的无缝衔接，产品档次持续迈向高端。

The Company focuses on the requirements of high-end users, precisely provides material solutions, and establishes a thinking mode of embedding the transition from primary steel products to semi-finished products and the next processing step. It promotes the transition from structured products to functional products and achieves seamless integration with high-end customers, continuously elevating the product grade towards high-end.

为客户提供 180MPa 高抗凹性、长时效期外板应用综合解决方案，成功斩获造车新势力近千吨订单；

The Company has provided customers with comprehensive solutions for the application of 180MPa outer panels with high dent resistance and long-term durability, successfully winning nearly orders of one thousand tons from new automobile manufacturers.

1.8GPa 超高强度含铌热成形钢以优异的耐撞性与吸能性，实现在某款新能源汽车最新车型前门防撞梁上的小批量试制；

For its 1.8GPa ultra-high-strength niobium-containing hot-formed steel, the Company has achieved small-batch trial manufacturing of the front door crash beam of a new model of a new energy vehicle due to its excellent crashworthiness and energy absorption.

高强韧工程管材用钢强塑积超过 13GPa，优于客户需求标准，成功斩获两批次订单，实现国内首发。

The strong plasticity product of high-strength and tough engineering pipe steel exceeds 13GPa, which is superior to the customer demands and standards. The Company has won orders of two batches and achieved the first shipment in China.



超高强度热成型钢助力汽车轻量化

Ultra-high-strength Hot-formed Steel Reducing Vehicle Weight

案例：邯宝公司开展 EVI 技术营销，助力汽车板新客户材料切换

Case: Hanbao Company launches EVI technology marketing to assist in material substitution for a new customer of automobile sheets

邯宝公司技术中心积极主动对接客户技术人员，结合零件成型特点和刚度、表面等要求，筛选最优方案，推荐给客户应用，并派遣工作人员驻场开展技术交流和指导，确保下线零件完全满足客户要求。目前，邯宝公司正式进入该客户供应商目录，双方建立了稳定合作关系。

The staff of the Technology Center of Hanbao Company actively interfaces with the customer's technicians, considering the characteristics of part forming, stiffness, surface requirements, and other factors to screen for the optimal solution. The Technical Center dispatches staff members to the site to engage in technical exchanges and provide guidance, ensuring that the parts produced fully meet the customer's requirements. Hanbao Company has officially entered the customer's supplier directory and established a stable cooperative relationship with the customer.



邯宝公司冲压汽车用钢

Stamped Automobile Steel from Hanbao Company

提升产品质量

Boosting product quality

公司以质量目标为导向，加速技术变革、流程优化和组织创新，推进质量现代化管理；为进一步满足发展需求，制定了适用于公司的质量体系文件和质量管理制度，搭建质量管理平台，不断推动质量管理体系和产品质量的提升。2023年，公司开展用户体验对标，准确把握用户诉求与潜在需求；通过质量月活动，对322户重点客户开展用户走访，对接解决产品质量和服务等问题81项。报告期内，公司产品出厂合格率达到100%。

Guided by quality objectives, the Company accelerates technological changes, process optimization, and organizational innovation to modernize quality management. To further satisfy development requirements, the Company has developed quality system documents and a quality management system tailored to its operations and established a quality management platform, continuously improving both its quality management system and product quality. In 2023, the Company benchmarked user experience to accurately capture user requirements and potential needs. Through the Quality Month initiative, it conducted visits to 322 key customers and addressed 81 issues related to product quality and services. The ex-factory pass rate of the Company's products reached 100% during the reporting period.

案例：河钢股份唐山分公司焊接气瓶热轧钢 HP295 被审定冠名为“金杯优质产品”

Case: HP295 hot-rolled steel for welding gas cylinders from HBIS Limited Tangshan Branch has been approved and awarded the title of "Golden Cup High Quality Product"

唐山分公司瞄准高端制造和行业精尖材料，深度对接市场需求，加强产销研协同攻关，着力提高焊接气瓶用热轧钢板和钢带HP295有效供给、高质量供给。根据中国钢铁工业协会发布的2023年度冶金产品实物质量品牌培育产品名单，唐山分公司焊接气瓶用热轧钢板和钢带HP295被审定冠名为“金杯优质产品”，为进一步打开焊瓶用钢市场、提高气体容器市场占有率打下了坚实基础。

Targeting high-end manufacturing and precision materials in the industry, Tangshan Branch intensely aligns with market demands and strengthens collaborative research efforts among production, sales, and research teams. It focuses on improving the effective and high-quality supply of HP295 hot-rolled steel plates and strips for welding gas cylinders. According to the list of products for the physical quality brand cultivation of metallurgical products in 2023 released by the China Iron and Steel Association, Tangshan Branch's HP295 hot-rolled steel plates and strips for welding gas cylinders have been awarded the title of "Golden Cup Quality Product." This achievement has laid a solid foundation for further expanding the market for steel for welding gas cylinders and increasing the market share of gas containers.



唐山分公司 HP295 产品
HP295 Products from Tangshan Branch



承德钒钛定制生产含钛特色工程机械用钢
Customized Titanium-containing Characteristic
Engineering Machinery Steel from Chengde
Vanadium Titanium

优化客户服务

Improving customer service

河钢股份将客户的肯定视作企业前进发展的最大动力，坚持主动完善客户服务体系，为客户提供优良的产品及优质的服务，提升品牌价值。

HBIS Limited regards recognition from customers as the greatest force for the Company's development. It adheres to actively improving its customer service system and offers excellent products and services to customers, enhancing brand value.

优化客户体验

Improving customer experience

公司坚持“一切为了满足客户的需求”的理念，积极为客户创造价值的同时，不断优化客户体验，深化客户端研发中心建设，主动完善客户服务体系，全方位服务客户，以卓越服务提升“河钢”品牌价值。

While adhering to the concept of "Customer-Oriented" and actively creating value for customers, HBIS Group constantly optimizes customer experience, deepens the construction of a customer R&D center, and actively improves customer service systems. In this way, it serves customers in an all-around manner and enhances the brand value of HBIS with excellent service.

2023年，公司进一步全面优化业务流程，完善相关制度，下发并落实《面向客户的高质量服务提升产品竞争力工作方案》，通过快速建立规范的网点管理模式、搭建客户服务平台和客户管理平台、完善产销一体化协调机制、推行“嵌入式”管理模式等，高效解决客户关心的痛点问题，规范开展客户管理工作；研究制定《涉密技术信息管理办法》，保障客户信息安全，持续促进客户满意度提升。

In 2023, the Company further optimized its business processes, improved relevant systems, issued and implemented the *Work Plan for Improving Product Competitiveness through High-Quality Customer Service*, and efficiently resolved customers' pain points by establishing a standardized outlet management model, building customer service and management platforms, improving the integrated production and sales coordination mechanism, and implementing an "embedded" management model. It standardized customer management operations and researched and formulated the *Administrative Measures for Confidential Technical Information* to protect customer information and continuously promote customer satisfaction.

积极应对投诉

Actively responding to complaints

公司落实“对质量投诉统一管理”等具体工作，实现质量投诉统一受理；将400电话、在线客服、吊牌扫码、OA 邮箱等路径的客户诉求信息整合至呼叫中心系统，形成台账记录，及时快速解决客户诉求；在年度客户满意度调查基础上，新增战略客户月度满意度调查，动态监测收集战略客户诉求，建立“一户一清单”服务台账，明确责任单位与责任人，倒逼客户服务提升。2023年，公司共处理质量投诉195起，受理客户服务诉求929起，累计开展了115个客户服务问卷调查，整体满意度为95%。

The Company implements specific measures such as "unified management of quality complaints" to ensure a unified handling of quality complaints. It integrates customer requirements from various channels such as 400 hotline, online customer service, QR code scanning of hangtags, and OA email into a call center system. It creates a ledger to promptly and efficiently address customer requirements. In addition to the annual customer satisfaction survey, the Company has introduced monthly satisfaction surveys for strategic customers to dynamically monitor and collect their feedback. It has established a "one account, one list" service ledger, clarifying responsible units and individuals and driving the improvement of customer service. In 2023, the Company handled 195 quality complaints, received 929 customer service requirements, and conducted 115 customer service questionnaires, achieving an overall satisfaction rate of 95%.

案例：快速响应，邯钢新区技术人员解决客户难题获赞誉

Case: Technicians from Hansteel New Plant receive praise from a customer due to their rapid response to solve the customer's problem

2023年12月，邯钢新区炼钢厂收到客户反馈板材加工过程出现开裂问题，第一时间安排技术人员赶赴客户产线，帮助客户整改焊接环境潮湿、焊接缺少惰性气体保护等问题，为客户书写了焊接过程中应注意的事项，规范了焊接操作，获得客户高度赞誉。

In December 2023, the steelmaking plant of Hansteel New Plant received feedback from a customer that cracking occurred during sheet processing. The plant immediately arranged for technicians to rush to the customer's production line to help the customer rectify problems such as a humid welding environment and lack of inert gas protection during welding. They wrote down the precautions to be taken during the welding process for the customer, standardized welding operations, and received high praise from the customer.



邯钢新区高品质板材
High-quality Sheets from Hansteel New Plant

伙伴合作谋共赢

Cooperating with partners for win-win results

河钢股份延续“协同运作，共创共赢”的理念，重视供应链管理，与供应商共同构建负责任的供应链；健全共享发展的体制机制，努力与各个利益相关方开展多方交流合作，坚持在分工协作中共同承担责任、创造价值、分享利益，构建“携手共进、合作共赢”的生态圈。

HBIS Limited upholds the philosophy of "Collaborative Operations for Mutual Benefit and Win-win Results." It places great emphasis on supply chain management and works closely with suppliers to build a responsible supply chain. By improving the systems and mechanisms for shared development, the Company strives to engage in diverse exchange and cooperation with various stakeholders. It insists on jointly assuming responsibilities, creating value, and sharing benefits through divisional collaboration, thereby constructing an ecosystem of "Joint Progress and Win-win Results."

责任供应链 Responsible supply chain

公司以“建设最具价值、最有竞争力的采购供应链”为目标，全面落实“阳光采购、精益采购、联动采购、绿色采购”的责任采购理念。截至2023年，公司已与国内诸多央企及行业龙头资源企业建立了稳固的战略合作关系，拥有优质的供应商群，在国内原燃料市场布局与钢铁产业链发展中占据重要位置。

The Company aims to "build the most valuable and competitive procurement supply chain" and fully implements the responsible procurement philosophy of "transparent, lean, collaborative, and green procurement." As of 2023, the Company had established stable strategic cooperation relationships with numerous Chinese central enterprises and leading resource companies in the industry, possessing a high-quality supplier group and occupying an important position in China's raw fuel market and steel industry chain development.

供应商全生命周期管理

Supplier Life Cycle Management



准入：严格执行供应商准入现场评价认证制度，通过对性质、规模、认证情况等十余项内容评分，以确定供应商准入与否。
Access: Strictly enforce the on-site evaluation and certification system for supplier access and determine whether suppliers are eligible for access based on scores from more than ten criteria, including nature, scale, and certification status.



评估与考核：通过供应商日常行为评价，将供应商分A类（战略供应商）、B类（重点供应商）、C类（一般供应商）、D类（不合格供应商）四类管理。2023年，公司共对125家供应商开展ESG审查，因为不合规被中止合作的供应商23家，因为不合规被否决的潜在供应商9家。
Evaluation and assessment: Evaluate suppliers on their daily behavior and categorize them into four groups: A (strategic suppliers), B (key suppliers), C (general suppliers), and D (unqualified suppliers). In 2023, the Company conducted ESG audits on 125 suppliers, suspended cooperation with 23 suppliers due to noncompliance, and rejected 9 potential suppliers for the same reason.



退出：定期根据考评结果适时更新和淘汰供应商，促进供应商工艺、产品、管理的全面提升。
Exit: Regularly renew and eliminate suppliers based on evaluation and assessment results and promote comprehensive improvements in suppliers' processes, products, and management.

健全采购管理制度

Establishing a sound procurement management system

公司严格执行集团下发的《河钢采购供应商管理办法》《河钢采购供应商准入标准》《河钢采购询价比价管理办法》《河钢采购价格管理办法》《河钢采购合同管理办法》等管理制度，有效保障阳光采购和商业公平，推行绿色可持续采购，供应链竞争力和抗风险能力显著提高。

The Company strictly follows the *management systems, standards, and measures released by the Group, including the Supplier Management Measures of HBIS, the Supplier Access Standards of HBIS, the Procurement Inquiry and Comparison Management Measures of HBIS, and the Procurement Contract Management Measures of HBIS.* They effectively ensure transparent procurement and commercial fairness. Promoting green and sustainable procurement, the Company significantly improves supply chain competitiveness and risk resistance.

完善管理机制

Improving the management mechanism

公司完善供应商管理机制，成立供应商评价认证小组作为供应商准入和日常评价机构，确保供应商管理全过程的公开透明。

The Company improves its supplier management mechanism by establishing a supplier evaluation and certification team responsible for supplier access and routine evaluations, ensuring transparency across the supplier management process.

开展供应商培训

Training suppliers

公司逐步搭建和完善供应商ESG培训体系，针对供应商开展准入培训和日常培训，在供应商准入之初，开展《河钢采购可持续采购政策》《河钢采购供应商行为准则》宣贯，帮助供应商了解公司ESG理念和要求；在日常管理中，对供应商进行评级和二方审核，为重点关注的供应商提供具体建议，提升供应商可持续发展能力。2023年，公司针对供应商开展ESG培训13次。

The Company has gradually established and improved an ESG training system for suppliers, conducting access and routine training. After the suppliers just access, the Company promotes the *Sustainable Procurement Policy of HBIS* and the *Supplier Code of Conduct of HBIS*, helping them understand the Company's ESG philosophy and requirements. In routine management, the Company rates the suppliers and employs second party audits, with specific suggestions provided to key suppliers to enhance sustainable supplier development capabilities. In 2023, the Company carried out 13 ESG trainings for suppliers.

加强信息化支撑

Strengthening information
technology support

公司践行“公开、公平、公正”的采购原则，借助供应链平台、营销平台和财智云平台，构建覆盖招标采购、合同订立及履行监督、结算、资金支付、供应商评价等全过程的阳光采购控制、服务体系，实现了采购业务的透明、可控和高效化运转，有效规范采购行为，提升供应商服务水平，防范商业贿赂。

Adhering to the procurement principles of "openness, fairness, and impartiality," the Company leverages supply chain, marketing, and financial intelligence cloud platforms to establish a transparent procurement control and service system covering the entire process of bidding procurement, contract signing and supervision, settlement, payment, and supplier evaluation. This achieves transparent, controllable, and efficient procurement operations, effectively regulates procurement behavior, enhances suppliers' service levels, and prevents commercial bribery.

坚持绿色采购

Committing to green
procurement

公司在供应商准入标准中明确规定对通过ISO14001环境管理体系认证的企业优先准入；对主要物料供应商生产设备提出明确要求，将采用生产工艺、设备被列入工业和信息化部公布的《部分工业行业淘汰落后生产工艺装备和产品指导目录》的供应商排除，从源头为绿色可持续采购工作提供保障。

In the supplier access standards, the Company explicitly stipulates that priority will be given to enterprises that have passed ISO14001 environmental management system certification. It also sets clear requirements for the production equipment of major material suppliers, excluding suppliers who use production processes or equipment listed in the Catalogue of Guidelines for Eliminating Backward Production Process Equipment and Products in Some Industrial Sectors published by the Ministry of Industry and Information Technology. This ensures green and sustainable procurement efforts from the source.

聚力共赢

Collaborating for
win-win results

公司秉持开放共赢的发展理念，不断加强行业内外交流，积极寻求优质合作伙伴；强化多领域多模式战略合作，共建高质量共享合作平台，带动上下游产业链协同发展，保障产业链安全稳定运行，共绘互惠共赢的新篇章。

Adhering to the development philosophy of openness and win-win results, the Company continuously strengthens intra-industry and cross-industry exchanges and actively seeks quality partners. It enhances strategic cooperation in multiple areas and modes, builds high-quality shared cooperation platforms, and drives coordinated development of upstream and downstream industrial chains. Moreover, it ensures the safe and stable operation of the industrial chain and jointly creates a new pattern of mutual benefit and win-win results.

引领行业升级

Leading industry upgrades

公司以开放包容的态度、深耕不辍的精神，持续开展广泛的业内合作，致力成为行业发展方向的引领者、产业基础能力提升的支撑者。

With an open and inclusive attitude and a spirit of continuous dedication, the Company has continuously carried out extensive intra-industry cooperation, aiming to become a pacemaker in industry development trends and a supporter in enhancing industrial basic capabilities.



河钢股份唐山分公司助力高端产品论坛
High-end Product Forum supported by HBIS Limited Tangshan Branch

强化战略合作

Strengthening strategic cooperation

公司积极搭建合作平台，与政府、企业、高校院所等开展交流合作，构建亲密伙伴关系，实现强强联合、优势互补，打造推进可持续发展的合作典范。截至2023年，公司已与众多国内外汽车主机厂建立绿色低碳汽车用钢对接与合作关系。

The Company vigorously builds cooperation platforms and exchanges and cooperates with governments, enterprises, higher education institutions, and research institutions to establish close partnerships, achieve strong alliances, complement each other for more advantages, and create a model of cooperation for sustainable development. As of 2023, the Company had established green and low-carbon automobile steel contact and cooperation relationships with many domestic and foreign automobile OEMs.



承德钒钛与科莱恩钒产业共同签署《钒产业长期合作协议》
Chengde Vanadium Titanium and Clariant jointly signed the Vanadium Long-term Cooperation Agreement

凝聚人才向心力

Consolidate talents' cohesive affinity

河钢股份始终将人才资源视为企业的核心竞争力，践行“以人为本”理念，尊重和维 护员工权益；加强员工培训与技能提升，努力实现员工个人价值和 企业价值的共同提升；暖心关怀员工，提升员工满意度和归属感；扣牢“责任链”，为员工安全保驾护航。

HBIS Limited always regards talents as its core competitiveness, adheres to the "People-Oriented" philosophy, and respects and safeguards employees' rights and interests. Strengthening employee training and skill enhancement, the Company strives for the joint promotion of individual and corporate values. It cares about employees to enhance their satisfaction and sense of belonging. HBIS Limited securely protects employee safety by firmly holding onto the "Chain of Responsibility."

员工权益保障

Protecting rights and interests of employees

公司严格遵守并执行《劳动法》《劳动合同法》《工会法》等法律法规，健全员工权益保障体系，平等对待任何国家、宗教、种族、性别的员工，坚决反对雇用童工、强迫劳动、骚扰虐待等违法行为，实行全员劳动合同制，依法保障员工权益，推进企业劳动关系健康发展。2023年，公司在岗员工31,256人，女性员工占比11.32%。

The Company strictly complies with and enforces laws and regulations such as the *Labor Law*, the *Labor Contract Law*, and the *Trade Union Law*. Improving the system for protecting employees' rights and interests, the Company treats employees of any nationality, religion, race, and gender equally, firmly opposing illegal acts such as child labor, forced labor, harassment, and abuse. By implementing a system of signing labor contracts with all employees, the Company safeguards the rights and interests of employees per the law and promotes the healthy development of its labor relations. In 2023, the Company had 31,256 employees, with female employees accounting for 11.32%.

2023年 In 2023



在岗员工

31,256 人

The Company had 31,256 employees



女性员工占比

11.32%

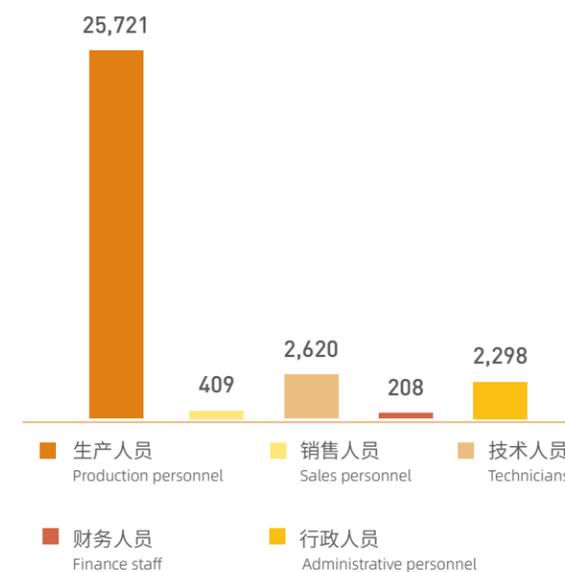
With female employees accounting for 11.32%

按专业类别划分

Classified by professional category

人数 (人)

Number (person)

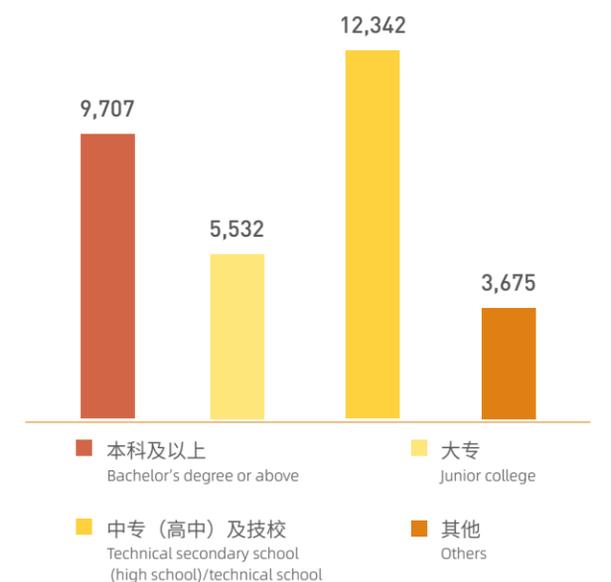


按学历划分

Classified by education background

人数 (人)

Number (person)



平等雇佣 Fair employment

公司坚持性别、民族、信仰、年龄无差别的雇佣原则，保证招聘过程程序合规、流程规范，确保所有员工依法享有各项权益和公平公正的待遇，为员工打造多元包容、公平透明的职场环境。

The Company adheres to the employment principle of no difference in gender, ethnicity, belief, and age, ensures that the recruitment process is compliant and standardized, ensures that all employees enjoy various rights and interests and fair and just treatment according to law, and creates a diversified, inclusive, fair, and transparent workplace environment for employees.

薪酬福利 Remuneration and benefits

根据公司的经营战略和目标，建立以效益为中心的薪酬分配模式；按照国家、省、市保险政策要求，建立员工保险体系，按时足额支付劳动报酬和缴纳社会保险。

According to its business strategy and objectives, the Company has established a remuneration distribution model centered on effectiveness. As per national, provincial, and municipal insurance policies, it has set up an employee insurance system to ensure timely and full payment of labor remuneration and social insurance premiums.

民主管理 Democratic management

公司保障员工参与民主管理，开展厂务公开、董事长总经理联络员、工会主席信箱等活动，保障员工知情权、参与权、表决权和监督权。2023年，在岗正式员工工会入会率100%。

The Company guarantees employees' participation in democratic management by conducting plant affairs transparency activities, a liaison system with the Chairman and General Manager, and a mailbox of the Chairman of the Trade Union. These measures ensure employees' rights to know, participate, vote, and supervise. In 2023, the membership rate of on-the-job regular employees in the Trade Union reached 100%.

助力员工成长 <<
Assisting employees for
growth

公司积极带动市场，推进人才引进，并制定实施年度职工培训计划，结合高校优质资源，积极探索员工培训新模式，强化培训效果，全方位提升人才履职尽责能力；强化企业文化引导与目标任务引领，使全体员工进一步按照公司意志，统一思想，明确目标，扎实落实工作。2023年，公司共吸纳就业人数157人。

The Company actively drives the market to promote talent introduction and formulates and implements an annual employee training plan. Leveraging high-quality resources from higher education institutions, the Company actively explores new training models for employees, enhances training effectiveness, and comprehensively improves the ability of talents to fulfill their duties and responsibilities. The Company strengthens the guidance of corporate culture and the leadership of objectives and tasks, enabling all employees to further align their thinking with the Company's ambition, clarify objectives, and execute work solidly. In 2023, the company recruited a total of 157 new employees.

公司积极打造与企业战略发展相适应的“有理想守信念、懂技术会创新、敢担当讲奉献”的员工队伍，探索并构建“劳动竞赛、技能竞赛和群众性职工创新”三大体系，为员工提供“创新有舞台，成才有支撑，奋斗有回报”的成长环境。

The Company actively establishes a workforce that is compatible with its strategic development, consisting of employees "who are idealistic, committed, technically proficient, innovative, and willing to take responsibility and make contributions." It explores and establishes three major systems of "labor competitions, skill competitions, and mass-based employee innovation." This creates a growth environment for employees where "they have a stage for innovation, support for talent development, and rewards for their efforts."

案例：河钢股份唐山分公司组织开展新员工入职培训

Case: HBIS Limited Tangshan Branch Carried out Orientation Training for New Employees

2023年9月，唐山分公司举办“新羽飞翔·逐梦唐钢”2023年新入职员工培训，采用团队破冰、集中授课和线上自学等项目化培养方式，使新员工熟知企业历史和文化，加速适应环境，快速转变角色，为企业赋能成长、蓄势前行做好人才储备。

In September 2023, Tangshan Branch carried out the "Flying Rookies · Pursuing Dreams in Tangsteel" training for new employees in 2023. The training embraced various project-based training approaches, including team-building activities, centralized lectures, and online self-study. These approaches enabled new employees to become familiar with the enterprise's history and culture, accelerate their adaptation to the new environment, and quickly transition into their new roles. This training served as an important way for the enterprise to empower its growth and prepare talent resources for future advancements.



“新羽飞翔·逐梦唐钢”新员工培训开班仪式
Opening Ceremony of "Flying Rookies · Pursuing Dreams in Tangsteel" New Employee Training

案例：河钢股份邯鄹分公司韩鹏龙获得模拟炼钢挑战赛世界总决赛冠军

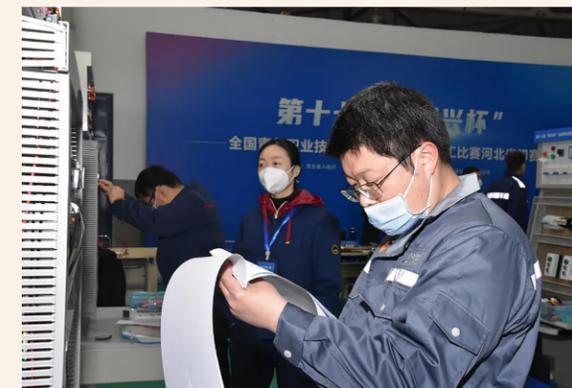
Case: Han Penglong, an Employee of HBIS Limited Handan Branch, Won the steelChallenge World Championship

2023年4月，世界钢铁协会在维也纳公布第17届模拟炼钢挑战赛世界总决赛比赛结果，邯鄹分公司炼钢厂员工韩鹏龙战胜欧洲、美洲、西亚、东亚等赛区选手，荣获职业组世界冠军，在世界钢铁舞台上展现了中国钢铁力量。

In April 2023, the World Steel Association announced the results of the steelChallenge-17 World Championship in Vienna. Han Penglong, an employee of the Steelmaking Plant of Handan branch, defeated players from Europe, America, West Asia, East Asia, and other regions and won the world championship of the professional group, showcasing China's steel strength on the world steel scene.



第17届模拟炼钢挑战赛颁奖现场
steelChallenge-17 World Championship Awards Ceremony



承德钒钛员工张亮亮获得第十七届“振兴杯”全国青年职业技能大赛（职工组）优胜奖。

Zhang Liangliang, an Employee of Chengde Vanadium Titanium, Won the Medallion for Excellence of the 17th "Revitalization Cup" National Youth Vocational Skills Contest (Staff).

暖心关爱员工 << Caring for employees

公司深入践行“员工是不可复制的竞争力”发展理念，通过“送温暖”“夏日送清凉”、帮扶困难员工等措施，及时解决员工困难，增强员工的归属感和幸福感；组织员工心理健康咨询、健康体检，关注员工身心健康；日常组织举办员工羽毛球与篮球赛、读书分享会等一系列文体活动，丰富员工文化生活，将发展成果更多、更公平地惠及全体员工。2023年，河钢股份子分公司均通过了职业健康安全管理体系（ISO45001）认证。

The Company firmly adheres to the development philosophy that “People Excellence.” By implementing initiatives like “extending warmth,” “providing relief during summer heatwaves,” and offering support to employees in distress, the Company promptly addresses their challenges and fosters a sense of belonging and happiness among them. Furthermore, the Company demonstrates its care for employees’ physical and mental health by organizing mental health counselling and health examinations. Additionally, a diverse range of cultural and sports activities, encompassing badminton and basketball tournaments, and book-sharing events, are regularly held to enrich employees’ cultural lives. The Company strives to distribute the benefits of its development more comprehensively and equitably among all its employees. In 2023, all branches and subsidiaries of HBIS Limited were certified to the occupational health and safety management system (ISO45001).

案例：承德钒钛开展“送清凉·保安全”活动

Case: Chengde Vanadium Titanium Carried out the "Summer Relief · Safety Guarantee" Activity

2023年8月，承德钒钛开展一线“送清凉·保安全”活动，领导干部携带防暑降温物品走进一线，关心关爱在工作岗位上战高温、斗酷暑的员工，为员工送去慰问物资和安全叮嘱，切实把温暖关怀及时送到一线员工的心坎上。

In August 2023, Chengde Vanadium Titanium carried out the frontline “Summer Relief · Safety Guarantee” activity. Managers carried heatstroke prevention and cooling items into the frontline and cared for employees who worked hard in high temperatures. They sent materials and safety advice to employees, effectively extending warmth and care to frontline employees.



承德钒钛为一线员工夏日送清凉

Managers of Chengde Vanadium Titanium Presented Items to Frontline Employees



河钢股份唐山分公司举办单身青年七夕联谊活动

HBIS Limited Tangshan Branch Held a Party on Chinese Valentine's Day for Single Youth

护航员工安全 << Escorting employees for safety

公司始终坚守“以人为本、生命至上”的原则，积极贯彻落实党中央、国务院关于加强安全生产工作的一系列决策部署，深入落实安全生产要求，强力推动各项安全措施落地落实，筑牢安全防护屏障，为公司高质量发展保驾护航。

The Company has always adhered to the principle of being “people-oriented, life first” and actively followed a series of decisions and deployments made by the Central Committee of the CPC and the State Council on strengthening work safety. It has thoroughly implemented work safety requirements, vigorously taken various safety measures, and strengthened safety protection to escort the Company's high-quality development.

加强安全管理 Strengthening safety management

公司严格落实上级部门各项安全工作部署，逐级压实安全责任，组织开展部长级、作业长安全管理能力提升专题研习会，有效提高相关负责人在各个环节的安全管控能力；强化企业安全管理，开展驻厂安全督导；以安全标准化一级企业创建为核心，围绕管理、现场、操作三个标准化重点目标，带动各项工作全面提升；进一步优化安全信息化建设，以安全信息化推进安全管理现代化，提升企业的整体安全水平。

The Company strictly follows the safety work deployments of its superior departments and ensures that safety responsibilities are firmly established at every level. It organizes department head-level and operation head-level workshops specifically designed to enhance safety management capabilities, effectively improving the safety control abilities of responsible personnel in every aspect of operations. The Company also strengthens its safety management and conducts on-site safety supervision. It takes the establishment of a first-class enterprise in safety standardization as its core objective and focuses on the three key standardized objectives of management, site, and operation to drive the comprehensive improvement of various tasks. The Company continuously optimizes the construction of safety information technology to enhance the overall safety of the Company.

案例：河钢股份应用风险监测预警系统

Case: HBIS Limited Applies the Risk Monitoring and Warning System

公司自主研发生产监测预警系统，对关键参数和监测数据进行实时动态监控，将不同级别、不同类别的预警信息及时精准地推送到各级责任人员，确保异常状况早发现、早处置，有效提升安全生产监管水平，为企业安全稳定发展奠定坚实基础。

The Company has independently developed a production monitoring and warning system that performs real-time dynamic monitoring of key parameters and monitoring data. This system promptly and accurately delivers warning information of different levels and categories to personnel at all levels of responsibility, ensuring that abnormalities are detected and addressed promptly. This significantly enhances the level of work safety supervision and lays a solid foundation for the Company's safe and stable development.



指挥中心应用风险监测预警系统

Risk Monitoring and Warning System Applied in the Command Center

安全隐患排查

Investigating safety hazards

2023年，公司扎实开展安全隐患排查整治工作，聚焦熔融金属、矿山、危化、道路交通等重点领域，通过重大事故隐患、钢结构筒形仓、环保设备设施等专项排查整治，确保重大风险管控到位、重点环节管理到位、各类隐患治理到位，不断提升公司防范化解重大安全风险能力。

In 2023, the Company identified and rectified safety hazards, with a focus on key areas such as molten metal, mining, hazardous chemicals, and road traffic. Through specialized investigations and rectification measures targeting significant accident hazards, steel structure silos, and environmental protection equipment and facilities, the Company ensured that major risks were effectively controlled, key management aspects were addressed, and various hazards were treated appropriately. This continuously and significantly improved the Company's capability to prevent and mitigate major safety risks.



公司党委书记、董事长王兰玉督导安全生产工作

Wang Lanyu, Secretary of CPC Committee and Chairman of the Company, Supervised Work Safety Efforts

营造安全氛围

Creating an atmosphere of safety

公司通过多途径、多形式，开展安全生产和消防宣传教育、各类应急演练、安全大讨论等系列活动，营造浓厚的安全生产氛围，为公司安全生产形势总体稳定提供保障。2023年，公司开展安全生产培训演练28次。

The Company has conducted a series of activities, including work safety and fire prevention education, various emergency drills, and extensive safety discussions, through multiple channels and formats. These efforts have created a strong atmosphere for work safety and rendered a sound guarantee for the overall stability of the Company's work safety landscape. In 2023, the Company carried out 28 work safety drills.

案例：河钢股份开展安全生产月、消防宣传月活动

Case: HBIS Limited Carries out Work Safety Month and Fire Safety Month Activities

在安全生产月、消防宣传月期间，河钢股份及下属子公司以各种形式，精心组织谋划系列活动。

During Work Safety Month and Fire Safety Month, HBIS Limited and its subsidiaries and branches intelligently organized and planned a series of activities in various forms.



唐山分公司开展消防培训

Tangshan Branch Carried Out Fire Safety Training



邯郸分公司开展消防应急演练

Handan Branch Carried Out a Fire Emergency Drill



承德分公司举办2023年“安康杯·青安杯”安全知识技能竞赛

Chengde Branch Held the 2023 "Ankang Cup · Qing'an Cup" Safety Knowledge and Skill Competition

公益向善为民生

Offering public welfare benefits to better people's livelihood

河钢股份时刻铭记服务社会经济发展大局的初心使命，积极成为担当责任的“国家队”，全面推进乡村振兴，在发展中保障和改善民生，助力美丽乡村高质量发展；投身社会公益事业，促进区域社区发展，不断向世界传递河钢温度。

HBIS Limited always remains mindful of its original mission to serve the overall development of society and the economy. Actively assuming the role of a responsible "National Team", the Company comprehensively promotes rural revitalization, ensures and improves people's livelihood in the process of development, and contributes to the high-quality development of beautiful rural areas. It devotes itself to public welfare causes, promotes regional and community development, and constantly spreads the care of HBIS to the world.

助力乡村振兴

Supporting rural revitalization

公司坚决落实党中央、国务院推进乡村振兴战略的工作部署，坚决扛起国有企业社会责任，以争优、争先、争效的高度自觉推进乡村全面振兴，不断提升当地群众获得感、幸福感、安全感，让农业强起来、农民富起来、农村美起来。2023年，公司全力投身于河北地区洪涝灾害灾后重建工作，坚持帮扶偏远地区乡村发展，共投入乡村振兴资金492万元，开展乡村振兴项目数量15个。

The Company firmly implements the work plan of the Central Committee of the CPC and the State Council to promote the rural revitalization strategy, resolutely shoulders the social responsibilities of a state-owned enterprise, and promotes the comprehensive revitalization of rural areas with a high sense of self-consciousness for excellence, preemption, and efficiency. It continuously enhances the sense of gain, happiness, and security of local people, making agriculture stronger, farmers richer, and rural areas more beautiful. In 2023, the Company devoted itself to the post-disaster recovery work in flood-affected areas of Hebei and adhered to supporting rural development in remote areas. It invested a total of RMB 4.92 million in rural revitalization and carried out 15 rural revitalization projects.

● 2023年 In 2023



投入乡村振兴资金

492 万元

Invested a total of RMB 4.92 million in rural revitalization



开展乡村振兴项目

15 个

Carried out 15 rural revitalization projects

案例：河钢股份唐山分公司积极开展“以消费促振兴”活动

Case: HBIS Limited Tangshan Branch Actively Carried out the "Consumption-Driven Revitalization" Activity

唐山分公司积极支持西底沟村发展农业产业，踊跃参加“以消费促振兴”活动，鼓励员工通过“山水西底沟”消费帮扶微店购买特色有机玉米“黄八趟”，帮助村民解决销售难题，增加农民的经济收入。

Tangshan Branch actively supported the agricultural industry development of Xidigou Village. It enthusiastically participated in the "Consumption-Driven Revitalization" activity, encouraging employees to purchase the special organic corn "Huangbatang" through the "Landscape Xidigou" consumption assistance WeChat store. This helped villagers solve sales problems and increased their income.

案例：河钢股份邯郸分公司驻村工作队聚焦产业富农

Case: The Village Working Group of HBIS Limited Handan Branch Focused on Enriching Farmers

邯郸分公司驻石家庄市行唐县连家庄村工作组立足当地资源优势，在巩固传统农产品种植的基础上，利用村内林地资源，引进种植了60多亩樱桃树，积极拓展农民增收致富渠道；基于生姜收购价格较高的情况，组织村民扩大种植面积，帮销生姜、草莓、红薯等农产品，获得了村民们的一致称赞。

Based on the advantages of local resources, the working group of Handan Branch in Lianjiazhuang Village, Xingtang County, Shijiazhuang, introduced and planted over 60 mu of cherry trees by utilizing the village's forestland resources, actively expanding the channels for farmers to increase their income. Due to the high purchase price of ginger, the working group organized villagers to increase the planting area and helped sell agricultural products such as ginger, strawberries, and sweet potatoes, gaining unanimous praise from villagers.



驻村工作队第一书记张绍华组织村民将生姜卖给客商

Zhang Shaohua, the First Secretary of the Village Working Group, Organized Villagers to Sell Ginger to Traders

践行社会公益

Conducting public welfare activities

公司心系和谐社会，致力于建设有责任有担当的钢铁企业。公司青年志愿者紧贴重点工作，高扬“奉献、友爱、互助、进步”的精神旗帜，践行“服务企业 奉献社会”的青春使命，在服务生产经营、员工群众、社区等方面，开展丰富多彩的志愿服务，倾力打造有活力、有特色的青年志愿服务品牌，为弱势群体帮扶和民生建设贡献力量。

The Company is committed to building a responsible and accountable steel enterprise with a harmonious society in mind. Its youth volunteers closely align with key work areas, uphold the spirit of "dedication, friendliness, mutual assistance, and progress", and fulfill the youth mission of "serving the company and contributing to society." Focusing on serving production and operation, employees, and the community, they carry out a variety of voluntary service activities, striving to create a vibrant and distinctive brand of youth volunteer service and contributing to the support of vulnerable groups and the improvement of people's livelihood.

案例：河钢股份青年主动奉献，雷锋精神弘扬传承

Case: Young Employees from HBIS Limited Actively Contribute to Promoting and Inheriting Lei Feng's Spirit

2023年是毛泽东等老一辈革命家为雷锋同志题词60周年，习近平总书记对深入开展学雷锋活动作出重要指示。河钢股份及下属子公司认真学习贯彻习近平总书记重要指示精神，让学雷锋在河钢青年中蔚然成风。

2023 marked the 60th anniversary of the inscription by Mao Zedong and other older-generation revolutionaries for Comrade Lei Feng. President Xi Jinping gave important instructions on furthering the learning from Lei Feng. HBIS Limited and its subsidiaries and branches earnestly studied and followed the spirit of President Xi Jinping's important instructions, making learning from Lei Feng a common practice among the youth of HBIS Limited.

唐山分公司：集中组织开展2场“学雷锋办实事”主题团日活动，青年志愿者通过帮助员工理发、义诊、缝补工装、清洗眼镜等，努力把暖心关怀和贴心服务带到员工身边，释放青春“温度”，累计服务员工800余人次。

Tangshan Branch: The branch organized two group day activities under the theme of "Learning from Lei Feng and Doing Practical Things." youth volunteers provided warm and caring services to employees by assisting them with haircuts, free medical consultations, work uniform sewing services, and glass cleaning, releasing the "warmth" of youth. They served over 800 employees in total.



青年志愿者为员工群众粘贴手机膜
Youth Volunteers Pasted Phone Screen Protectors for Employees

邯郸分公司：围绕服务企业，服务员工，服务生产三个维度，广泛开展了岗位环境清洁美化、厂区综合治理、义务理发、义务测血压等30余场青年志愿活动，参与的青年志愿者300余人次，展现公司青年积极向上的精神风貌。

Handan Branch: Focusing on serving the company, employees, and production, the branch extensively carried out over 30 youth volunteer activities, including cleaning and beautifying the workplace environment, comprehensive plant management, free haircuts, and free blood pressure measurements. Over 300 youth volunteers participated, demonstrating the positive and upward spirit of the Company's youth.



青年志愿者为群众义务理发
Youth Volunteers Provided Free Haircuts for the Public

承德分公司：组织开展第27个青年志愿者奉献月活动，18支志愿者服务队、100余名青年志愿者在职工医院路、西地家属区两个服务站，开展了生活便民、医疗健康等5大类志愿服务，服务内容涵盖义诊、磨刀、理发、电脑维修、手机贴膜、美甲等，服务居民500余人次。

Chengde Branch: The branch organized the 27th Dedication Month of youth volunteers. 18 voluntary service teams and over 100 youth volunteers conducted five categories of voluntary services, including daily convenience and medical health, at two service stations in the Staff Hospital Road and Xidi Residential Area. The services covered free medical consultations, knife sharpening, haircuts, computer repairs, phone screen protector pasting, and manicures and they served over 500 residents.



青年志愿者为群众维修电子设备
Youth Volunteers Repaired Electronic Equipment for the Public

案例：承德钒钛举办冬季无偿献血公益活动

Case: Chengde Vanadium Titanium Held Winter Blood Donation Activity

2023年12月，承德钒钛与承德市中心血站联合组织冬季无偿献血公益活动，百名员工踊跃参与，以实际行动诠释奉献、友爱、互助、进步的志愿服务精神。无偿献血活动作为承德钒钛精神文明建设的一项品牌建设活动，自2011年启动至今，已经连续组织13年，共献血410余万毫升，被誉为行走的“钢铁血库”。

In December 2023, Chengde Vanadium Titanium jointly organized a winter blood donation activity with the Chengde Central Blood Station. Hundreds of employees actively participated in the activity, demonstrating the volunteer spirit of dedication, friendship, mutual assistance, and progress through their actions. The blood donation activity, as a brand building activity for the spiritual progress of Chengde Vanadium Titanium, has been continuously organized for 13 years since its launch in 2011. A total of over 4.1 million milliliters of blood has been donated, earning it the reputation of a walking "Steel Blood Bank."



承德钒钛冬季无偿献血公益活动
Winter Blood Donation Activity Organized by Chengde Vanadium Titanium



未来展望

Outlook for the Future

回首2023年，河钢股份在挑战中稳步前行，在创新驱动、管理变革、绿色低碳等方面取得了一系列显著成果。

Looking back at 2023, HBIS Limited made steady progress despite challenges and achieved a series of noteworthy accomplishments in areas such as innovation-driven development, management transformation, and green and low-carbon initiatives.

展望2024年，我们高质量发展的战略更加清晰、目标更加高远、任务更加艰巨、责任更加重大、使命更加光荣。我们将以效益为中心，引领生产经营方式变革，全速推进技术创新和智能制造，提升企业核心竞争力；践行绿色低碳理念，领跑行业低碳转型赛道；积极履行社会责任，为员工和社会创造安全、和谐、可持续的发展环境。

As we look ahead to 2024, our strategy for achieving high-quality development becomes clearer, our objectives loftier, our tasks more challenging, our responsibilities heavier, and our mission more glorious. We will prioritize benefits, spearhead the transformation of production and operational modes, expeditiously drive technological innovation and intelligent manufacturing, and strengthen our core competitiveness. We are committed to embracing the principles of green and low-carbon development, positioning ourselves as a leader in the industry's low-carbon transition. Moreover, we will actively discharge our social responsibilities and foster a secure, harmonious, and sustainable development environment for our employees and society.

砥砺前行，共创未来，新时代的征程已经铺展开来。新起点呼唤新作为，河钢股份将始终坚持以习近平新时代中国特色社会主义思想为指导，满怀豪情，奋发向上，持续探索，不断超越，坚守成为“最具竞争力钢铁企业”的信念，致力于实现高端化、智能化、绿色化发展的新跨越！

Moving forward with unwavering determination, we will jointly forge a shared future, as the journey of the new era has already embarked upon its path. The start of a fresh journey demands new actions. HBIS Limited, ever committed to the principles outlined in the Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, remains brimming with enthusiasm and determined to forge ahead. We are relentless in our exploration, always seeking to push the boundaries of our capabilities. With the unwavering conviction of "Being the Most Competitive Steel Enterprise," we aspire to achieve a momentous leap in high-end, intelligent, and green development!

附录

Appendix

释义

Terms and Abbreviations

释义项 Term	指 Means	释义内容 Definition
公司 / 本公司 / 河钢股份 Company/the Company/HBIS Limited	指 Means	河钢股份有限公司 HBIS Limited
河钢集团 / 集团 HBIS Group	指 Means	河钢集团有限公司 HBIS Group Co., Ltd.
唐钢新区 Tangsteel New Plant/HBIS Laosteel	指 Means	河钢乐亭钢铁有限公司 HBIS Laoting Iron and Steel Co., Ltd.
邯钢新区 Hansteel New Plant	指 Means	邯钢能嘉钢铁有限公司 Hansteel Nengjia Iron and Steel Co., Ltd.
承德钒钛 Chengde Vanadium Titanium	指 Means	承德钒钛新材料有限公司 Chengde Vanadium Titanium New Material Co., Ltd.
邯宝公司 Hanbao Company	指 Means	邯钢集团邯宝钢铁有限公司 Hansteel Hanbao Iron and Steel Co., Ltd.
中厚板公司 Heavy and Medium Plate Company	指 Means	唐山中厚板材有限公司 Tangshan Heavy and Medium Plate Co., Ltd.

关键绩效表

Key Performance

	指标 Indicator	单位 Unit	2021	2022	2023
经济 指标 Economic responsibilities	总资产 Total assets	亿元 RMB 100 million	2,434	2,532	2,665
	营业收入 Operating revenue	亿元 RMB 100 million	1,496	1,435	1,227
	利润总额 Total profits and taxes	亿元 RMB 100 million	69.70	40.56	33.77
	利润总额 Total profit	亿元 RMB 100 million	37	16	13
	生铁产量 Annual output of pig iron	万吨 10,000 tons	2,531	2,932	2,881
	粗钢产量 Crude steel output	万吨 10,000 tons	2,568	2,808	2,717
	钢材产量 Steel output	万吨 10,000 tons	2,521	2,685	2,539
	股东大会出席情况 Attendance at General Meeting of Shareholders	%	63.74	64.47	60.28
	独立董事占比 Percentage of independent directors	%	36	36	36
	女性董事占比 Percentage of female directors	%	9	9	9

	指标 Indicator	单位 Unit	2021	2022	2023
经济 指标 Economic responsibilities	董事会出席情况 Attendance of the Board of Directors	%	100	100	100
	外部监事占比 Percentage of external supervisors	%	0	0	0
	女性监事占比 Percentage of female supervisors	%	33	33	33
	女性高管占比 Percentage of female executives	%	0	0	0
	监事会出席率 Attendance of the Board of Supervisors	%	100	100	100
	高级管理层人员持股 Shareholdings of senior management	股 Share	2,007	2,007	1,907
	研发资金投入 Investment in research and development	万元 RMB 10,000	37.01	30.63	25.61
	研发人员数量 New patent applications	人 Person	477	655	572
	新增专利申请数 Number of new patent applications	件 Pcs.	820	653	789
	新增专利授权数 Number of new patents granted	件 Pcs.	688	642	380
	守法合规培训人次 Number of people receiving legal compliance training	人次 Person	130,000	63,838	42,146
	守法合规培训次数 Number of legal compliance training	次 Time	328	235	271
	反贪腐培训次数 Number of training sessions on anti-corruption	次 Time	12	16	22
	反贪腐培训时长 Hours of training on anti-corruption	小时 Hour	24	32	44
	供应商 ESG 审查数 Number of supplier ESG reviews	个 Nr.	118	121	125
	供应商培训次数 Number of training sessions on suppliers	次 Time	85	90	96
	供应商培训时长 Hours of training on suppliers	小时 Hour	38	40	43
	因不合规被否决的潜在供应商数量 Number of potential suppliers rejected for noncompliance with regulations	个 Nr.	7	10	9
	因不合规被中止合作的供应商数量 Number of suppliers suspended for noncompliance	个 Nr.	31	12	23
	供应商 ESG 培训次数 Number of ESG training sessions on suppliers	次 Time	21	25	13
	供应商通过质量、环境和职业健康安全管理体系认证的比率 Rate of suppliers passing the certification of quality, environment, and occupational health and safety management system	%	10	11	15
	客户满意度 Customer satisfaction	%	95.1	94.5	95.0
	产品出厂合格率 Product ex-factory pass rate	%	100	100	100
客户投诉解决率 Rate of resolution of customer complaints	%	100	100	100	
产品止损事件发生次数 Number of occurrences of product stop loss events	次 Time	0	0	0	
产品止损赔付总额 Total compensation for product stop loss	万元 RMB 10,000	0	0	0	

指标 Indicator	单位 Unit	2021	2022	2023
员工人数 Number of employees	人 Person	33,621	27,564	31,256
女性员工数 Number of female employees	人 Person	3,842	3,208	3,538
女性员工比例 Percentage of female employees	%	11.43	11.64	11.32
员工流失率 Rate of employee turnover	%	0.96	1.22	0.60
报告期内吸纳就业人数 Number of people employed during the reporting period	人 Person	181	116	157
体检覆盖率 Coverage of physical examination	%	100	100	100
劳动合同签订率 Signing rate of labor contracts	%	100	100	100
社会保险覆盖率 Coverage of social insurance	%	100	100	100
参加工会的员工比例 Proportion of employees participating in the Trade Union	%	100	100	100
女性管理者人数 Number of female managers	人 Person	22	13	16
中层管理者中女性管理者占比 Percentage of female managers in middle managers	%	4.87	3.09	4.23
人均带薪休假天数 Days of paid leaves per capita	天 Day	10	10	10
员工培训投入 Investment in employee training	万元 RMB 10,000	1,750.73	1,431.97	1,709.70
人均培训时长 Training hours per capita	小时/人 Hour/person	64.25	61.04	65.85
员工满意度 Employee satisfaction	%	77.47	78.92	80.35
安全生产投入总额 Total investment in work safety	万元 RMB 10,000	23,545.50	23,971.68	23,643.84
安全生产培训率 Rate of work safety training	%	100	100	100

社会责任
Social responsibilities

指标 Indicator	单位 Unit	2021	2022	2023
应急演练次数 Number of emergency drills	次 Time	27	24	28
生产安全事故数 Number of work safety accidents	次 Time	3	0	0
因工受伤人数 Number of work-related injuries	人 Person	3	0	0
因工死亡人数 Number of work-related fatalities	人 Person	0	0	0
新增职业病数 Number of new occupational diseases	人 Person	0	0	0
因工伤损失工作日数 Lost working days due to work-related injuries	天 Day	120	0	0
特种作业人员持证上岗率 Rate of special operations personnel with certificate for work	%	100	100	100
志愿服务人次 People offering voluntary services	人次 Person	15,972	10,045	9,264
支援乡村振兴资金投入 Investment in supporting rural revitalization	万元 RMB 10,000	270	257	492
乡村振兴派出挂职干部数量 Number of temporary cadres selected and assigned for rural revitalization	人 Person	45	45	45
环保投入 Investment in environmental protection	万元 RMB 10,000	242,586	203,034	161,000
能源消耗总量 Total energy consumption	吨标准煤 Tons of coal equivalent	16,319,030	17,510,717	18,697,852
清洁能源使用量 Volume of clean energy utilization	吨 Ton	383	395	356
非化石能源比重 Share of non-fossil energy	%	0.0023	0.0023	0.0019
年度用水总量 Total annual water consumption	吨 Ton	4,073,067,791	4,697,896,934	4,606,716,725
新鲜水用水量 Fresh water consumption	吨 Ton	68,435,377	70,876,245	72,706,976
节水量 Quantity of water saved	吨 Ton	0	0	91,180,209

社会责任
Social responsibilities

环境责任
Environmental responsibilities

环境责任 Environmental responsibilities	指标 Indicator	单位 Unit	2021	2022	2023
	循环用水量 Circulating water consumption	吨 Ton	4,004,632,414	4,627,020,689	4,534,009,749
	废水排放量 Sewage discharge	立方米 m ³	1,451,212	1,110,766	821,801
	废气排放量 Exhaust emissions	吨 Ton	59,742,020	56,924,485	102,013,731
	固废综合利用率 Comprehensive utilization rate of solid waste	%	100	100	100
	新建项目环评通过率 EIA pass rate for new projects	%	100	100	100
	办公用电量 Office power consumption	万千瓦时 10,000 kWh	909	1,135	1,043
	办公用水量 Office water consumption	吨 Ton	376,504.5	397,226.5	343,501.2
办公用纸量 Office paper consumption	包 Bag	27,728	24,026	20,802	

指标索引

Index of Indicators

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评级报告



《河钢股份有限公司 2023 环境、社会及公司治理报告》评级报告

受河钢股份有限公司委托，“中国企业社会责任报告评级专家委员会”抽选专家组成评级小组，对《河钢股份有限公司 2023 环境、社会及公司治理报告》（以下简称《报告》）进行评级。

一、评级依据

中国社会科学院《中国企业社会责任报告指南（CASS-ESG 5.0）》暨“中国企业社会责任报告评级专家委员会”《中国企业ESG报告评级标准（2023）》。

二、评级过程

1. 评级小组审核确认《报告》编写组提交的《企业ESG报告过程性和可及性评估资料确认书》及相关证明材料；
2. 评级小组对《报告》编写过程及内容进行评价，拟定评级报告；
3. 评级专家委员会副主席、评级小组组长、评级小组专家共同签署评级。

三、评级结论

过程性 (★★★★★)

公司由战略发展部、董事会办公室和环境保护部牵头，组成ESG工作小组，负责具体落实ESG领域相关工作，董事会把控报告整体方向并负责终审，职能部门及各子分公司提报基础资料；将报告定位为合规披露履责信息、完善ESG管理、强化利益相关方沟通的重要工具，功能价值定位明确；根据国家宏观政策、国际国内社会责任标准、行业对标分析、公司重大事项、利益相关方调查等识别实质性议题；将电子版、纸质版等形式呈现报告，具有卓越的过程性表现。

实质性 (★★★★★)

《报告》系统披露了完善ESG治理、服务国家战略、环保产品或技术的研发与应用、废钢循环利用、落实安全生产、应对气候变化、服务质量管理、可持续供应链等所在行业关键性议题，叙述详细充分，具有卓越的实质性表现。

完整性 (★★★★★)

《报告》主体内容从“完善治理 厚植发展优势”“久久为功 绘就生态底色”“携手并进 谱写美好篇章”等角度系统披露了所在行业核心指标的77.58%，完整性表现优秀。

平衡性 (★★★★☆)

《报告》披露了“生产安全事故数”“因工受伤人数”“新增职业病数”等负面数据信息，平衡性表现领先。

可比性 (★★★★★)

《报告》从经济、社会、环境三个方面披露了“股东大会出席情况”“客户满意度”“员工满意度”“环保投入”等78个关键指标连续3年的对比数据，并通过入选“国有企业上市公司ESG·先锋100”等进行横向比较，可比性表现卓越。

可读性 (★★★★★)

《报告》从三大章节系统展示企业在公司治理、环境、社会等方面的履责行动与成效，结构清晰，条理清楚，详细回应利益相关方的期望与诉求；封面设计与集团及所属其他上市公司报告封面共同构成一幅画，提升报告的辨识度，篇章跨页使用高清大图，提高报告的美观度；报告案例丰富多元，简洁明了地展示了公司的ESG实际行动，增强了报告的感染力，可读性表现卓越。

可及性 (★★★★☆)

《报告》与年报发布时间间隔在1个月以内，在深交所网站及其指定网站（巨潮资讯网）上进行公开发布，并通过官网官微、行业媒体等渠道发布相关新闻报道，增强了报告的及时性；支持网络搜索、邮寄等渠道获取，提高了报告获取的便捷性，可及性表现领先。

综合评级 (★★★★☆)

经评级小组评价，《河钢股份有限公司2023环境、社会及公司治理报告》为四星半级，是一份领先的ESG报告。

四、改进建议

1. 增加行业核心指标的披露，持续提高报告的完整性；
2. 增加负面数据及负面事件分析的披露，提高报告的平衡性；
3. 增加报告的发布渠道，进一步提升报告的可及性。

黄群慧

评级专家委员会副主席

钟宏武

评级小组组长

魏香丽

评级小组专家

出具时间：2024年4月23日



扫码查看企业评级档案

Rating Report



Rating Report for 2023 Environmental, Social and Corporate Governance Report of HBIS Limited

Upon the request of HBIS Limited, the Chinese Expert Committee on CSR Report Rating invited experts to form a rating panel to rate the 2023 Environmental, Social and Corporate Governance Report of HBIS Limited (hereinafter referred to as "the Report").

I. Rating Basis

Guidelines on Corporate Social Responsibility Reporting for Chinese Enterprises (CASS-ESG 5.0) issued by the Chinese Academy of Social Sciences, and Rating Standards for Corporate Social Responsibility Reporting in China (2023) issued by the Chinese Expert Committee on CSR Report Rating.

II. Rating Process

1. The rating panel reviews and confirms the Confirmation Letter on Process and Accessibility Rating Materials of ESG Reporting and associated materials submitted by the preparation team of the Report;
2. The rating panel assesses the compilation process and contents of the Report and prepares the rating report;
3. Vice chairman of the Chinese Expert Committee on CSR Report Rating, the leader of the rating panel, and the expert of the rating panel jointly review and sign the rating report.

III. Rating Conclusion

Process (★★★★★)

The Company has established an ESG working group led by the Strategic Development Department, the Board Office and the Environmental Protection Department, to implement the relevant work of ESG; the Board of Directors controls the overall direction of the Report and is responsible for the final review, while the functional departments and subsidiaries submit the basic information. The Report is positioned as an important tool for compliance disclosure of performance information, improvement of ESG management, and strengthening stakeholder communication, with a clear functional value orientation. Substantive issues are identified based on national macro policies, international and domestic social responsibility standards, industry benchmarking analysis, major company matters, and stakeholder surveys. The Report is presented in electronic and paper form, featuring excellent process performance.

Materiality (★★★★★)

The Report systematically discloses the key issues of the industry, such as improving ESG governance, serving national strategies, R&D and application of environmental protection products or technologies, recycling of scrap steel, implementing safety production, addressing climate change, service quality management, sustainable supply chain, etc. It is detailed and has excellent materiality performance.

Completeness (★★★★★)

The main contents of the Report systematically discloses 77.58% of the core indicators of the industry from the perspectives of "Improving Governance and Strengthening Development Advantages", "Making Great Efforts and Establishing a Sound Ecosystem" and "Working Together and Creating a Better Future", showing good completeness performance.

Balance (★★★★☆)

The Report discloses negative data information such as the "number of work safety incidents", "number of work-related injuries" and "number of new occupational diseases", showing leading balance performance.

Comparability (★★★★★)

The Report discloses the comparative data of 78 key indicators for

three consecutive years from economic, social and environmental aspects, such as "Attendance at General Meetings of Shareholders", "customer satisfaction", "employee satisfaction" and "Investment in environmental protection". Horizontal comparison is made among "ESG Pioneer 100 Index of Central Enterprises", showing excellent comparability performance.

Readability (★★★★★)

The Report systematically demonstrates the actions and achievements of the enterprise in corporate governance, environment, society and other aspects from three chapters. It is clearly structured and organized and responds to the expectations and demands of stakeholders in detail. The cover design forms a picture together with the report covers of the Group and other subordinate listed companies to improve the recognition of the Report and high-definition large images are used across pages to improve the beauty of the Report. The Report is rich and diverse, concisely presenting the Company's practical ESG actions, enhancing its appeal and showing excellent readability performance.

Accessibility (★★★★☆)

The Report will be published on the website of the Shenzhen Stock Exchange and its designated website (www.cninfo.com.cn) within one month from the release time of the Annual Report, and relevant news reports will be released through the Company's official website and official WeChat account, industry media and other channels to enhance the timeliness of the Report. The Report is available through channels such as web search and by mail, which improves the ease of access to the Report and shows leading accessibility performance.

Overall Rating (★★★★☆)

According to the assessment of the rating panel, the 2023 Environmental, Social and Corporate Governance Report of HBIS Limited is awarded a four-and-a-half rating. It is a leading ESG Report.

IV. Improvement Suggestions

1. Increase the disclosure of core indicators relating to the industry to consistently improve the completeness of the Report;
2. Increase the disclosure of negative data and negative event analysis to improve the balance of the Report;
3. Increase the distribution channels of the Report to further enhance the accessibility of the Report.

黄群慧

Vice Chairman of the Chinese Expert Committee on CSR Report Rating

钟宏武

Leader of the Rating Panel

魏香丽

Expert of the Rating Panel

April 23, 2024



Scan the QR code to learn more about the corporate rating report

意见反馈

Feedback

尊敬的读者：

Dear readers,

感谢您阅读《河钢股份有限公司 2023 环境、社会及公司治理报告》，为了不断改进报告编制工作，我们特别希望倾听您的意见和建议。请您协助完成反馈意见表中提出的相关问题，并选择以下方式反馈给我们。

Thank you for reading the *2023 Environmental, Social and Corporate Governance Report of HBIS Limited*. We sincerely hope that you can put forward valuable comments and suggestions to continuously improve the preparation of the Report. We would like you to assist in answering the questions in this feedback form and return it to us as described below:

公司地址：中国河北省石家庄市体育南大街 385 号

Address: No. 385, Tiyu South Street, Shijiazhuang, Hebei, PRC

邮政编码：050023

联系电话：0311-66770709

公司邮箱：hggf@hbisco.com

Postal Code: 050023

Tel.: 0311-66770709

Email: hggf@hbisco.com

1. 本报告全面、准确地反映公司对经济、社会、环境的重大影响

很好 较好 一般 较差

1. The Report comprehensively and accurately reflects the significant influence of the Company on the economy, society, and environment

Very good Good Fair Poor

2. 本报告对利益相关方所关心问题的回应和披露

很好 较好 一般 较差

2. How do you find the responses to and disclosure for the concerns of stakeholders in the Report?

Very good Good Fair Poor

3. 本报告披露的信息、指标、数据清晰、准确、完整

很好 较好 一般 较差

3. The information, indicators, and data disclosed in the Report are clear, accurate, and complete

Very good Good Fair Poor

4. 本报告的可读性，即报告的逻辑主线、内容设计、语言文字和版式设计

很好 较好 一般 较差

4. The readability of the Report, namely its logic, content design, wording, and format

Very good Good Fair Poor

5. 您认为本报告最让您满意的方面是什么？

5. What is the most satisfying part of the Report?

6. 您认为还有哪些您需要了解的信息在本报告中没有反映？

6. What kinds of information do you think is not disclosed in the Report?

7. 您对我们今后编制 ESG 报告有何建议？

7. What are your suggestions for our future ESG reports?



地 址: 中国河北省石家庄市体育南大街385号

Address: No. 385, Tiyu South Street, Shijiazhuang, Hebei, PRC

邮政编码: 050023

Postal Code: 050023

联系电话: 0311-66770709

Tel: 0311-66770709

公司邮箱: hggf@hbisco.com

Email: hggf@hbisco.com

公司网址: <http://hebgtf.com>

Website: <http://hebgtf.com>

报告出版的环境考虑

Measures taken to protect environment during publication

纸张: 采用环保纸张印刷

Paper: Environmentally friendly paper is used for printing the Report.

油墨: 采用环保油墨以减少空气污染

Ink: Environmentally friendly ink is used to reduce air pollution.