

Eastern Steel SDN. BHD. ESG Report 2024-2025

东钢集团有限公司2024—2025年ESG报告

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ABOUT THIS REPORT

关于本报告

This report is the inaugural ESG Report issued by Eastern Steel Sdn. Bhd. (hereinafter referred to as "Eastern Steel" "ESSB" "the Company" or "we"). The report adheres strictly to the principles of objectivity, standardization, transparency, and comprehensiveness, providing detailed disclosure of the Company's ESG philosophy, specific practices, and key progress achieved during the reporting period.

All information and data disclosed in this report are derived from the Company's statistical records and official documents, with no false or misleading statements. The Company assumes full responsibility for the truthfulness, accuracy, and completeness of the contents herein.

本报告为东钢集团有限公司（以下简称“东钢”“公司”或“我们”）发布的首份ESG报告。报告严格遵循客观、规范、透明与全面的原则，详细披露公司的ESG理念、具体实践以及汇报报告期内的主要进展情况。

本报告所披露的信息与数据均源自公司统计报告及正式文件，不存在任何虚假记载或误导性陈述。公司承诺对报告内容的真实性、准确性和完整性承担相应责任。

Reporting Scope 报告范围

This report discloses the environmental, social, and corporate governance (ESG) information of Eastern Steel Sdn. Bhd. for the period from January 1, 2024 to June 30, 2025, covering the Company's key performance and related activities during this timeframe. Certain data and information may extend beyond the reporting period mentioned above.

本报告披露了东钢集团有限公司在2024年1月1日至2025年6月30日期间的环境、社会和公司治理（ESG）相关信息，涵盖了公司在此期间的关键绩效及相关活动。部分数据和信息可能超出上述时间范围。

Reporting Standards 编制依据

The content of this report has been prepared with reference to the *Global Reporting Initiative (GRI) Standards*, the *United Nations Sustainable Development Goals (SDGs)*, and the *International Financial Reporting Standards (IFRS)*.

本报告内容参照全球报告倡议组织《可持续发展报告指南》（GRI Standards）、联合国可持续发展目标（SDGs）、国际财务报告准则（IFRS）编制。

Report Feedback 报告反馈

We welcome any comments or suggestions regarding this report or the Company's ESG performance. Please contact us at:

Address: Lot 6293 & 6294, Teluk Kalong Industrial Estate, Kemaman, Terengganu, Malaysia.

Tel: +609 860 4000

如对本报告或公司ESG表现有任何意见或建议，欢迎联系我们：

地址：Lot 6293 & 6294 Teluk Kalong Industrial Estate, Kemaman, Terengganu, Malaysia.

电话：+609 860 4000

MESSAGE FROM MANAGING DIRECTOR

总经理致辞



In recent years, the global economic landscape has been evolving rapidly. The transition toward green and low-carbon development is no longer a matter of choice but a shared imperative for all countries and industries. As a pillar industry, the steel sector not only carries the vital mission of advancing infrastructure and socio-economic development but also faces the dual challenges of high energy consumption and significant emissions. At the same time, green technological innovation, regional collaboration, and policy initiatives are opening new avenues for growth and opportunity within the industry. Against this backdrop, Eastern Steel Sdn. Bhd. has maintained strategic resolve, moving forward with confidence and stability. Guided by the philosophy of “Benefiting

Others then Ourselves, Achieve Sustainable Operation.” we are seizing the strategic opportunities of low-carbon transformation and striving to chart a path of high-quality and sustainable development amid the dynamic tides of the industry.

We lead with sustainability and address concerns of our stakeholders

We fully recognize that the Company’s development relies on the trust of shareholders, the support of customers, the dedication of employees, and the inclusiveness of society. We consistently place sustainability at the core of our strategy, embed a strong sense of responsibility into corporate governance, and extend value creation to both society and the environment. We actively listen to and respond to stakeholder concerns, transforming their expectations into drivers of corporate progress, and strive to achieve the integration of economic, social, and environmental benefits.

We are committed to green transformation and low-carbon development

As a steel enterprise, we shoulder the mission of advancing green transformation in this era. Over the past year, the Company has continuously optimized production processes, enhanced energy efficiency, actively explored clean energy and recycling practices, and steadily advanced its low-carbon strategy. We uphold the concept of green manufacturing, embedding energy conservation and emissions reduction into

every stage of operations, and translating our environmental commitments into concrete actions to build a green and eco-friendly factory. We firmly believe that only by proactively embracing low-carbon development can we secure a competitive edge in the future.

We focus on employee well-being and community prosperity

The growth of Eastern Steel is inseparable from the dedication of all our employees. We consistently place employees at the core of corporate development, continuously enhancing our training system, building growth platforms, and fostering a safe, inclusive, and harmonious working environment. At the same time, we actively fulfill our responsibilities as a corporate citizen by engaging with local communities, supporting community development, and contributing to public welfare initiatives. We are committed to growing together with our employees and advancing in step with our communities, ensuring that the outcomes of the Company’s development benefit a broader range of people.

We emphasize sound governance and value creation

Governance is the cornerstone for a company’s long-term and steady progress. We remain committed to integrity in operations and compliance with laws and regulations, while continuously enhancing corporate governance framework, strengthening risk management and internal

controls, and improving transparency and standardization in operations. We consistently place steady growth and value creation as our top priorities, uphold the highest standards, and strive to build a trustworthy and sustainable corporate image.

Looking ahead, we will continue to uphold the corporate spirit of “Build from Basic, Strive for Excellence” and remain steadfast in the path of green development and innovation-driven growth. We will accelerate the application of digitalization and intelligent technologies, promote collaborative development across the industry value chain, and continuously enhance the Company’s core competitiveness. We firmly believe that, with the joint efforts of all employees and the support of our partners and stakeholders, Eastern Steel will evolve into “Brand ESSB, Innovative ESSB, Smart ESSB, Green ESSB, and Great ESSB.” On the journey of sustainable development, we will continue to achieve new milestones. Let us work together to create an even brighter future for Eastern Steel!

Wang Shifeng

Managing Director/Chairman of the ESG
Management Committee

近年来，全球经济格局加速演变，绿色低碳转型已不再是选择题，而是各国、各行业共同面临的必答题。钢铁行业作为支柱产业，不仅承担着推动基础设施建设和社会经济发展的重要使命，也同时承受着能耗高、排放大的双重压力与挑战。然而，绿色科技创新、区域合作与政策驱动也为行业开辟了新的增长空间和发展机遇。在这样的背景下，东钢始终保持战略定力，坚定信心、稳健前行，以“利人惠己、永续经营”的理念为指引，把握低碳转型的战略机遇，努力在波澜起伏的行业大潮中走出一条高质量、可持续的发展之路。

我们以可持续为导向，回应利益相关方关切

我们深知，企业的发展离不开股东的信任、客户的支持、员工的奋斗以及社会的包容。我们始终坚持把可持续发展作为战略核心，把责任意识融入企业治理，把价值创造延伸至社会与环境的方方面面。我们积极倾听并回应各利益相关方的关切，把他们的期待转化为企业进步的动力，努力实现经济效益、社会效益与环境效益的统一。

我们坚持绿色转型与低碳发展

作为钢铁企业，我们肩负着绿色转型的时代使命。过去一年，公司不断优化工艺流程，提升能源利用效率，积极探索清洁能源和循环利用，稳步推进低碳战略。我们坚持绿色生产理念，把节能减排落实到每一个环节，以实际行动践行对环境的承诺，努力建设绿色工厂、生态工厂。我们相信，唯有主动拥抱低碳发展，才能在未来的竞争中掌握主动权。

我们关注员工福祉与社区共荣

东钢的发展，离不开全体员工的辛勤付出。我们始终将员工放在企业发展的核心位置，持续完善培训体系，搭建成长平台，营造安全、包容、和谐的工作环境。与此同时，我们积极履行企业公民责任，主动融入当地社会，支持社区建设与公益事业。我们愿与员工共成长，与社区同进步，让企业的发展成果惠及更多的人群。

我们重视稳健合规与价值创造

治理是企业行稳致远的基石。东钢坚持诚信经营、依法合规，持续完善公司治理架构，强化风险管理和内部控制，提升运营的透明度和规范性。我们始终将稳健发展与价值创造放在首位，以高标准要求自己，努力塑造值得信赖、可持续的企业形象。

展望未来，我们将继续秉承“只争第一、点滴做起”的企业精神，坚定不移走绿色发展、创新驱动之路。我们将加快数字化和智能化的应用，推动产业链上下游协同发展，持续提升企业核心竞争力。我们坚信，在全体员工的共同努力下，在合作伙伴和社会各界的支持下，东钢必将建设成为“品牌东钢、创新东钢、智慧东钢、绿色东钢、美好东钢”，在可持续发展的道路上不断迈向新的辉煌。让我们携手并肩，凝聚力量，共同开创东钢更加美好的未来！

汪世峰

东钢总经理 / ESG 管理委员会主席



MESSAGE FROM CEO

执行副总经理致辞



Amid the surging global wave of sustainable development, green and low-carbon transformation has become a common priority for governments, industries, and enterprises alike. In recent years, Malaysia has also been actively advancing the green economy and low-carbon transition, embedding sustainability into its national strategic agenda. As an industrial cornerstone, the steel sector not only bears the mission of supporting economic development but also carries the critical responsibility of energy conservation and emissions reduction. Eastern Steel has always attached great importance to its sustainability strategy, positioning “green transformation and responsible operations” as the core direction of the Company’s long-term growth, and responding with

concrete actions to both global and regional sustainability trends.

Confronting Climate Challenges, Advancing Low-Carbon Transition

In 2024–2025, we took solid steps forward in our low-carbon transition. The Company conducted its first comprehensive carbon inventory covering Scope 1, Scope 2, and Scope 3 emissions, systematically identifying emission sources and structures to lay a solid foundation for future reduction efforts. Building on this, we established medium and long-term carbon targets, actively explored pathways for reducing carbon intensity, and launched Environmental Product Declaration (EPD) certification to provide more transparent data supporting greener choices for customers and society. At the same time, we continued to advance low-carbon initiatives such as waste heat power generation, energy optimization, rainwater harvesting, and wastewater reuse, striving to reduce our carbon footprint through the integration of management and technology, and to achieve harmony between production and the environment.

Forging the Foundation of Quality, Cultivating the Essence of Service

Over the past year, Eastern Steel has remained customer-oriented, upholding craftsmanship and continuously optimizing processes and workflows. We have pursued innovation, delivering higher-quality products and services to meet the

evolving demands of the market. In 2024, the commissioning of the 1,450mm hot rolling project provided strong support for the transformation and upgrading of local manufacturing industries. At the same time, we emphasized delivery efficiency and service experience, actively sharing our green and low-carbon achievements with customers and assisting them in meeting the growing international requirements for sustainable products.

Caring for Employee Growth, Upholding Governance Fundamentals

The Company continues to strengthen occupational health and safety management, improve its training system, and provide skill enhancement programs to help employees better adapt to evolving job requirements. At the same time, we place emphasis on local recruitment, foster an inclusive, diverse, and equitable working environment, care for employees’ well-being, and support their career development. We strive to ensure that every member of Eastern Steel can realize personal value through work and experience warmth in life.

Staying True to Our Responsibility, Building Shared Prosperity

The purpose of a business lies not only in creating economic value but also in fulfilling social responsibility and generating social impact. Eastern Steel has deeply engaged in the Southeast Asian market, actively integrating into local communities, and

supporting education, cultural exchange, and community development. During festive seasons, we organize visits and donation activities and contribute to improving local educational resources, taking concrete actions to promote harmony between the Company and the community. We believe that only by growing together with society can corporate development achieve greater sustainability.

Upholding Our Mission, Forging Ahead, Uniting Strength, and Building the Future

Guided by the principles of “green development and responsible commitment,” Eastern Steel will continue to seize the opportunities brought by the green economic transition in Southeast Asia, driving industrial upgrading and low-carbon transformation. We are committed to working hand in hand with our partners to jointly address challenges, share opportunities, and build a cleaner, more efficient, and more sustainable steel value chain. Together, let us move forward and write Eastern Steel’s green chapter within the broader journey of global sustainable development.

Hu Yuxin

CEO/
Director of the ESG Management
Committee

在全球可持续发展浪潮日益澎湃的当下，绿色低碳已成为各国政府、产业与企业的共同话题。马来西亚近年来亦积极推动绿色经济与低碳转型，将可持续发展纳入国家战略重点。钢铁行业作为工业基石，既承担着支撑经济建设的使命，亦面临着节能减排的重大责任。东钢始终高度重视可持续发展战略，把“绿色转型、责任经营”作为企业长远发展的核心方向，以行动回应全球与区域的可持续发展趋势。

直面气候挑战，笃行低碳转型

在低碳转型方面，2024-2025年度我们迈出了坚实步伐。公司首次开展覆盖范围一、二、三的全面碳盘查，系统识别了碳排放来源与结构，夯实了未来减排工作的基础。在此基础上，我们设定了中长期碳目标，积极探索碳强度下降路径，启动并完成环境产品声明（EPD）认证工作，以更透明的数据支持客户与社会的绿色选择。与此同时，我们也持续推动余热发电、能源优化、雨水回收与污水再利用等低碳举措，力求通过管理与技术的结合，减少碳足迹，实现生产与环境的和谐共生。

锻造品质之基，厚植服务之本

过去一年，东钢坚持以客户需求为导向，秉承匠心精神，不断优化工艺与流程。我们坚持创新，不断以更优质的产品和服务应对持续变化的市场需求，2024年实现1450mm热轧项目的投产，为本地制造业转型升级提供强有力支撑。我们同样关注交付效率与服务体验，积极与客户分享绿色低碳成果，协助其共同应对国际市场对可持续产品日益提高的要求。

关切员工成长，坚守治理根本

公司持续强化职业健康与安全管理，完善培训体系，开展技能提升教育，帮助员工更好地适应岗位需求变化。同时，我们注重本地化招聘，营造包容、多元与平等的工作环境，关怀员工生活，支持职业发展，努力让每一位东钢人都能在工作中实现价值、在生活中感受温暖。

坚守责任初心，共筑社会繁荣

企业存在的意义，不仅在于创造经济效益，更在于履行社会责任、创造社会价值。东钢深耕东南亚市场，积极融入本地社会，支持教育发展、文化交流与社区建设。我们在节庆期间开展慰问与捐赠活动，支持地方教育资源改善，以实际行动推动企业与社区的和谐共生。我们相信，唯有与社会共同成长，企业的发展才更具可持续性。

坚守使命，砥砺前行，凝聚力量，筑梦蓝图。东钢将继续以“绿色发展、责任担当”为指引，把握东南亚区域绿色经济转型带来的机遇，推动产业升级与低碳转型。我们愿与合作伙伴一道，共同应对挑战，分享机遇，建设更加清洁、高效、可持续的钢铁产业链。让我们携手前行，在全球可持续发展的宏大进程中，书写属于东钢的绿色篇章。

胡育新

东钢执行副总经理 / ESG 管理委员会主任





Company Profile 公司简介

Eastern Steel Sdn. Bhd. is located in the Teluk Kalong Industrial Estate, Kemaman, Terengganu, on the east coast of Peninsular Malaysia. It is a joint venture invested by Beijing Jianlong Heavy Industry Group Co., Ltd. (hereinafter referred to as "Jianlong Group") and Hiap Teck Venture Bhd. of Malaysia (hereinafter referred to as "Hiap Teck"). Occupying a total area of 1,209 acres, Eastern Steel is an integrated steel enterprise covering multiple business segments, including coke, sintering, ironmaking, steelmaking, hot-rolled coil, silicon-manganese alloy, and power generation.

Eastern Steel has an annual production capacity of 0.8 million tonne of coke, 0.12 million tonne of ferroalloy, 2.52 million tonne of molten iron, 2.7 million tonne of billets and slabs, and 3.5 million tonne of hot-rolled coil. Its core businesses include the production, sales, and operations of steel products and by-products. The Company's sales network extends across Malaysia and is exported to countries and regions such as Thailand, Indonesia, Vietnam, Philippines, Brunei, China, Taiwan(China), India, Pakistan, South Korea, Japan, Turkey, Australia, Italy, Spain, Portugal, Mexico, and United States and beyond.

Eastern Steel's development strategy focuses on strengthening overall competitiveness and advancing its five core missions: "Brand ESSB, Innovative ESSB, Smart ESSB, Green ESSB, and Great ESSB." The Company strives to become a leading integrated steel enterprise in Southeast Asia.

东钢集团有限公司位于马来西亚西马半岛东海岸登嘉楼州甘马挽德洛嘉隆工业园区，由中国北京建龙重工集团有限公司（以下简称“建龙集团”）与马来西亚协德集团（以下简称“协德集团”）共同投资建设。东钢占地面积1209英亩，涵盖焦炭、烧结、炼铁、炼钢、热轧卷板、硅锰合金及发电等多个业务领域，是一家综合性钢铁联合企业。

东钢具备年产焦炭80万吨、铁合金12万吨、生铁252万吨和钢坯270万吨、热轧卷板350万吨的生产能力。主要业务包括钢铁产品及副产品的生产、销售和经营。产品销售网络遍布马来西亚全国，并远销泰国、印尼、越南、菲律宾、文莱、中国、中国台湾、印度、巴基斯坦、韩国、日本、土耳其、澳洲、意大利、西班牙、葡萄牙、墨西哥、美国等亚欧美多个国家和地区。

东钢的发展战略聚焦提升综合竞争力，落实“品牌东钢、创新东钢、智慧东钢、绿色东钢、美好东钢”五大核心任务，力争将东钢打造成东南亚地区领先的钢铁联合企业。

Corporate Culture 企业文化

Corporate Spirit: Build from Basic, Strive for Excellence

企业精神: 只争第一，点滴做起

Core Values: Integrity, Protocol, Teamwork, Excellence, and Mutual Benefit

核心价值观: 诚信、规则、团队、卓越、共赢



Core Philosophies

- ✦ **Operation Philosophy:** Benefiting Others then Ourselves, Achieve Sustainable Operation
- ✦ **Human Resources Philosophy:** Respect, Training, Motivation and Accomplishment
- ✦ **Quality Philosophy:** Customer's Interest Always the First, Detailed Management Always the Rules
- ✦ **Health, Safety & Environment Philosophy:** Precious Life, Precious Environment



核心理念

经营理念: 利人惠己，永续经营

人力资源理念: 尊重人、培养人、激励人、成就人

质量理念: 客户至上，精细管控

安环理念: 珍爱生命，珍视环境

Systems and Product Certifications 体系和产品认证

Eastern Steel has obtained a series of international certifications to ensure that its products and management systems comply with global standards, thereby continuously enhancing the Company's overall competitiveness in the international market.

东钢获得了一系列国际认证，确保产品和管理体系符合国际标准，持续提升公司在全球市场的综合竞争力。



ISO 9001
质量管理体系认证
Quality Management System

ISO 17025
实验室认可
Laboratory Accreditation

美国 ABS
(American Bureau of Shipping)

韩国 KR
(Korean Register)

法国 BV
(Bureau Veritas)

英国 LR
(Lloyd's Register)

中国 CCS
(China Classification Society)

船级社
Classification Society

TOPIC: OUR PATH TO A LOW-CARBON FUTURE

专题：我们的低碳之路

In 2021, the Malaysian government set a clear target to achieve carbon neutrality by 2050 in the 12th Malaysia Plan and positioned sustainable development as a core pillar of national development. This provided a clear policy direction for the low-carbon transformation of businesses. ESSB actively responds to emission reduction requirements, comprehensively advancing its green and low-carbon transformation. We view the climate challenge as an opportunity to continuously enhance the Company's long-term competitiveness, striving to maintain an industry-leading position in the low-carbon era and working together with all stakeholders to promote green development across the industry.

2021年，马来西亚政府在《第十二个马来西亚计划》中确立了2050年前实现碳中和的明确目标，并将可持续发展定位为国家发展计划的核心支柱，为企业低碳转型提供了清晰的政策方向。东钢积极响应减排要求，全面推进绿色低碳转型，以应对气候挑战为契机，不断提升企业长期竞争力，致力于在低碳时代保持行业领先地位，携手各方共同推动行业绿色发展。

Developing a Low-Carbon Development Blueprint 制定低碳发展蓝图

We strictly adhere to the Greenhouse Gas (GHG) Protocol and systematically conduct carbon accounting for Scope 1, 2, and 3 emissions. Based on this, with 2024 as the baseline year, we have set two key goals: to reduce carbon emission intensity by about 20% by 2035, and to strive to achieve carbon neutrality by 2050.

To achieve these goals, we have developed a phased low-carbon transformation pathway, systematically advancing emission reductions across our operations and throughout the entire value chain. To ensure that the emission reduction pathway is scientifically feasible and effectively implemented, we will conduct regular carbon performance assessments, continuously strengthen investments in low-carbon technology R&D, and deepen both internal and external collaborations to comprehensively enhance our implementation capabilities. We will also collaborate with suppliers to establish a green supply chain data-sharing mechanism, actively contributing to the carbon neutrality process in Malaysia and globally.

我们严格遵循《温室气体核算体系》，系统开展范围一、二、三的碳核算工作。在此基础上，以2024年为基准年，我们确立了两大关键目标：力争到2035年将碳排放强度水平降低约20%，并致力于在2050年前实现碳中和。

围绕这两大目标，我们制定了分阶段的低碳转型路径，系统推进运营环节与全价值链减排。为确保减排路径科学可行、实施有效，我们将通过定期开展碳绩效评估、持续加大低碳技术研发投入、深化内外部合作等方式，全面提升我们的实施能力。我们还将与供应商协同建立绿色供应链数据共享机制，积极助力马来西亚及全球碳中和进程。

Phased Low-Carbon Transformation Goals and Pathways 分阶段低碳转型目标与路径

Short-Term (by 2035) 短期 (至 2035 年)	Long-Term (by 2050) 长期 (至 2050 年)
● Optimal Energy Efficiency: Through equipment upgrades and process optimization, we aim to reduce electricity consumption per unit, fuel consumption per unit, coke ratio, and coal ratio, while increasing the generation of by-product steam and waste heat and pressure. ● Improve Product Yield and Material Utilization Efficiency: We focus on enhancing product yield and material efficiency in various processes, including the use of alloys, limestone, and dolomite. ● Circular Economy and Resource Utilization: We strengthen the recycling of scrap steel and increase the scrap steel ratio. Additionally, we accelerate the implementation of metallurgical solid waste recycling projects to improve resource utilization.	● Achieve Operational Net-Zero: We will systematically manage carbon emissions across their entire lifecycle and achieve net-zero emissions at both Scope 1 and Scope 2 levels. ● Green Process Structure: We aim to establish a dominant role for green electricity, green hydrogen, and other renewable energy sources in steel production. This includes the establishment of hydrogen-enriched carbon-recycling blast furnaces and hydrogen-based shaft furnaces, building a green energy supply chain, and achieving deep decarbonization of the energy structure.

TOPIC: OUR PATH TO A LOW-CARBON FUTURE

专题：我们的低碳之路

Phased Low-Carbon Transformation Goals and Pathways 分阶段低碳转型目标与路径

Short-Term (by 2035) 短期 (至 2035 年)	Long-Term (by 2050) 长期 (至 2050 年)
- Enhance Supply Chain Transparency: We have launched the "Green Supply Chain" project, aiming to procure lower-carbon materials. We are working with key suppliers to establish a carbon data-sharing mechanism and jointly drive emission reductions across the value chain. - Expand Renewable Energy Applications: We are gradually increasing the proportion of renewable energy in our overall energy structure, including exploring solar power projects and entering into renewable energy power purchase agreements. - 极致能效：通过设备升级与工艺优化，降低电力单耗、燃料单耗、焦比、煤比等，提高副产蒸汽、余热余压发电量。 - 提高各工序成材率和材料利用效率，如合金、石灰石、白云石等。 - 循环经济与资源利用：加强废钢回收利用，提升废钢比；加快推进冶金固废资源化循环利用项目，提升资源利用率。 - 增强供应链透明度：启动“绿色供应链”项目，采购更低碳的材料，与核心供应商建立碳数据共享机制，共同推动价值链减排。 - 扩大可再生能源应用：逐步提升可再生能源在整体能源结构中的占比，包括探索太阳能发电项目及签订可再生能源电力购买协议。	- Become a Regional Benchmark: We will continue to lead technological innovation in low-carbon steel production, manufacturing high-strength, corrosion-resistant, low-power consumption steel products. Together with all stakeholders, we will build a more sustainable future. - Explore Low-Carbon Frontier Technologies: We will assess and pilot the feasibility of technologies such as hydrogen-based steelmaking, carbon capture, utilization, and storage (CCUS) in production lines, conducting small-scale demonstration applications. - 实现运营净零：通过系统化、全生命周期的方式管理碳排放，在范围一和范围二层面实现净零排放。 - 绿色工艺结构：实现绿电、绿氢等清洁能源在钢铁生产中占主导地位，建立富氢碳循环高炉、氢基竖炉等，构建绿色能源供应链，实现能源结构深度脱碳。 - 成为区域标杆：持续引领低碳钢铁生产的技术革新，生产高强、耐蚀、低功耗的精品钢铁，并与所有利益相关方携手构建更可持续的未来。 - 探索低碳前沿技术：评估并试点氢还原炼钢、碳捕集、利用与封存 (CCUS) 等技术在生产线路中的可行性并进行小规模示范应用。



Note: This roadmap measures the impact of each emission reduction measure on the reduction of carbon emissions intensity per ton of steel. The measurements are based on the Company's actual data, energy usage, and production planning. Saturated steam power generation and distributed photovoltaic systems are expected to be operational by the end of June 2026; CCUS (Carbon Capture, Utilization, and Storage) is expected to be operational by 2029. Due to uncertainties in future capacity and technologies, this roadmap is for reference only.

注：该路线图衡量各减排措施对于吨钢的碳排放强度降低的影响。基于企业实测数据及用能和产量规划进行测定。其中饱和蒸汽发电和分布式光伏预计2026年6月底投产；CCUS预计2029年投产。由于未来产能和技术等的不确定性，该路线图仅供参考。

TOPIC: OUR PATH TO A LOW-CARBON FUTURE

专题：我们的低碳之路

Steadily Advancing Green Transformation 稳步推进绿色转型

To achieve our established low-carbon goals, we continue to promote energy conservation, carbon reduction, and technological upgrades in our production operations, while also enhancing green collaboration and resource optimization across the value chain, ensuring the steady implementation of our low-carbon transformation objectives.

为实现既定低碳目标，我们一方面持续推进生产运营环节的节能降碳与技术升级，另一方面加强价值链上下游的绿色协作与资源优化，确保低碳转型目标稳步落实。

Operational Carbon Reduction 运营降碳

In production operations, we focus on energy recovery, process transformation, and the use of clean energy, systematically advancing carbon reduction measures. By improving energy efficiency and driving technological iteration, we are gradually building a green and efficient production system.

在生产运营环节，我们以能源回收、工艺改造和清洁能源利用为重点，系统推进降碳措施。通过提升能源利用效率和推动技术迭代，逐步构建绿色、高效的生产体系。

Key Measures Include 重点措施包括

- **Efficient Recycling of By-Product Coke Oven Gas:** We are constructing a 55 MW gas power generation unit to convert blast furnace and converter gas into electricity, effectively reducing waste gas emissions and carbon output.
- **Full Utilization of Industrial Waste Heat Resources:** We are building four waste heat boilers and two 50 MW power generation units to convert the high-temperature flue gas produced in the coke oven process into steam for electricity generation, achieving energy recovery.
- **Advancing Dry Quenching Technology Retrofit:** We are constructing an 800,000-ton clean-type thermal recovery coke oven project with an integrated dry quenching boiler, expected to be operational by October. This project, through steam cascading and recycling power generation technologies, will significantly enhance the Company's power generation capacity and further improve energy utilization efficiency.
- **Saturated Steam Power Generation Project:** We will begin the construction of a 12 MW saturated steam power generation unit to fully recover saturated steam produced in steelmaking and rolling processes for electricity generation. This project is expected to be completed and operational by June 2026.

Key Measures Include 重点措施包括

- **Energy-saving Retrofit of the Factory's Lighting System:** Through a specialized retrofit plan, we will replace all existing streetlights in the plant with LED energy-saving lights and install an automatic control system, effectively reducing electricity consumption and improving overall energy efficiency.
- **Utilizing Sintering Flue Gas Waste Heat for Raw Material Drying:** We are using approximately 200°C waste gas from the sintering machine's third stage, which is transported via a waste heat fan system to the blast furnace's elevated material storage, to dry raw materials such as coke, pellet ore, and lump ore. This reduces moisture content in materials entering the furnace, reduces coke ratio, and reduces costs while improving efficiency.
- **Factory Photovoltaic Construction:** We are deploying photovoltaic systems on the rooftops of the rolling mill building, coke and coal shed, and dormitory building, generating clean electricity while providing insulation for the buildings. The total installed capacity is approximately 20 MW, and the project will effectively reduce electricity costs while generating zero emissions, providing green energy for the Company's sustainable development.
- **Dormitory Construction:** The Company currently has 9 employee dormitories, housing more than 1,700 employees. We provide accommodation for Malaysian employees whose commute exceeds 50 kilometers, with nearly 100 Malaysian employees currently residing in the dormitories. In the next phase, we plan to build 3-5 new 16-story dormitory buildings to meet the accommodation needs of more local employees while reducing Scope 3 carbon emissions from employee commuting.
- **高效回收利用生产过程中的副产煤气：**我们通过建设55兆瓦煤气发电机组，将高炉和转炉煤气转化为电能，有效减少废气和碳排放。
- **充分利用工业余热资源：**针对焦炉生产过程中产生的高温烟气，我们建设了四台余热锅炉和两台50兆瓦发电机组，将烟气余热转化为蒸汽并用于发电，实现了能源的回收利用。
- **推进干熄焦技术改造：**我们正在建设80万吨清洁型热回收焦炉配套干熄焦炉项目，预计10月投入运行。该项目通过蒸汽梯级利用和循环发电技术，将大幅提升公司的发电能力，进一步提高能源综合利用水平。
- **饱和蒸汽发电项目：**我们将启动12兆瓦饱和蒸汽发电机组建设，全面回收炼钢和轧钢过程中产生的饱和蒸汽并用于发电。该项目预计于2026年6月建成投产。
- **全厂照明系统节能改造：**通过编制专项改造方案，将厂区现有路灯全面更换为LED节能灯具，并加装自动控制系统，有效降低电力消耗，提升整体能效。
- **烧结废气余热用于原料烘干：**利用烧结带冷机三段约200°C的废气，通过余热引风系统输送至高炉高架料仓，对焦炭、球团矿及块矿等原料进行烘干处理，降低入炉原料含水量，降低焦比，实现降本增效。
- **厂区光伏建设：**利用轧钢厂房屋顶、焦电煤棚及宿舍区楼顶部署光伏发电系统，在实现清洁发电的同时起到建筑隔热作用。项目总装机容量约20兆瓦，投运后可有效降低用电成本，且发电过程零排放，为公司的可持续发展注入绿色动力。
- **宿舍楼建设：**公司现有员工宿舍9栋，现有住宿员工1700多人，我们为路途超过50公里的马来籍本地员工提供住宿，现有马来籍住宿员工近100人。下一步计划宿舍区还要建设3-5栋16层的宿舍楼，用于满足更多的本地员工的住宿需求，同时减少范围三员工通勤的碳排放。

TOPIC: OUR PATH TO A LOW-CARBON FUTURE

专题：我们的低碳之路

Value Chain Collaboration 价值链协同

We are committed to extending low-carbon management throughout the entire value chain. Through measures such as green procurement, optimizing raw material structures, and the recycling of solid waste, we promote upstream and downstream collaboration for emission reductions.

我们致力于将低碳管理延伸至价值链全过程，通过绿色采购、原料结构优化和固废资源化利用等措施，推动上下游协同减排。

Key Practices Include 主要实践包括

- Strengthening Supplier ESG Onboarding: We incorporate ESG requirements into supplier commitment letters and establish green procurement standards. We prioritize long-term cooperation with companies like FMG, which have demonstrated outstanding low-carbon performance, and adopt their carbon-reduction practices, such as replacing fuel-powered vehicles with electric vehicles in mining and transportation.
- Optimizing Raw Material Structure: We increase the use of recycled resources such as scrap steel, while boosting the procurement share of pellet and lump ores, reducing the proportion of sinter ore, and cutting down on coal and coke consumption, thereby controlling carbon emissions from the source.
- Recycling of Solid Waste Resources: We plan to complete the converter slag-tailings brick-making project by the end of 2025, achieving high-value recycling of solid waste. This will not only enhance economic benefits but also reduce Scope 3 carbon emissions.
- 强化供应商ESG准入：将ESG要求纳入供应商承诺函，建立绿色采购标准。优先与FMG等低碳绩效突出的企业开展长协合作，借鉴其采矿和运输环节电车替代燃油车等降碳实践。
- 优化原料结构：提高废钢等再生资源使用比例，同时增加球团矿和块矿采购占比，降低烧结矿配比，减少煤和焦炭消耗，从源头控制碳排放。
- 固废资源化利用：计划于2025年底前建成转炉钢渣—尾渣制砖项目，实现固废高值化循环利用，在提升经济效益的同时降低范围三碳排放。

Bringing Green Products to the World 让绿色产品走向世界

As global market attention on low-carbon products continues to rise, the carbon footprint of products is becoming a key factor for companies to gain a competitive advantage and enter international markets. We extend carbon management throughout the entire product lifecycle, committed to providing our customers with greener, low-carbon steel solutions.

For our core product, crude steel, we have completed a full lifecycle environmental impact assessment and obtained an Environmental Product Declaration (EPD) based on international standards such as ISO14025 and EN15804. The EPD for this crude steel product has been verified through the ICMQ system in Italy and registered on the EPDItaly® official website for global public disclosure. As the first crude steel product EPD report in Malaysia, it demonstrates our strategic determination and commitment to leading the low-carbon transformation in the steel industry and Southeast Asia's manufacturing sector.

Currently, we are actively advancing the EPD certification plan for our hot-rolled steel products, continuously enriching our green product portfolio.

随着全球市场对低碳产品的关注度不断提升，产品碳足迹表现正逐渐成为企业赢得竞争优势和进入国际市场的关键因素。我们将碳管理延伸至产品全生命周期，致力于为客户提供更绿色的低碳钢材解决方案。

针对核心产品粗钢，我们完成了全生命周期的环境影响评估，并获得了基于ISO14025、EN15804等国际标准的环境产品声明（Environmental Product Declaration, EPD）。该粗钢产品EPD报告经意大利ICMQ体系审核验证，并注册发布于EPDItaly®官方网站，向全球公开披露。作为马来西亚首份粗钢产品EPD报告，彰显了我们引领钢铁行业及东南亚制造业低碳转型的战略定力和决心。

目前，我们正积极推进热轧钢带产品的EPD认证计划，持续丰富我们的绿色产品组合。



In addition, to address the EU Carbon Border Adjustment Mechanism (CBAM), we have taken the lead in systematically conducting CBAM carbon emission accounting based on EU technical standards. This ensures the compliance and continuity of our EU export business, effectively enhancing our competitiveness in the international market. Going forward, we will continue to deepen green innovation, strengthen international compliance capabilities, and steadily bring our green products to the world.

此外，为应对欧盟碳边境调节机制（CBAM），我们率先依据欧盟技术标准，系统性地开展CBAM范围碳排放核算，确保对欧出口业务的合规性与连续性，有效增强我们的国际市场竞争力。未来，我们将持续深化绿色创新，强化国际合规能力，让我们的绿色产品稳步走向世界。

BUILDING A TRUSTED GOVERNANCE SYSTEM

构建可信赖的治理体系

CONTRIBUTING TO THE SDGS
回应SDGS



Corporate Governance 公司治理

We have established a sound governance structure, with the Board of Directors jointly composed of representatives from both Chinese and Malaysian shareholders. Regular meetings are convened to ensure compliance in major decision-making. In daily operations, most resolutions are executed through written circulation, while procedural compliance is overseen by a professional company secretary in accordance with the provisions of the *Malaysian Companies Act*.

The Company engages an international audit firm as an independent auditor to safeguard the transparency and fairness of financial information, ensuring compliance with both Malaysian and international accounting standards. Through a well-functioning board mechanism and external oversight, we continuously enhance our corporate governance standards, protecting shareholder interests and supporting the Company's long-term development.

我们建立完善的治理架构，董事会由中马双方股东代表共同组成，定期召开会议，确保重大事项合规决策。日常运作中，多数决议通过文件传签完成，并按照马来西亚公司法令条款，由专业秘书公司负责流程合规。公司聘请国际审计机构作为独立审计方，保障财务信息透明与公正，符合马来西亚及国际会计准则。通过健全的董事会运作机制与外部监督，我们不断提升公司治理水平，确保股东权益与企业长远发展。

Business Ethics and Compliance 商业道德与合规

We uphold business ethics and compliance as fundamental principles, guided by integrity, self-discipline, and ethical operations. We are committed to anti-corruption and integrity, fostering an open and transparent operating environment. We have established whistleblowing and protection mechanisms to ensure that concerns can be expressed safely, and we strengthen information security and privacy management to enhance compliance and risk control capabilities.

我们坚守商业道德与合规，以廉洁自律、诚信经营为基本准则；坚持反腐倡廉，推动公开透明的运营环境；健全举报与保护机制，保障各方能够安全表达关切；强化信息安全与隐私管理，全面提升合规与风险防控能力。

Anti-Corruption **反腐败**

We adopt a zero-tolerance policy toward all forms of bribery and corruption. The *Employee Handbook* explicitly prohibits employees from engaging in any activities that may create conflicts of interest. Particular emphasis is placed on critical functions such as procurement and trading, requiring each business unit to assess its standard operating procedures and identify potential conflict-of-interest situations. Employees are strictly forbidden from accepting monetary benefits, gifts, or favors that could compromise their integrity or independence, thereby safeguarding fairness in decision-making and professional ethics. Since 2023, an Integrity and Fair Cooperation Clause has been included in contract documents to regulate and mitigate corruption risks within the supply chain.

我们对一切形式的贿赂与腐败采取“零容忍政策”，通过《员工手册》明确禁止员工参与任何可能引发利益冲突的活动，尤其针对采购、贸易等关键部门，要求各业务单元评估其标准操作程序，识别潜在的利益冲突情形；员工亦不得接受可能影响其廉洁性或独立性的金钱利益、礼品或恩惠，以保障决策的公正性与职业操守。2023年起，在合同文本添加《廉洁诚信合作条款》，对供应链腐败风险行为作出约束。



Eastern Steel's Middle and Senior Management
Participated in Anti-Corruption Training

东钢中高层参加反贪污培训

Whistleblower Protection **举报者保护**

We place great importance on ethical business conduct and transparent governance, and have formulated a *Whistleblowing Policy and Procedures* to establish a sound, transparent, and reliable communication mechanism. Employees and stakeholders are encouraged to promptly report any misconduct, such as violations of laws and regulations, bribery, fraud, or harassment, in a responsible and confidential manner. The policy clearly states that

whistleblowers shall be protected from retaliation within the scope of the law. All reported matters will undergo objective investigation, with appropriate remedial measures taken when necessary.

Reports may be submitted through multiple channels, including dedicated letters, email, or online forms, and are monitored by the Whistleblowing Governance Team, which provides initial feedback within 14 days. In addition to the whistleblowing policy, we have also established a General Manager Hotline platform to handle real-name reports. It emphasizes that the identity of the caller, the content of the call, and other related information shall remain strictly confidential by all responsible units, thereby strengthening internal protection mechanisms and ensuring employees can express concerns and safeguard their rights in an orderly manner.

我们高度重视诚信经营与透明治理，制定《举报政策及程序》，建立健全、透明、可靠的沟通机制，鼓励员工与利益相关者在知悉违法违规、贿赂、舞弊、骚扰等不当行为时，能以负责任和保密的方式及时举报。政策明确举报人在法律范围内可以免受报复，我们将对所有举报事项展开客观调查，并在必要时采取适当的补救措施。举报可通过专用信件、电子邮箱或在线表单等多种渠道提交，由举报治理小组监督执行，并在14天内完成初步反馈。除举报政策外，我们亦设有总经理热线平台，受理实名举报，强调对来话人身份、来话内容及其他相关信息，各接办单位都要绝对保密，强化内部保护机制，保障员工有序表达关切与维权。

Reporting Mode 报告方式	Contact Details 联系方式
Letter 信件	Eastern Steel Sdn. Bhd. 东钢集团有限公司 Lot 6293 & 6294, Teluk Kalung Industrial Estate, 24000 Kemaman Terengganu Darul Iman Malaysia Attention : Whistleblower Committee 注意：举报委员会
Online Submission 在线提交	Whistleblower Report Form 举报人报告表 ComplianceOfficer@ejianlong.com
General Manager Hotline: Extension 8402 (External Line: 09-8604000), operating on an 8-hour duty schedule (08:00–12:30, 13:30–17:30). Not available on rest days and public holidays. Email Address: lehlinwei@ejianlong.com 总经理热线：内线8402（外线：09-8604000）实行8小时值班制（上午8:00–12:30，13:30–17:30，休息日及公共假日不受理）。 邮箱地址为：lehlinwei@ejianlong.com.	

Information Security and Privacy Protection 信息安全与隐私保护

In safeguarding information security, we follow the unified three-tier construction standards set by our Group headquarters in China and have implemented a range of technical protection measures. Company data is transmitted via a dedicated SDY line with encryption applied at the link layer to ensure secure data transfer. At the access level, permission controls are established so that only authorized personnel can log in. Internally, firewalls are configured to isolate and manage intranet access rights. Through dedicated line encryption, access

authorization, and firewall protection, we effectively safeguard customer information and business data.

我们在信息安全保护方面按照北京建龙集团总部统一的三级建设体系标准进行建设，已落实多项技术防护措施。公司数据通过SDY专线传输，并在链路层进行加密，保障数据传输安全。同时，在访问环节建立权限控制，仅授权人员可登录；公司内部亦配置防火墙，对内网访问权限进行隔离管理。通过专线加密、访问权限和防火墙防护，我们切实保障客户信息和业务数据的安全。

ESG Governance ESG 管理

We regard ESG as the core direction guiding the Company's long-term development. Building on a systematic governance framework, we integrate responsibility into daily management and strategic practices. Through continuous enhancement of communication, collaboration, and issue identification, we ensure foresight and resilience in a complex and evolving environment, thereby driving the joint advancement of corporate value and social value.

我们将ESG视为引领企业长远发展的核心方向，以系统化治理架构为基础，推动责任理念融入日常管理与战略实践；通过持续加强沟通协作与议题识别，确保在复杂多变的环境中保持前瞻性与稳健性，助力企业价值与社会价值的共同提升。

ESG Philosophy ESG 理念

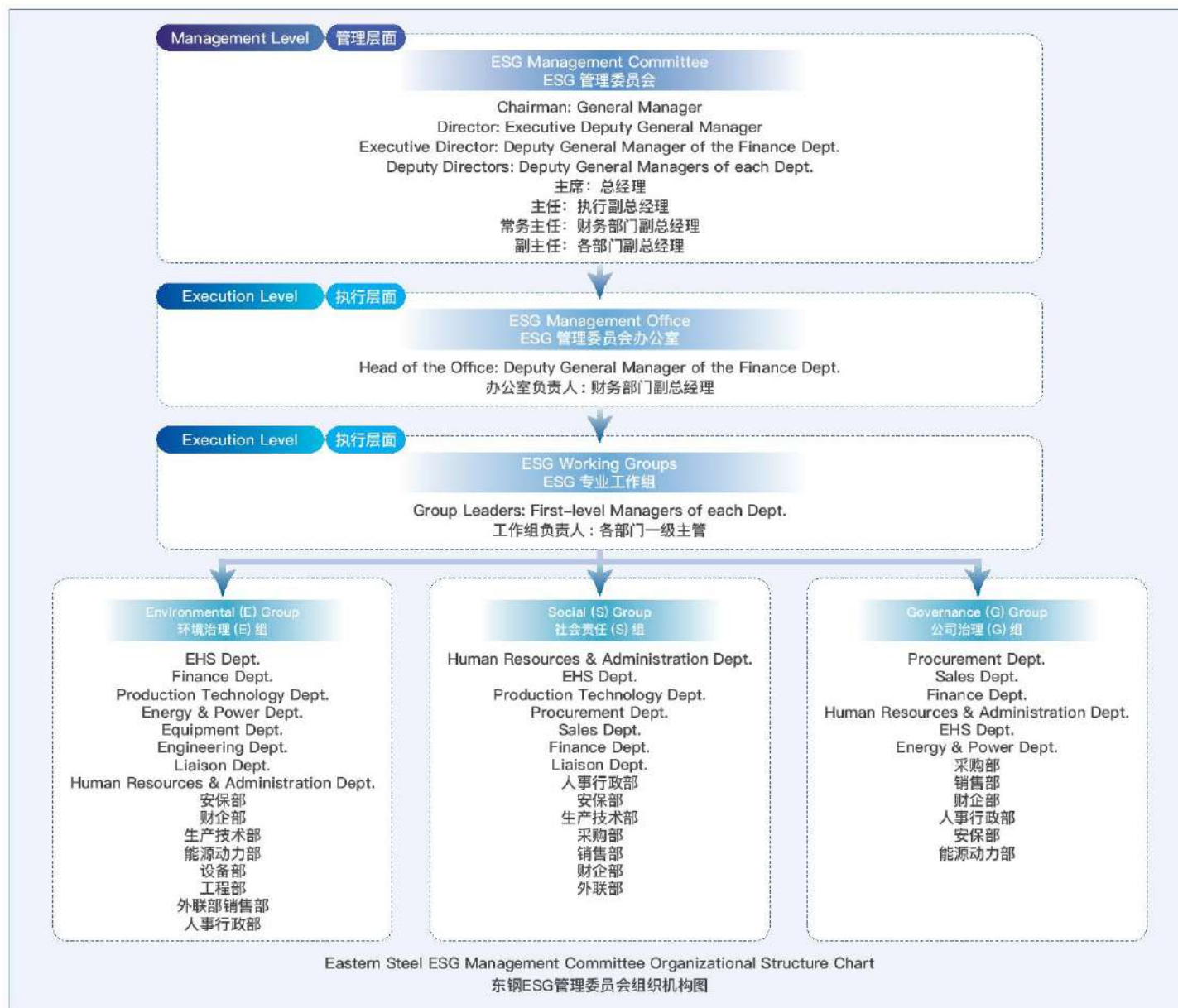
We firmly believe that Environmental, Social, and Governance (ESG) principles represent the core concept driving corporate sustainability. With a responsible management approach, we fully integrate environmental protection, employee well-being, and transparent governance into our daily operations, aiming to achieve synergy between corporate value and social responsibility, and to build a sustainable future together.

我们始终坚信，环境、社会与治理（ESG）是推动企业可持续发展的核心理念。秉持负责任的管理态度，我们将绿色环保、员工福祉与透明治理深度融入日常运营，以实现企业价值与社会责任的协同共赢，携手构建可持续未来。

ESG Governance Structure ESG 管治架构

We have established a clear ESG governance structure, led by the ESG Management Committee, implemented by the ESG Management Office, and executed through dedicated ESG Working Groups. This structure comprehensively covers the three pillars of environment, social, and corporate governance. Through well-defined responsibilities and coordination mechanisms, we ensure the formulation, implementation, and continuous improvement of ESG strategic objectives, thereby steadily advancing the Company's sustainability agenda.

我们建立了清晰的ESG管治架构，由 ESG 管理委员会统筹领导、ESG管理办公室具体落实、ESG专业工作组分工执行，全面覆盖环境、社会与公司治理三大领域。通过清晰的职责分工与协调机制，保障 ESG战略目标的制定、实施与持续改进，稳步推进可持续发展各项工作。



Responsibilities of the Eastern Steel ESG Management Committee

东钢 ESG 管理委员会职责

Level 层级	Role 角色	Key Responsibilities 主要职责
ESG Management Committee ESG 管理委员会	Chairman 主席	Responsible for defining the overall development strategy and direction of the Company's ESG work, exercising leadership and decision-making functions in ESG matters. 负责把握公司ESG工作的总体发展战略和方向，行使ESG工作的领导和决策职能。
	Director 主任	Responsible for the planning and supervision of the Company's ESG development, and guiding the specific implementation of ESG objectives. 负责公司ESG发展的规划和监督，指导各 ESG 目标的具体实施。
	Executive Director 常务主任	Responsible for assisting the Director in the planning and supervision of the Company's ESG development, and guiding the specific implementation of ESG objectives. 负责协助主任开展公司ESG发展的规划和监督，指导各 ESG目标的具体实施。
	Deputy Director 副主任	Responsible for assisting the Director and Executive Director in carrying out the Company's ESG work, taking the lead in coordinating specific objectives under various ESG topics, and resolving issues arising during the implementation process. 负责协助主任和常务主任开展公司ESG工作，并做好ESG各分议题下具体目标的牵头协调工作，解决推进过程中存在的问题。
ESG Management Office ESG 管理委员会办公室	Head of the Office 办公室负责人	Responsible for the promotion and implementation of overall ESG work, specifically including: ✓ Supporting leadership in building the overall goals of sustainable development; ✓ Coordinating relevant departments in formulating and executing plans to achieve sustainable development goals; ✓ ESG information collection and disclosure;

Level 层级	Role 角色	Key Responsibilities 主要职责
ESG Management Office ESG 管理委员会办公室	Head of the Office 办公室负责人	✓ ESG rating work; ✓ Monitoring ESG market changes in Malaysia, surrounding Southeast Asian countries, and internationally. 负责ESG总体工作的推进落实，具体包括： ✓ 支持领导构建可持续发展的整体目标； ✓ 协调相关部门制定和执行实现可持续发展目标的计划； ✓ ESG信息收集与披露； ✓ ESG专项评级工作； ✓ 关注马来西亚、周边东南亚国家、国际ESG市场的行业变化。
ESG Working Groups ESG 专业工作组	Working Group Leader 工作组负责人	Responsible for the planning and implementation of matters related to group content within the ESG work system. 负责ESG工作体系中涉及组别内容的规划与实施工作。
	Environmental (E) Group 环境治理 (E) 组	Responsible for assisting the Director in the planning and supervision of the Company's ESG development, and guiding the specific implementation of ESG objectives. 负责协助主任开展公司ESG发展的规划和监督，指导各 ESG目标的具体实施。
	Social (S) Group 社会责任 (S) 组	Responsible for data statistics, planning, and implementation of sustainable development goals in environmental governance, including biodiversity protection, waste and hazardous materials management, climate change and emissions, energy management, resource efficiency, water management, and air pollution management. 负责保护生物多样性、废物和危险品管理、气候变化与排放、能源管理、资源效率、水管理、空气污染管理等环境治理方面的数据统计、可持续发展目标的规划与实施工作。

Level 层级	Role 角色	Key Responsibilities 主要职责
ESG Working Groups ESG 专业工作组	Governance (G) Group 企业治理 (G) 组	Responsible for data statistics, planning, and implementation of sustainable development goals in environmental governance, including biodiversity protection, waste and hazardous materials management, climate change and emissions, energy management, resource efficiency, water management, and air pollution management. 负责保护生物多样性、废物和危险品管理、气候变化与排放、能源管理、资源效率、水管理、空气污染管理等环境治理方面的数据统计、可持续发展目标的规划与实施工作。

Stakeholder Communication 利益相关方沟通

We attach great importance to communication and collaboration with various stakeholders, striving to fully understand their legitimate concerns and respond to their expectations in a timely manner through diversified engagement mechanisms. By building long-term, transparent, and trust-based relationships, we continuously optimize management practices and promote the joint development of the Company and society.

我们重视与各类利益相关方的沟通与协作，致力于通过多元化的交流机制，充分了解其合理关切，及时回应其期望。通过构建长期、透明与互信的合作关系，我们不断优化管理实践，推动企业与社会共同发展。

Stakeholders 利益相关方	Key Concerns 关注议题	Communication Channels 沟通方式
Government/ Regulators 政府/监管机构	- Compliance management - Environmental policies - Taxation - 合规管理 - 环保政策 - 税务	- Policy implementation - Information disclosure - Audit cooperation - 政策执行 - 信息披露 - 审计配合

Stakeholders 利益相关方	Key Concerns 关注议题	Communication Channels 沟通方式
Investors 投资者	- Financial performance - Governance structure - ESG risks - 财务表现 - 治理结构 - ESG风险	- Annual report release - Results briefings - Responses to inquiries - 年报发布 - 业绩说明会 - 问询回复
Clients 客户	- Product quality - Service assurance - Sustainable products - 产品质量 - 服务保障 - 可持续产品	- Customer satisfaction surveys - Business meetings - 客户满意度调查 - 商务会议
Employees 员工	- Career development - Compensation and benefits - Safety assurance - 职业发展 - 薪酬福利 - 安全保障	- Employee forums - Employee training - Occupational health and safety training - 员工座谈 - 员工培训 - 职业健康与安全培训
Suppliers/ Partners 供应商/合作伙伴	- Procurement standards - Payment terms - Stable cooperation - 采购标准 - 支付条款 - 合作稳定	- Contract negotiations - Performance evaluations - Routine communication - 合同谈判 - 绩效评估 - 日常沟通
Communities 社区	- Environmental impact - Public welfare support - Employment opportunities - 环境影响 - 公益支持 - 就业机会	- Community visits - Public welfare activities - Forums - 社区走访 - 公益活动 - 座谈会

Materiality Assessment 实质性议题识别

In 2024–2025, we advanced a systematic materiality assessment process based on international ESG trends, industry developments, and the Company's own operational characteristics. By integrating policy monitoring, risk analysis, and multi-stakeholder engagement mechanisms, we established a multi-dimensional evaluation framework covering strategic relevance, risk sensitivity, and stakeholder concerns. The entire identification process was carried out in three phases, aiming to provide a professional and forward-looking foundation for ESG-related strategic planning and information disclosure.

在2024–2025年度，我们立足国际ESG发展趋势、行业演进脉络与企业自身经营特点，系统推进实质性议题识别工作。通过整合政策动态监测、风险因素研判与多方沟通机制，我们构建了涵盖战略契合度、风险敏感性与利益相关方关注度的多维评估体系。整个识别流程分为三个阶段，旨在为ESG相关战略规划与信息披露奠定专业、前瞻的基础。



Step 1 Developing the List of Topics

第一步：构建议题清单

Starting from sustainability issues relevant to the steel industry, we reviewed the entire value chain, Malaysia's and international policy developments, industry research findings, and peer practices to initially compile a pool of topics across environmental, social, and governance dimensions. Based on this, and with reference to leading ESG standards such as GRI, SASB, and ISSB, as well as stakeholder feedback, we further refined a list of topics highly aligned with the Company's strategic direction and business characteristics.

我们从钢铁行业的可持续发展议题出发，结合价值链全流程梳理、马来西亚及国际政策动向、行业研究成果及同业实践分析，初步形成覆盖环境、社会、治理等多个维度的议题池。在此基础上，参考GRI、SASB、ISSB等主流ESG标准，并结合利益相关方的反馈意见，进一步筛选出与公司战略方向和业务特性高度相关的议题清单。

Step 2 Assessing Topic Materiality

第二步：评估议题重要性

Following the principle of "double materiality," we assessed each topic from two dimensions: its significance to the Company's development and its impact on stakeholders. On the impact side, we considered both positive and negative effects, as well as the likelihood and scale of occurrence. On the financial side, we evaluated potential implications for revenue, costs, resource allocation, and long-term value. Through internal expert reviews, employee consultations, and surveys with customers and suppliers, we ultimately developed a prioritization matrix of topics.

我们采用“双重重要性”分析原则，从“对公司发展的关键性”与“对利益相关方的影响程度”两个维度对议题进行打分。

在影响层面，我们考虑议题可能带来的正向与负向影响，以及影响发生的可能性与广度；在财务层面，我们评估其对收入、成本、资源配置及长期价值的潜在影响。通过内部专家研判、员工交流、客户与供应商调研等方式，我们最终形成议题优先级排序矩阵。

Step 3 Confirming and Disclosing Material Topics

第三步：确认与披露实质性议题

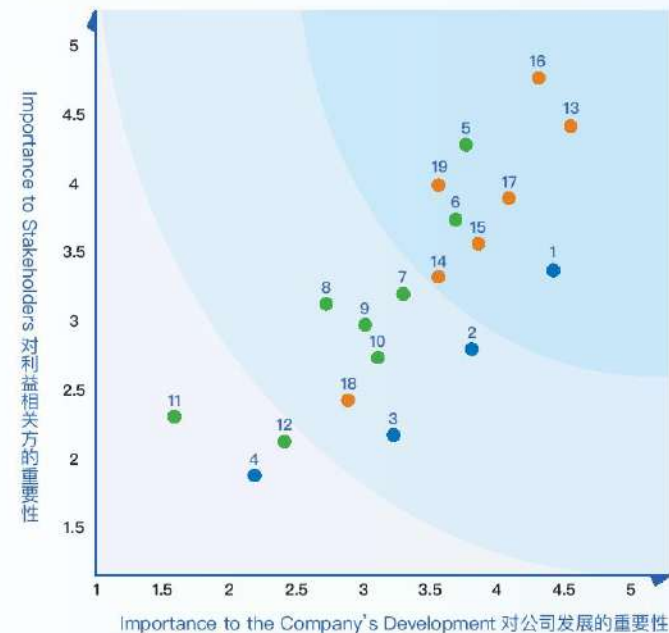
Based on the scoring results, we constructed a two-dimensional matrix of importance to the Company's development versus importance to stakeholders, and classified topics into levels: those scoring 4.0 and above as "Critical Topics," 2.5 and above as "Material Topics," and the remainder as "General Topics." In the ESG Report, we disclose information according to these levels, ensuring that reporting is both accurate and comprehensive, while highlighting key priorities to help stakeholders gain a clear understanding of our core sustainability focus areas and actions.

基于评分结果，我们构建“对公司发展的重要性—对利益相关方的重要性”的二维矩阵，并据此划分议题等级：评分在4分及以上的被归为“特别重大议题”，2.5分及以上为“重大议题”，其余为“一般性议题”。在ESG报告中，我们根据议题等级实施分级披露，确保信息呈现既真实全面，又重点突出，助力利益相关方全面了解我们在可持续发展方面的关键关注与核心行动。

ESG Materiality Topics and Responses ESG实质性议题与回应

No. 序号	Topic 议题	Chapter 章节	Response to SDGs 回应SDGs
1	Occupational Health and Safety 职业健康与安全	Building a Trusted Governance System 构建可信的治理体系	16 Strengthened Anti-Corruption WFTF
2	Product and Service Quality 产品和服务质量		
3	Corporate Governance and Compliance 公司治理和合规		
4	Climate Change Response 应对气候变化		
5	Community Development 社区发展	Towards a Greener Future 迈向更绿色的未来	7 Clean Energy 13 Climate Action 14 Life Below Water 15 Life on Land
6	Protection of Employee Rights and Interests 员工权益保障		
7	Energy Use 能源利用		
8	Innovation-Driven Development 创新驱动		
9	Pollutant Emissions 污染物排放		
10	Employee Training and Development 员工培训与发展		
11	Water Resource Utilization 水资源利用		
12	Sustainable Supply Chain 可持续供应链		
13	Waste Management 废弃物处理		
14	Environmental Compliance Management 环境合规管理		
15	Biodiversity Protection 生物多样性保护	Quality Creates Long-Term Value 品质创造长期价值	9 Industry, Innovation and Infrastructure 12 Responsible Consumption and Production 17 Partnerships for the Goals
16	Anti-Bribery and Anti-Corruption 反商业贿赂及反贪污		
17	Information Security and Privacy Protection 信息安全与隐私保护		
18	Circular Economy 循环经济	Caring for Employee Well- being and Development 关注员工福祉与发展	8 Decent Work and Fair Wages 5 Gender Equality 4 Good Education
19	Anti-Unfair Competition 反不正当竞争		
		Becoming a Trusted Partner in Society 做社会值得信赖的伙伴	1 People 2 Zero Hunger 3 Good Health and Well-being

Materiality Matrix for ESG Topics 实质性议题二维矩阵图



● Governance 治理

1. Corporate Governance and Compliance 公司治理和合规
2. Anti-Bribery and Anti-Corruption 反商业贿赂及反贪污
3. Information Security and Privacy Protection 信息安全与隐私保护
4. Anti-Unfair Competition 反不正当竞争

● Environment 环境

5. Climate Change Response 应对气候变化
6. Energy Use 能源利用
7. Pollutant Emissions 污染物排放
8. Water Resource Utilization 水资源利用
9. Waste Management 废弃物处理
10. Environmental Compliance Management 环境合规管理
11. Biodiversity Protection 生物多样性保护
12. Circular Economy 循环经济

● Social 社会

13. Product and Service Quality 产品和服务质量
14. Innovation-Driven Development 创新驱动
15. Sustainable Supply Chain 可持续供应链
16. Occupational Health and Safety 职业健康与安全
17. Protection of Employee Rights and Interests 员工权益保障
18. Employee Training and Development 员工培训与发展
19. Community Development 社区发展

TOWARDS A GREENER FUTURE

迈向更绿色的未来

CONTRIBUTING TO THE SDGS
回应SDGS



Environmental Management 环境管理

We adhere to a systematic approach in advancing environmental management, embedding compliance requirements into daily operations to form a complete closed loop covering system development, risk control, and continuous improvement. Through comprehensive training and supervision mechanisms, we enhance employee awareness and accountability, while a well-established emergency response system strengthens both prevention and response capabilities, ensuring that environmental management becomes increasingly effective and refined through steady implementation.

我们坚持以体系化思维推动环境管理，将合规要求与日常运营深度融合，形成覆盖制度建设、风险控制与持续改进的完整闭环；通过完善的培训与监督机制提升全员意识与履职能力，并建立健全应急响应体系，强化预防与处置能力，确保环境管理在稳健运行中不断趋于高效与完善。

Environmental Management System 环境管理体系

We have established an environmental management system in line with ISO 14001 standards, adopting the PDCA management cycle and formulating the *HSE Management Manual*. Led by the HSE Department, the system covers institutional development and implementation oversight to ensure efficient operation.

At the planning stage, we identify environmental factors in production, construction, and operational activities, and develop the *Environmental Impact and Evaluation Register and Workplace Risk Assessment Form* to identify, prioritize, and assess environmental factors and their impacts. This process determines their relative significance and clarifies environmental objectives and compliance requirements. During implementation, we strengthen management of key points such as air emissions, wastewater, and hazardous waste through operational controls, procedures, and a three-

tier documentation system, while conducting environmental awareness campaigns to enhance employee consciousness. We regularly organize induction training, on-the-job training, and emergency drills to improve employees' capabilities, and provide tailored training for team leaders, safety officers, and contractors.

In the checking phase, internal audits, compliance inspections, and supervisory patrols ensure that management objectives are achieved and that rectifications are implemented in a closed loop. Key performance indicators are also supported through monitoring, analysis, and reporting mechanisms to drive continuous improvement. These measures continuously reinforce the systematic and forward-looking nature of environmental management, achieving both risk minimization and resource optimization.

我们建立符合ISO14001标准的环境管理体系，遵循PDCA管理循环，制定《HSE管理手册》，由HSE部门主导负责环境管理事项，覆盖制度建设、执行监督等环节，确保体系高效运行。在计划阶段，我们识别生产、施工、运营活动中的环境因素，建立《环境影响、影响评价登记表和工作场所风险评估表》，对环境因素及其影响进行识别、排序和评估，以确定其相对重要性，明确环境目标与合规要求。执行过程中，我们通过作业控制、操作规程和三级文件体系，强化废气、废水、危废等关键节点管理，并开展环境宣传提升员工意识；我们定期组织入职培训、岗位培训与应急演练，提升员工履职能力，并为班组长、安全员和承包商开展定制培训。检查环节通过内部审核、合规检查和监督巡查，确保管理目标达成，问题整改闭环；关键绩效指标亦通过监测、分析与通报机制支持持续改进。以上措施不断强化环境管理的系统性与前瞻性，实现风险最小化与资源利用最大化。



ISO14001:2015



ISO45001:2018



ISO50001:2018

Environmental Emergency Management 环境应急管理

We have established and implemented emergency preparedness and response procedures to systematically identify potential accidents and emergency situations, and to formulate preventive and responsive measures to minimize potential environmental impacts. These procedures are tested regularly and promptly revised following actual incidents. An Emergency Response Committee has been established to identify potential emergencies, implement control measures, and handle unexpected events such as major chemical spills. In addition, at least one emergency drill is conducted annually to verify and strengthen our response capabilities.

我们建立并执行应急准备与响应程序，系统识别可能发生的事故和紧急情况，并制定预防和响应措施，以降低潜在环境影响。该程序定期进行测试，并在实际事件发生后及时修订。我们设立应急响应委员会，负责识别潜在紧急情况、实施控制措施、处理重大化学品泄漏等突发事件，并每年至少开展一次应急演练以验证响应能力。

Pollution Prevention and Control 污染防治

We regard pollution prevention and control as a critical component of environmental management, comprehensively covering the full-process management of wastewater, air emissions, solid waste, and hazardous waste. Through the coordinated implementation of regulatory systems, monitoring and rectification measures, and emergency response plans, we ensure that all discharges and disposal activities remain compliant and under control. At the same time, we strengthen training and supervision to enhance risk prevention and emergency response capabilities, continuously reducing environmental impacts and promoting clean, safe, and sustainable operations.

我们将污染防治作为环境管理的重要环节，全面覆盖废水、废气、废弃物及危险废弃物的全流程管理；通过制度规范、监测整改与应急预案的协同实施，确保各类排放与处置活动合规可控；同时强化培训与监督，提升风险防范与应急处置能力，不断降低环境影响，推动清洁、安全与可持续的生产运营。

Wastewater Management 废水管理

We place great importance on wastewater management and have formulated and implemented the *Wastewater Treatment Plant Management Regulations* to ensure standardized and orderly processes. On-duty personnel are required to remain at their posts, strictly follow operating procedures, be familiar with equipment performance, and master maintenance and troubleshooting skills. Daily inspection and operational recording systems are enforced to ensure data accuracy and clear handovers, while security measures restrict access to treatment stations to authorized personnel only.

Wastewater treatment operations include routine inspections, monitoring, and operational recordkeeping, with regular sludge removal and disinfection of treatment facilities. Anomalies must be reported in strict accordance with established procedures. We also maintain regular communication with health and environmental authorities, submitting facility operation and monitoring results on schedule to ensure transparency and compliance. These measures effectively minimize the adverse environmental impacts of production wastewater.

我们高度重视废水管理，制定并执行《污水处理厂管理规章制度》，确保处理过程规范有序。我们要求当班人员坚守岗位、严格执行操作规程，熟悉设备性能并掌握维护与故障排除技术；落实日常检测与运行记录制度，确保指标真实、交接班清晰，同时强化安全保卫，限制非管理人员进入处理站；污水处理按规定开展巡检、监测与运行记录，定期清掏和消毒构筑物中的污泥，并严格执行异常情况报告机制。

我们还保持与卫生和环保部门的常态沟通，按期上报设施运行与检测结果，确保处理过程透明合规，切实减少生产废水对环境的不利影响。

Waste Gas Management 废气管理

We strictly comply with the *Environmental Quality (Clean Air) Regulations 2014* and have established mechanisms for air emission identification, monitoring, and rectification. The HSE team locates emission sources and commissions consultants to conduct sampling and testing. If results fall below standards, the relevant departments carry out maintenance and implement reduction measures to ensure compliance. Major processes such as sintering, blast furnaces, and boilers are equipped with bag filters or electrostatic precipitators for air emission treatment.

We have also formulated the *Prevention Measures and Emergency Response Plan for Air and Dust Emission Incidents*. In the event of an air or dust emission incident, the emergency plan is activated immediately, including work suspension, source containment, activation of backup emission systems, and cleanup and disposal measures, in order to minimize environmental impacts to the greatest extent possible.

我们严格遵守《环境质量（清洁空气）法规2014》，建立废气排放识别、监测与整改机制。HSE团队定位排放源并委托顾问采样检测，若不达标则由相关部门开展维护，制定减排措施，确保合规。主要工序如烧结、高炉、锅炉等均配备布袋除尘器或电除尘器进行废气处理。制定《废气、粉尘排放事故防范措施和应急预案》，如遇废气、粉尘排放事故立即启动应急预案，包括停工、封闭源头、启动备用排放系统和清理处置，最大程度降低环境影响。



Waste Management 废弃物管理

We adhere to the principles of strict compliance and environmental protection, committed to the standardized management of waste. The *Industrial Waste Management Policy* has been established and implemented to define responsibilities and management procedures at all levels, ensuring that the generation, handling, transportation, storage, and disposal of waste fully comply with the *Environmental Quality (Scheduled Wastes) Regulations 2005* and other applicable Malaysian laws and regulations.

Department heads are required to supervise waste management and monitoring, while the HSE team is responsible for training employees, overseeing waste collection and safe disposal, and ensuring that all waste is properly labeled, packaged, and stored to prevent leaks or spills. Technicians and supervisors in each plant strictly enforce waste classification, labeling, and storage, promptly reporting and taking emergency measures in case of spills, while also conducting regular site cleaning and maintenance. Approval and supervision of all centralized waste storage areas are completed to ensure that waste disposal processes remain fully compliant with regulatory requirements.

我们秉持严格合规与环境保护的原则，致力于废弃物的规范管理。制定并执行《工业废弃物管理》，明确各级职责及管理流程，确保废弃物的产生、处理、运输、储存和处置均符合《2005年环境质素（工业废弃物）规例》等马来西亚法律法规的要求。我们要求各部门负责人监督废弃物管理与监控，HSE团队负责培训员工、监督废弃物的收集和安全处置，确保所有废弃物均被正确标识、包装和储存，防止泄漏和溢出；各厂区技术员和主管严格执行废弃物分类、标签和储存，发生溢漏时迅速通报并采取应急处置措施，同时定期进行现场清洁和维护；完成所有废弃物集中存储区的监管审批，确保废弃物处置流程符合法规。

Hazardous Waste Management 危险废弃物管理

We strictly enforce hazardous waste management and emergency mechanisms, formulating the *Hazardous Waste Accident Prevention Measures and Emergency Response Plan* to clarify command structures and role assignments, thereby enhancing self-prevention and self-rescue capabilities. Hazardous waste is handled with the assistance of third-party contractors accredited by the Environmental Department to ensure regulatory compliance.

For hazardous waste such as batteries, oils, and contaminated containers, we maintain dedicated industrial waste storage facilities. Through emergency drills, employee training, and spill response measures such as sandbag barriers, wastewater system diversion, and accident pool containment, we minimize environmental pollution following leaks. Post-incident pollution monitoring and site cleanup are also conducted to ensure environmental safety.

我们严格落实危险废弃物管理与应急机制，制定《危险废弃物事故防范措施和应急预案》，明确指挥体系与职责分工，提升自防自救能力。危险废弃物聘请经环境局认可的第三方协助处置，确保环境合规。针对电池、油类、污染容器等危险废弃物，我们设有专用的工业废弃物库进行贮存。通过应急演练、员工培训及泄漏应对措施，如沙袋拦截、污水系统切换、事故水池储存等，保障泄漏后污染最小化，并开展事故后污染监测与现场清理，确保环境安全。



As of June 30, 2025,
ESSB's Hazardous Waste Compliance
Disposal Rate reached

截至2025年6月30日，东钢危险废弃物
合规处置率达

100%

Resource Utilization 资源利用

We regard the efficient use of resources as a key pillar of our green transition, adhering to a dual approach driven by standardized management and technological innovation. We continuously enhance the efficiency of energy and water use through measures such as energy optimization, waste heat and energy recovery, and the establishment of circulating water systems. By doing so, we minimize resource consumption and environmental impact, while ensuring stable production. At the same time, we promote the use of clean energy and water-saving practices, laying a solid foundation for low-carbon operations and sustainable development.

我们将资源高效利用视为绿色转型的重要支点，坚持以规范管理与技术创新双轮驱动，持续提升能源与水资源的利用效率；通过能效优化、余热余能回收与循环水系统建设，最大限度降低资源消耗与环境负荷；在保障生产稳定的同时，推动清洁能源应用与节约用水实践，为实现低碳运营和可持续发展奠定坚实基础。



Energy Management 能源管理

We uphold systematic and standardized energy management and have formulated the *Energy Management Regulations*. The Company develops annual and monthly energy balance plans, implements performance-based management and supply-demand balancing mechanisms, covering multiple energy carriers including electricity, gas, oxygen, nitrogen, argon, steam, and compressed air. We have also established comprehensive operating standards, technical specifications, and energy metering systems to drive energy conservation and efficiency enhancement.

We adhere to giving equal emphasis to energy conservation and cost optimization, comprehensively advancing equipment repair and maintenance to reduce energy waste and operational risks. By expanding gas supply capacity, we more efficiently meet the needs of new production lines while avoiding additional consumption from external procurement. We further strengthen energy recovery and utilization, converting surplus resources into revenue and effectively reducing overall costs.

We also carry out energy system certification and routine inspections, ensuring that energy-saving measures are implemented in each process and position, thereby enhancing the scientific and standardized nature of energy management. Throughout the year, power supply remained stable, and energy efficiency continued to improve, providing a solid guarantee for the Company's green and low-carbon transformation. During the reporting period, the proportion of energy expenses decreased from 44.05% in 2024 to 38.90% in 2025, while comprehensive energy consumption fell from 656.88 kgce/t in 2024 to 637.14 kgce/t in 2025, representing a 3% decrease.

我们坚持系统化、规范化的能源管理，制定《能源管理规定》。公司制定年度和月度能源平衡计划，落实能源实绩管理和供需平衡机制，覆盖电力、煤气、氧氮氩气、蒸汽、压缩空气等多类能源介质，并建立完善的运行标准、技术规范 and 能源计量制度，推动节能降耗和能源利用效率提升。

ESSB's Energy Efficiency Enhancement Project

东钢提升能源利用效率项目

Blast Furnace Gas and Converter Gas Recovery Power Generation

高炉煤气与转炉煤气回收发电

We make full use of the blast furnace gas and converter gas generated during the steel production process by constructing a 55MW power plant to convert by-product gas into clean electricity. This initiative effectively reduces waste gas emissions and prevents energy loss. Compared with traditional coal-fired power generation, gas-based power generation produces almost no sulfur dioxide, nitrogen oxides, or particulate matter, significantly improving surrounding air quality, realizing resource recycling, and promoting green and low-carbon development.

我们充分利用钢铁生产过程中产生的高炉煤气与转炉煤气，建设55MW发电厂，将副产煤气转化为清洁电能。此举有效减少废气排放，避免能源浪费。与传统燃煤发电相比，煤气发电几乎不产生二氧化硫、氮氧化物和颗粒物，显著改善周边空气质量，实现资源循环利用，推动绿色低碳发展。



我们坚持节能降耗与成本优化并重，全面推进设备检修与维护，减少能耗浪费和运行风险；通过扩充气体供应能力，更高效满足新产线需求，同时避免外购带来的额外消耗；加强能源回收利用，将多余资源转化为收益，有效降低总体成本。我们还开展能源体系认证和日常检查，推动节能措施落实到各工序与岗位，提升能源管理的科学性与规范性。全年供电保持稳定，能源使用效率持续提升，为企业绿色低碳转型提供了坚实保障。报告期内，能源费用占比由2024年的44.05%降低至2025年的38.90%，综合能耗由2024年的656.88kgce/t降低至2025年 637.14kgce/t，即下降 3%。



From January 1, 2024 to June 30, 2025,
ESSB's Clean Energy Consumption
reached

2024年1月1日至2025年6月30日，东钢
清洁能源使用量达

1,723,984MWh

ESSB's Energy Efficiency Enhancement Project 东钢提升能源利用效率项目

□ Coke Oven Flue Gas Waste Heat Power Generation 焦炉烟气余热发电

In the coking process, we have built four waste heat boilers and two 50MW steam turbine generator units to convert the waste heat from high-temperature coke oven flue gas into steam for power generation, thereby realizing energy recovery and utilization. This initiative effectively reduces energy waste, decreases pollutant emissions, enhances resource utilization efficiency, and promotes green and clean production.

我们在焦化工序建设4座余热锅炉及2台50MW汽轮机发电机组，将高温焦炉烟气余热转化为蒸汽并驱动发电，实现能源回收利用。此举有效降低能源浪费，减少污染物排放，提升资源利用效率，推动绿色清洁生产。



□ Utilization of Waste Heat from Sintering Circular Cooler Exhaust Gas 烧结带冷机废气余热利用

We utilize the approximately 200°C exhaust gas from the sintering circular cooler, which is directed into the blast furnace stock bin through a waste heat induced draft fan to dry coke, pellet ore, and lump ore. This process reduces the moisture content of raw materials, decreases the moisture in coke charged into the furnace, lowers the coke ratio, and achieves both cost reduction and efficiency enhancement, while promoting efficient energy utilization.

我们利用烧结带冷机约200°C废气，经余热引风机导入高炉料仓，对焦炭、球团矿及块矿进行烘干，降低原料含水量，减少入炉焦炭水分，降低焦比，实现降本增效与能源高效利用。



Water Resources Management 水资源管理

We adhere to systematic water resources management, focusing not only on the stability and safety of water supply but also on recycling and water conservation. Through institutional requirements, process optimization, and monitoring and control, we ensure the efficient allocation and sustainable use of water resources. At the same time, we promote the application of water-saving facilities and green processes, fostering a culture of conservation with full employee participation. This approach enhances resource utilization efficiency while ensuring stable production operations, thereby supporting low-carbon and sustainable development.

我们坚持系统化水资源管理，既注重供水稳定与安全保障，也强调循环利用与节约用水；通过制度约束、工艺优化与监测管控，确保水资源高效配置与持续利用；同时推动节水设施与绿色工艺的应用，营造全员参与的节约氛围，在保障生产运行的同时提升资源利用效率，助力低碳与可持续发展。



◆ Ensuring Stable Water Supply 确保用水稳定

We attach great importance to water management and have implemented the *Interim Provisions on Water System Management* and the *Implementation Plan for Water Conservation Measures*. These policies ensure the safety and stability of water supply for both production and daily operations. The Energy and Power Department is designated to centrally manage the operation and maintenance of the water supply system, with strict prohibitions on unauthorized water intake or cross-connection. Any modification to water-use processes by individual units must undergo approval and filing procedures.

We have established emergency water supply mechanisms for critical areas such as fire protection and blast furnaces to ensure continuous water supply for key equipment under unexpected circumstances. The Company also strengthens water quality treatment and chemical dosing control to prevent adverse impacts on pipelines and processes. Each production plant strictly implements water sampling and submission requirements, with the Production Technology Department conducting water quality testing at prescribed intervals to ensure representativeness and accuracy of monitoring.

Through institutional constraints, process control, and routine monitoring, we have effectively improved water resource utilization efficiency, safeguarded supply stability, and laid a solid foundation for water conservation and green development.

我们高度重视用水管理，制定《东钢集团有限公司水系统管理暂行规定》《东钢公司节约用水措施实施方案》等制度，确保生产和生活供水安全稳定；明确能源动力部门统一指挥供水系统运行与检修，严禁超计划取水、串水等行为，并要求各单位任何改动用水工艺须经审批备案；建立消防与高炉等重点环节的应急供水保障机制，确保关键设备在突发情况下可持续供水；公司通过水质治理和药剂投加管控，避免对管道和工序产生不利影响；各生产厂严格落实水样采集和送检，由生产技术部门按频次检测水质，保障监测的代表性与准确性；通过制度约束、工艺控制和日常检测，有效提升水资源利用效率，确保供水安全，为节约用水与绿色发展奠定基础。

◆ Water Conservation 节约用水

We actively promote water recycling and conservation management, leveraging a well-developed circulating water system to enable multiple uses of the same drop of water, thereby minimizing the intake of fresh water. Through optimized water quality treatment and chemical dosing, we ensure the stable operation of the system and prevent scaling and losses. At the same time, we strengthen equipment inspections and water tank cleaning to eliminate leakage, seepage, and dripping, thereby maintaining facilities in good condition.

For new projects, priority is given to water-saving fixtures and circulating water devices to ensure the implementation of water conservation measures. Through end-to-end monitoring and dynamic adjustments, we continuously enhance water resource utilization efficiency, while fostering an atmosphere where water conservation is everyone's responsibility. In doing so, we ensure stable production while advancing green development.

我们积极推进水资源循环利用与节约用水管理，依托完善的循环水系统实现同一滴水多次使用，最大限度减少新水取用，并通过优化水质治理和药剂投加，保障系统稳定运行，避免结垢和损耗。同时，我们强化设备巡检和水池清理，杜绝跑冒滴漏现象，确保设施处于良好状态；在新建项目中优先采用节水型器具和循环用水装置，落实节水措施；通过全过程监测和动态调整，不断提升水资源利用效率，营造“节约用水，人人有责”的氛围，在保障生产的同时推动绿色发展。



From January 1, 2024 to June 30, 2025,
ESSB's Recycled Water Consumption
reached

2024年1月1日至2025年6月30日，东钢
循环用水量达

8,274,046m³



Case: Rainwater Harvesting and Domestic Sewage Substitution

案例：雨水收集与生活污水替代利用

Leveraging Malaysia's high-rainfall climate, ESSB actively promotes the resource utilization of rainwater and domestic sewage. In the residential area, the Company expanded sedimentation ponds and installed chemical flocculation and filtration systems to purify collected rainwater and domestic wastewater. The treated water is then used to replace municipal supply for auxiliary production processes and landscape irrigation. Meanwhile, in the sintering process, rainwater and wastewater from the power plant's circulating water pools are fully utilized for material mixing, significantly reducing fresh water consumption. This initiative not only realizes water resource recycling but also alleviates environmental burdens.

东钢结合马来西亚多雨气候特点，积极推进雨水与生活污水资源化利用。公司在生活园区扩挖沉淀池并加装药剂絮凝与过滤系统，将收集的雨水及园区污水净化后，替代市政供水用于生产辅助环节和绿化灌溉。同时，烧结工序亦充分利用雨水及发电循环水池排污水进行拌料，显著降低新水消耗，实现水资源的循环利用与环境负荷的双重减轻。



Ecological Protection 生态保护

We attach great importance to ecological protection, pursuing harmony with the natural environment alongside our production and operations. We continuously enhance greening efforts within and around the plant area to create a favorable ecological environment and increase vegetation coverage. The Company has approximately 46,155 square meters of green space in the residential area and 57,500 square meters in the production area. In addition, 4,285 plants have been cultivated in-house to further improve the site environment.

At the same time, we strictly implement environmental protection measures, focusing on safeguarding local flora and fauna and preventing production activities from damaging natural habitats. Through sound management systems and regular maintenance, we continuously strengthen the green buffer around the plant, fostering harmony between people and nature.

我们高度重视生态保护，在生产运营的同时兼顾与自然环境的和谐共生。我们持续加强厂区及周边的绿化建设，营造良好的生态环境，提升植被覆盖率。公司生活区绿化面积约46155平方米，生产区绿化面积约57500平方米。此外，公司还自行培育绿植4285棵，不断改善现场环境。同时，我们严格落实各项环保措施，注重对周边动植物的保护，避免生产活动对自然栖息地造成破坏。通过完善管理制度与日常维护，我们不断巩固厂区绿色屏障，推动人与自然的和谐发展。

Company Residential Area Landscaping
公司生活区绿化



The Malayan Tapir — Malaysia's National
Treasure Living Near the Company
公司附近生活的马来西亚国宝 - 马来貘



Climate Change Response 应对气候变化

We have incorporated climate change response into the core agenda of sustainable development, with a sound governance structure guiding both decision-making and execution. Through strategic direction and technological innovation, we steadily advance energy conservation, emissions reduction, and green transformation. At the same time, we systematically identify risks and opportunities, strengthen resilience and policy adaptation, and continuously enhance our low-carbon competitiveness and sustainable value in operations.

我们将气候变化应对纳入可持续发展的核心议程，以完善的治理架构统筹决策与执行；通过战略引领与技术创新，稳步推动节能减排与绿色转型；同时系统识别风险与机遇，强化韧性建设与政策响应，不断提升运营的低碳竞争力与可持续价值。

Governance 管治

We regard climate governance as a core issue of sustainable development. The ESG Management Committee is responsible for overall decision-making and oversight, ensuring that climate risks and opportunities are integrated into the Company's overall strategy. The HSE Department, as the executive entity, implements greenhouse gas management, energy conservation, and emissions reduction initiatives, continuously improving environmental performance and actively addressing climate challenges.

我们将气候治理作为可持续发展的核心议题，由公司ESG管理委员会统筹负责相关决策与监督，确保气候风险与机遇纳入公司整体战略。HSE部门作为执行主体，具体落实温室气体排放管理、节能减排等工作，不断提升环境绩效，积极应对气候变化挑战。

Strategy 战略

We attach great importance to the profound impact of climate change on the steel industry and consistently place climate response as a strategic priority for corporate development. As a steel enterprise in Malaysia, we actively respond to global low-carbon trends, continuously advancing green transformation. Through energy efficiency and carbon reduction, technological upgrades, and process optimization, we strengthen climate resilience and remain committed to contributing to a low-carbon future.

我们高度重视气候变化对钢铁行业带来的深远影响，始终将应对气候变化作为企业发展的战略重点。作为马来西亚的钢铁企业，我们积极顺应全球低碳发展趋势，持续推进绿色转型，通过节能降碳、技术升级和流程优化等手段，不断提升气候韧性，致力于为构建低碳未来贡献力量。

Risks and Opportunities 风险和机遇

We have systematically identified the risks and opportunities posed by climate change, including the impact of extreme weather on production and the compliance pressures arising from changes in carbon policies. To address these risks and opportunities, we have established a climate response mechanism that strengthens facility resilience, optimizes the energy mix, and closely tracks policy developments, thereby mitigating potential impacts and ensuring operational stability.

我们系统识别了气候变化带来的风险和机遇，包括极端天气对生产的影响及碳排放政策变化带来的合规压力。针对风险和机遇，我们建立了气候应对机制，通过强化设施韧性、优化能源结构及跟踪政策动态，积极降低潜在影响，保障运营稳定性。



◆ Climate Risk
气候风险

Risk Category 风险类别	Risk Subcategory 风险子类	Risk Description 风险描述	Time Horizon 影响周期	Our Response 我们的应对
Physical Risks 物理风险	Acute Risks 急性风险	Frequent extreme weather events such as heavy rain, floods, typhoons, and thunderstorms may cause damage to plant facilities, production stoppages, or logistics disruptions, affecting delivery schedules, and extreme heat may impact worker health, increase labor costs, or cause production interruptions. 暴雨、洪水、台风、雷暴等极端天气频发，可能导致厂区设备损毁、停工或物流中断，影响交付进度；极热天气可能影响工人健康，用工成本增加或造成生产中断。	Short Term 短期	Strengthen plant drainage system construction, regularly inspect key equipment, and establish diversified transportation channels and emergency response mechanisms. 加强厂区排水系统建设，定期检修关键设备，建立多元化运输通道与应急响应机制。
	Chronic Risks 慢性风险	Rising annual temperatures and changes in humidity may accelerate equipment aging, increase energy consumption, and raise health risks for workers. 年均气温升高和湿度变化可能导致设备老化加速、能源消耗增加及工人健康风险上升。	Medium to Long Term 中长期	Enhance production line automation, introduce energy-saving cooling technologies, and optimize working environments and shift arrangements. 提升生产线自动化水平，引入节能降温技术，优化作业环境与班次安排。
Transition Risks 转型风险	Policy Risks 政策风险	The implementation of carbon taxes, emission quota systems, and stricter energy efficiency standards may significantly increase operating costs and compliance pressures. 政府推行碳税、排放配额制度及能效标准趋严，企业运营成本和合规压力大幅上升。	Medium Term 中期	Establish a carbon accounting system, participate in the national carbon market, and promote clean energy substitution and energy efficiency improvements. 建立碳排放核算体系，参与国家碳市场交易，推动清洁能源替代及能效提升。

Risk Category 风险类别	Risk Subcategory 风险子类	Risk Description 风险描述	Time Horizon 影响周期	Our Response 我们的应对
Transition Risks 转型风险	Technology Risks 技术风险	Rapid global advancements in green smelting and decarbonization technologies may weaken the Company's market competitiveness and compliance capacity if technology upgrades lag. 全球绿色冶炼和脱碳技术更新迅速，若技术升级滞后将影响公司市场竞争力和合规能力。	Medium to Long Term 中长期	Continue to increase R&D investment, collaborate with research institutes on green technology partnerships, and gradually introduce low-carbon process equipment. 持续加大研发投入，联合科研院所开展绿色技术合作，逐步引入低碳工艺装备。
	Market Risks 市场风险	Growing international demand for green steel means that products with high carbon footprints or lacking traceability may result in lost orders. 国际客户对绿色钢材需求日益增强，若产品碳足迹高或缺乏可追溯机制将失去订单。	Short to Medium Term 短中期	Promote product carbon footprint certification, develop a series of low-carbon steel products, and expand into ASEAN and global green building materials markets. 推动产品碳足迹认证，开发低碳钢材系列，拓展东盟及全球绿色钢材市场。
	Reputational Risks 声誉风险	Weak climate governance or insufficient disclosure may trigger doubts and loss of trust from the media, the public, or investors. 若气候治理薄弱或信息披露不足，可能引发媒体、公众或投资者的质疑及信任流失。	Short Term 短期	Establish a climate information disclosure system, publish annual ESG reports, and actively participate in industry and government dialogues and initiatives. 建立气候信息披露制度，发布年度ESG报告，积极参与行业与政府对话与倡议。

Climate Opportunities 气候机遇

Opportunity Type 机遇类型	Opportunity Description 机遇描述	Our Response 我们的应对
Policy Opportunity 政策机遇	The national strategy for green and low-carbon transition introduces green financing, tax incentives, and other policies to encourage corporate green upgrading. 国家推动绿色低碳转型战略，出台绿色融资、税收减免等政策，鼓励企业绿色升级。	Actively apply for green certifications and financing projects, secure government incentive policies, and advance the implementation of energy-saving and carbon-reduction projects. 积极申请绿色认证与绿色融资项目，争取政府激励政策，推动节能降碳项目落地。
Technology Opportunity 技术机遇	Low-carbon technologies such as clean energy, green smelting, and carbon capture are increasingly maturing, significantly improving production efficiency and environmental performance. 清洁能源、绿色冶炼和碳捕集等低碳技术不断成熟，可显著提升生产效率与环保水平。	Introduce advanced green equipment, establish a low-carbon technology R&D team, and gradually replace traditional high-emission production processes. 引进先进绿色设备，设立低碳技术研发小组，逐步替代传统高排放生产环节。
Transition Risks 转型风险	Domestic and international demand for low-carbon and green steel is rapidly increasing, with green products holding premium potential. 国内外客户对低碳钢材和绿色钢材需求快速增长，绿色产品具备溢价潜力。	Launch a series of low-carbon products, expand into emerging markets such as green buildings and infrastructure, and enhance product added value. 推出低碳产品系列，拓展绿色建筑、基础设施等新兴市场，提升产品附加值。
Reputational Opportunity 声誉机遇	Active performance in climate governance helps enhance the Company's brand image and strengthen trust from investors, customers, and governments. 在气候治理方面表现积极有助于提升公司品牌形象，增强投资者、客户和政府信任。	Proactively disclose climate performance data, participate in industry climate initiatives, and showcase the Company's green transformation achievements. 主动发布气候绩效数据，参与行业气候倡议，展示公司绿色转型成果。
Transition Risks 转型风险	Climate-friendly enterprises are more likely to obtain sustainable financial support such as green loans and ESG fund investments. 气候友好型企业更易获得绿色贷款、ESG基金投资等可持续金融支持。	Build a robust ESG governance structure, strengthen ESG rating management, and promote inclusion of the Company in more sustainable investment portfolios. 构建完善 ESG 治理结构，加强 ESG 评级管理，推动公司纳入更多可持续投资组合。

Risk Management 风险管理

We actively advance climate risk management by addressing both mitigation and adaptation to reduce potential impacts.

On the mitigation side, we are expanding our green energy layout by installing photovoltaic power systems on the roofs of the rolling mill, coke and coal sheds, and dormitory areas, with a maximum installed capacity expected to reach 10.8 MW. These systems not only generate electricity with zero emissions and no energy consumption but also provide insulation, cooling, and cost-efficiency benefits. In procurement, we incorporate ESG requirements into supplier commitments, prioritizing long-term partnerships with those achieving results in carbon reduction, such as adopting electric vehicles instead of fuel-powered ones in mining and transportation. In resource utilization, we optimize cost-performance calculations to increase the ratio of scrap steel and raise the proportion of pellets and lump ores, thereby reducing coal and coke consumption and lowering carbon emissions.

On the adaptation side, we have developed the *Eastern Steel Emergency Response Plan* for Natural Disasters, which sets out preventive and responsive measures for extreme weather events such as typhoons and floods, continuously enhancing the Company's resilience in addressing climate risks.

我们积极推进气候风险管理，从减缓与适应两方面入手降低潜在影响。在减缓方面，我们推动绿色能源布局，利用轧钢厂房、焦电煤棚及宿舍区屋顶建设光伏发电系统，预计最高装机容量可达10.8MW，不仅在发电过程中零排放、无能源消耗，还能起到隔热降温和本地增效作用；同时，在采购端将ESG要求纳入供应商承诺，优先与在降碳方面有成效的合作伙伴开展长期合作，如其在采矿、运输中积极采用电动车替代燃油车。在资源利用上，我们通过性价比测算，增加废钢配比、提高球团和块矿比例，从而降低煤和焦炭消耗，减少碳排放。在适应方面，我们编制《东钢突发自然灾害应急预案》，针对台风、洪涝等极端气象事件制定防范与处置措施，不断提升企业应对气候风险的韧性。



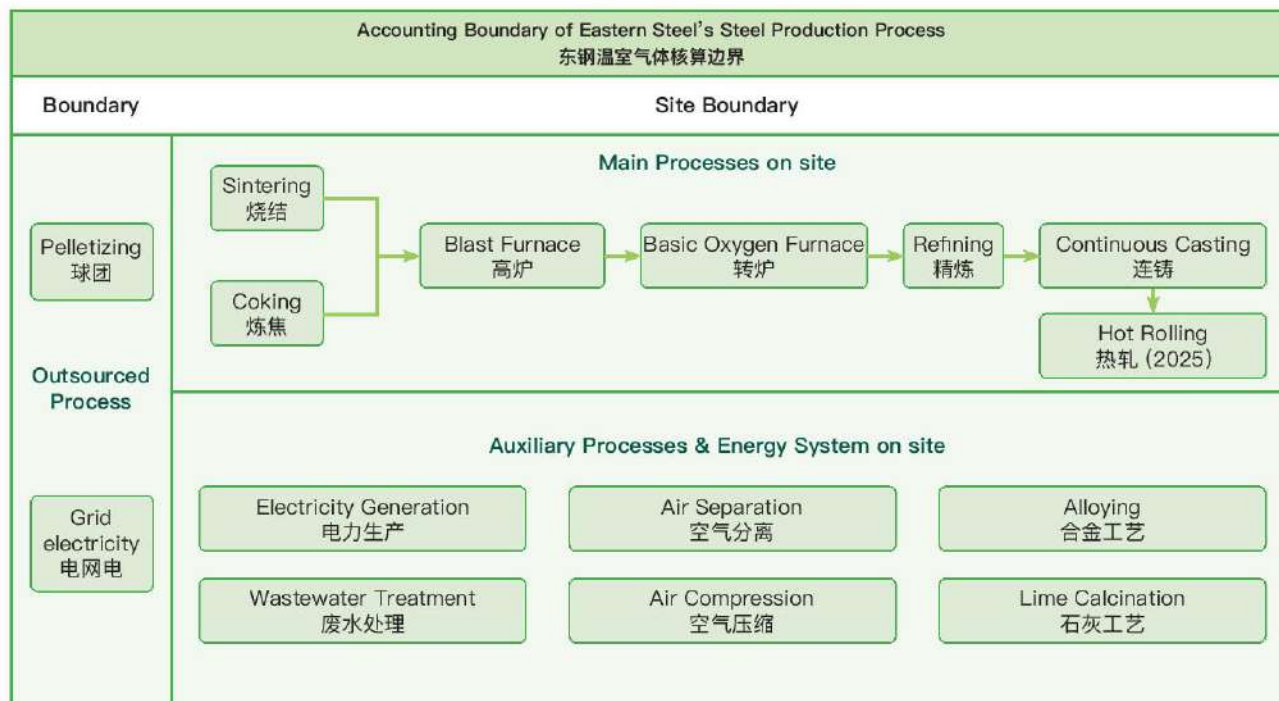
Metrics and Targets 指标与目标

To address climate change, we adopt scientific methods to conduct greenhouse gas (GHG) accounting and, on this basis, establish our carbon targets.

For GHG emissions accounting, we strictly follow the internationally recognized GHG Protocol and refer to industry best practices to ensure data accuracy and traceability. The accounting scope covers all operating entities and their controlled activities, with the aim of gaining a comprehensive understanding of our organizational carbon emissions, thereby providing a solid data foundation for subsequent reduction initiatives.

在应对气候变化的实践中，我们以科学的方法开展温室气体核算，并据此确立了碳目标。

在温室气体排放核算方面，我们严格遵循国际通用的《温室气体核算体系》（GHG Protocol），并参照行业最佳实践，确保数据的准确性与可追溯性。核算范围覆盖所有运营实体及其受控活动，旨在全面掌握我们组织层面的碳排放情况，从而为后续减排举措提供坚实的数据基础。



GHG Emissions During the Reporting Period (Unit: tCO ₂ e) 报告期内温室气体排放 (单位: tCO ₂ e)		
	2024 (2024.1.1–2024.12.31)	2025 (2025.1.1–2025.6.30)
Scope 1 范围一	5,161,758.96	2,670,002.03
Scope 2 范围二	36,566.52	5,799.62
Scope 3 范围三	1,124,890.14	565,779.38

Currently, the accounting of Scope 3 emissions focuses on Category 1 (Purchased Goods and Services), covering key raw materials from suppliers (such as iron ore and coking coal) as well as auxiliary materials. To further improve the accuracy of accounting, we are working closely with core suppliers to systematically collect more detailed Product Carbon Footprint (PCF) data.

当前，范围三的核算重点聚焦于类别1（采购的商品和服务），涵盖来自供应商的主要原材料（如铁矿石、炼焦煤）及辅助材料。为进一步提升核算的精确度，我们正与核心供应商密切合作，系统收集更为详尽的产品碳足迹（PCF）数据。

Based on comprehensive carbon accounting, we have set 2024 as the baseline year, with the goal of reducing carbon emission intensity by about 20% by 2035 and the commitment to achieving operational carbon neutrality by 2050. We will continue to optimize energy efficiency and deepen collaboration with supply chain partners to jointly advance the implementation of various emission reduction measures.

基于全面的碳核算工作，我们设定了以2024年为基准年，计划到2035年将碳排放强度在基准基础上减少约20%，并致力于在2050年前实现运营层面碳中和的目标。我们将持续优化能源使用效率，与供应链合作伙伴深化合作，共同推动各项减排措施的落地与实施。

Scope 3 Emissions by Category During the Reporting Period (Unit: tCO ₂ e) 报告期内范围三分类别排放情况 (单位: tCO ₂ e)		
	2024 (2024.1.1–2024.12.31)	2025 (2025.1.1–2025.6.30)
Category 1: Purchased goods and services 类别 1: 采购的商品和服务	820,300.87	392,359.90
Category 2: Capital Goods 类别 2: 资本货物	826.94	503.35
Category 4: Upstream Transportation and Distribution 类别 4: 上游运输和分销	261,451.96	150,290.00
Category 5: Waste Generated in Operations 类别 5: 运营中产生的废弃物	41,686.95	22,300.66
Category 6: Business Travel 类别 6: 商务差旅	42.16	21.08
Category 7: Employee Commuting 类别 7: 员工通勤	581.27	304.39

QUALITY CREATES LONG-TERM VALUE

品质创造长期价值

CONTRIBUTING TO THE SDGS
回应SDGS



Technological Innovation 科技创新

We regard technological innovation as the key pathway to enhancing core competitiveness and have built an innovation system characterized by “vertical integration, horizontal collaboration, and internal-external synergy,” covering multiple areas such as production, logistics, procurement, and investment. By advancing key research projects, strengthening industry-academia-research cooperation, optimizing incentive mechanisms, and improving R&D platforms, we continuously drive the transformation of scientific achievements, achieving notable cost reductions, efficiency gains, and product improvements. Focusing on the strategic direction of digital and intelligent transformation, and aligning with our management and development needs, we have developed an MES system to enable controllability of production indicators, visualization of operational data, automatic data collection, and transparency across production processes, thereby accelerating the Company’s transformation into a digital and intelligent factory.

我们坚持以科技创新作为提升核心竞争力的关键路径，构建了“纵向贯通、横向融合、内外协同”的科技创新体系，覆盖生产、物流、采购、投资等多个环节。通过深化课题攻关、加强产学研合作、优化激励机制和提升研发平台建设，我们不断推动科研成果转化，实现显著的降本增效和产品力提升；聚焦数智化转型战略方向，紧紧围绕自身管理发展需求，开发MES系统，实现生产指标可控化、状态数据可视化、操作数据自动采集化、生产环节信息透明化，推动公司向数智化工厂转型。

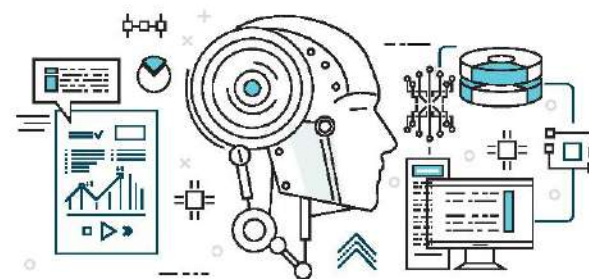


Case: Eastern Steel Produces Its First Hot-Rolled Coil

案例：马来西亚东钢轧制出第一卷热轧卷

On December 21, 2024, Eastern Steel’s 1,450mm rolling mill commenced trial production and successfully produced its first hot-rolled coil, filling the domestic market gap in hot-rolled coil products. The production line is designed with an annual capacity of 3.5 million tonnes and adopts advanced and proven technologies and equipment, achieving international standards in product quality, energy consumption, and production cost. The hot-rolled coil specifications are (1.2–25.4) × (700–1300) mm, covering a wide range of products including ordinary and high-quality carbon structural steel, pipeline steel, ship plate, and automotive steel. The commissioning of this project will provide strong support for the transformation and upgrading of the local manufacturing industry.

2024年12月21日，马来西亚东钢1450mm轧机正式试生产，成功产出第一卷热轧卷，填补了马来西亚热卷产品的空白。该产线设计年产能达350万吨，采用行业内先进成熟的新技术与新设备，在产品质量、能源消耗与生产成本方面均达到国际先进水平。热轧卷板产品规格为(1.2–25.4) × (700–1300) mm，涵盖普通与优质碳素结构钢、管线钢、船板、汽车用钢等多种类型。该项目的投产将为本地制造业转型升级提供强有力支撑。



Quality Management 质量管理

We continuously improve our quality management system by establishing an internal and external communication mechanism to ensure efficient information exchange and orderly system operation. Internally, we strengthen information sharing through professional meetings, scheduling sessions, announcements, and intranet platforms, enabling timely communication of quality policies, progress on objectives, and corrective measures. We have also introduced a proposal system to encourage employee participation in quality improvement initiatives.

Externally, whenever new regulations or customer requirements are received, relevant departments immediately forward them to the Production Technology Department for centralized handling. Through multi-tier and multi-channel communication, we consistently enhance quality control capabilities and reinforce the management foundation for high-quality development.

我们持续完善质量管理体系，建立了覆盖内外部的信息交流机制，确保沟通高效、体系运行有序。通过专业例会、调度会、公告、局域网等方式加强内部信息传递，及时通报质量方针、目标完成情况及相关整改措施。同时，建立提案专案制度，鼓励员工参与质量改进。外部方面，各部门在接收到最新法规或客户要求时，第一时间传递至生产技术部门统一处理。通过多层次、多渠道的信息沟通方式，我们不断提升质量管控能力，夯实高质量发展的管理基础。



Case: Eastern Steel Launches 2024 Quality Month Campaign 案例：东钢召开 2024 年“质量月”活动启动会

In September 2024, Eastern Steel officially launched the Quality Month campaign, themed around Consolidating the Foundation of Enterprise Development, Empowering Value Creation with Digital Intelligence, Advancing Technological Innovation to a Higher Level, and Accelerating the Transformation and Upgrading of Product Quality. Vice General Manager Hu Yuxin emphasized that quality is the lifeblood of the enterprise and called for full employee participation in driving quality improvement.

The campaign included a wide range of initiatives such as quality training, technical competitions, quality improvement proposals, and digital empowerment measures. Leveraging the commissioning of the 1,450mm rolling mill, Eastern Steel established a new quality management system and a complete product portfolio, while advancing information-based controls and supply chain collaboration. These efforts are aimed at building a more efficient, standardized, and scientific quality management framework, continuously leading the industry in high-quality development.

2024年9月，东钢隆重启动“质量月”活动，聚焦“筑实企业发展根基，数智赋能创造价值，科技创新迈向更高层次，加快东钢品种质量转型升级”。公司副总经理胡育新强调，质量是企业生命，全员参与推动质量提升。活动涵盖质量培训、技术比武、质量改进提案及数智赋能等多维举措。东钢依托1450轧钢投产，构建新的质量管理体系及完整产品序列，推动信息化管控和供应链协同，致力于打造高效、标准化、科学化的质量管理新格局，持续引领行业高质量发展。



Case: Company's Hot-Rolled Coil Products Successfully Certified by SIRIM, Entering the "Fast Track" to the Local High-End Market 案例：公司热轧卷板产品顺利通过 SIRIM 认证，迈入本地高端市场“快车道”

In May 2025, the Company's hot-rolled coil products successfully passed the certification audit of *SIRIM QAS International*, under the *Standards and Industrial Research Institute of Malaysia (SIRIM)*, and officially obtained the SIRIM certification. This milestone signifies that the Company's hot-rolled products fully comply with Malaysian national standards and are qualified for legal sales and broad application in the local market.

SIRIM certification is Malaysia's most authoritative product quality and safety certification system, with stringent standards and rigorous procedures, serving as an important gateway for entry into both local and international markets. This certification covers key indicators such as composition, performance, process, and quality consistency, fully demonstrating the Company's comprehensive strength in technology, quality, and management.

2025年5月，公司热轧卷板产品顺利通过马来西亚国家标准与工业研究院（SIRIM）旗下 SIRIM QAS International 的认证审核，正式获得 SIRIM 认证证书。这标志着公司热轧产品已全面符合马来西亚国家标准，具备在本地市场合法销售和广泛应用的资质。

SIRIM 认证是马来西亚最权威的产品质量与安全认证体系，审核标准严苛、程序严格，是进入本地和国际市场的重要“通行证”。此次认证涵盖成分、性能、工艺、质量一致性等关键指标，充分展现了公司在技术、品质与管理方面的综合实力。



CIDB certification CIDB(马来西亚建筑行业管理局)认证



CIDB-PPS
2026 年 05 月 31 日



As of June 30, 2025, ESSB's Product
Qualification Rate reached

截至2025年6月30日，东钢总体产品合
格率已超

97%

Customer Service 客户服务

We adhere to a customer-centric approach, embedding satisfaction management and after-sales service throughout the entire product lifecycle. Through institutional frameworks and feedback mechanisms, we respond promptly to customer concerns and drive continuous improvement. When addressing quality disputes and after-sales issues, we emphasize efficiency, transparency, and accountability, thereby strengthening customer trust and partnerships while continuously enhancing service value and customer satisfaction.

我们坚持以客户为中心，将满意度管理与售后服务贯穿产品全生命周期；通过制度建设与反馈机制，及时回应客户关切并推动持续改进；在质量异议与售后处理中注重高效、透明与责任落实，强化客户信任与合作关系，持续提升服务价值与客户体验。

Customer Satisfaction Management 客户满意度管理

We place great emphasis on customer satisfaction and relationship management, and have established the *Customer-Related Process Control Procedure* to clarify requirements for customer feedback, technical services, quality dispute handling, and emergency response mechanisms. The Sales Department regularly collects customer feedback through phone interviews or visits, maintains categorized profiles for key customers, and coordinates internal improvements based on the feedback to ensure timely responses to customer needs.

When customers require technical services, the Production Technology Department organizes implementation and issues a *Technical Service Report*. For products with post-delivery quality issues, cases are handled in accordance with the *Quality Dispute Management System*. In the event of significant product quality or safety defects, the Production Technology Department formulates emergency measures, which are reviewed by the General Manager before execution through recalls or enhanced tracking.

In addition, we conduct the Customer Satisfaction Survey on a regular basis to continuously monitor satisfaction levels and steadily enhance customer relationships.

我们高度重视客户满意度与客户关系管理，制定《与顾客有关过程的控制程序》，明确客户反馈、技术服务、质量异议处理和紧急应对机制等事项。销售部定期通过电话访问或组织走访收集客户反馈，分类建立重点客户档案，并根据反馈协调内部改进，及时回应客户需求。当客户有技术服务要求时，由生产技术部组织实施，并出具《技术服务报告》；对交付后质量问题的产品，依据《质量异议管理制度》处理；若产品存在重大质量或安全缺陷，则由生产技术部制定应急措施，经总经理评审后执行召回或重点跟踪。同时，我们通过执行顾客满意度调查，持续监测客户满意度水平，推动客户关系稳步提升。

After-Sales Service 售后

We place great importance on customer feedback and adhere to the principle of “timely and proper handling of customer quality disputes.” The *Quality Dispute Management Guidelines* define the Sales Department and the Production Technology Department as the joint managing bodies, with clearly specified responsibilities and procedures.

The Sales Department is responsible for receiving the *Quality Dispute Report* and forwarding it to the Production Technology Department, which must complete the investigation within the prescribed time. During the investigation, tests are conducted jointly with the customer to confirm product defects, and a *Quality Dispute Investigation Report* is issued. Disputed products are then rated (e.g., downgraded, scrapped) with corresponding compensation recommendations. If the dispute is determined to be the Company’s responsibility, the Sales Department negotiates compensation with the customer based on the recommendations. The responsible unit must also develop a corrective plan and implement it within 15 days, with the Production Technology Department responsible for tracking and verification.

我们高度重视客户反馈，坚持“及时、妥善处理客户质量异议”的原则，制定《质量异议管理要点》，明确由销售部和生产技术部共同作为质量异议的管理部门，规范管理职责与处理流程。销售部负责接收《质量异议提出报告书》并反馈至生产技术部，由后者在规定时间内完成调查；调查过程中与客户共同开展试验、确认产品缺陷，并形成《质量异议调查报告》；对异议产品进行评级（如降级、切废等）并提出赔款建议。若异议属我方责任，由销售部依据建议与客户协商赔偿。责任单位则需制定整改方案，并在15日内完成落实，由生产技术部跟踪验证。



As of June 30, 2025, ESSB's
Complaint Resolution Rate reached

截至2025年6月30日，东钢投诉解决
率达

100%



Supply Chain Management 供应链管理

We adhere to standardized and transparent supply chain management, implementing full-process compliance control over supplier admission, modification, and exit in accordance with the *Supplier Management Regulations*. For admission, suppliers are required to possess valid legal qualifications, sound production and operational conditions, and good credit standing. Suppliers of special materials and hazardous chemicals must provide relevant licenses and safety data sheets to ensure procurement quality and safety.

We have established a strict document review process and ERP pre-approval mechanism covering company registration details, business scope, and license validity, ensuring that all documents are verifiable and consistent. For supplier modification or exit, companies must provide valid legal documentation and undergo a multi-level approval process to ensure authenticity, completeness, and to mitigate operational risks.

我们坚持规范透明的供应链管理，以《供应商管理规定》为依据，推动供应商准入、变更与退出的全过程合规管控。准入环节要求供应商具备合法资质、健全的生产经营条件和良好信用，特殊物资和危险化学品供应商必须提供相关许可证书与安全技术说明书，确保采购质量与安全可控。我们建立严格的资料审核和ERP系统预审机制，涵盖企业注册信息、经营范围、证照有效性等，做到“有证可查、证证相符”。在供应商变更和退出环节，公司要求提供合法有效的变更文件并通过多级审批流程，确保信息真实、手续完备，避免经营风险。

Supplier Evaluation 供应商评价

We uphold a rigorous supplier evaluation system and have established the *Supplier Evaluation and Re-evaluation Policy*, adhering to the principles of fairness, impartiality, and transparency. Comprehensive assessments are conducted across multiple dimensions, including qualifications, integrity, product quality, supply capacity, and price rationality.

The Procurement Department reviews the documentation and conducts sample testing for newly shortlisted suppliers, followed by quantitative scoring through the *New Supplier Evaluation Form*. Only those who pass are included in the *Approved Supplier List*. We continuously monitor supply quality, delivery timeliness, and after-sales service. Suppliers with identified issues are required to rectify them within a specified period. Those failing to improve are disqualified. At the end of each year, we conduct annual re-evaluations based on overall scores to ensure a stable and efficient supply chain.

我们坚持严格的供应商评价体系，制定《供应商评价与再评价》制度，以公平、公正、公开为原则，从资质、诚信、产品质量、供货能力到价格合理性等方面进行综合考量。采购部对新入选供应商进行资料审核、样品测试，并通过《新供应商评价表》量化打分，合格者方可纳入《合格供应商清单》。我们持续跟踪供货质量、交货及时性和售后服务，对出现问题的供应商要求限期整改，仍无改进的取消资格。每年年底，公司根据综合评分开展年度再评价，确保供应链稳定高效。

Supplier ESG Management 供应商 ESG 管理

We strictly enforce ESG requirements in supply chain management, requiring partners to sign a *Declaration Letter* committing to lawful, compliant, and sustainable operations. Suppliers must comply with regulations such as the *Anti-Money Laundering, Anti-Terrorism Financing and Proceeds of Unlawful Activities Act 2001* and the *Malaysian Anti-Corruption Commission Act 2009*, strictly prohibiting money laundering, corruption, and bribery, and ensuring the authenticity and validity of corporate information.

Additionally, suppliers are required to fulfill environmental, health, and safety responsibilities, implement control measures to reduce environmental impacts, and comply with occupational health and safety standards in production operations. Suppliers must also respect human rights,

prohibit forced labor and human trafficking, comply with fair competition and antitrust laws, and ensure the accuracy and completeness of recordkeeping.

Through these requirements, we drive suppliers to make comprehensive improvements in compliance, responsibility, and sustainability, thereby building a transparent and green supply chain system.

我们在供应链管理中严格落实ESG要求，要求合作方签署《声明函》，全面承诺合法合规与可持续经营。供应商须遵守《2001年反洗钱、反恐怖主义融资和非法活动收益法》《2009年反腐败委员会法》等法规，严禁洗钱、腐败和贿赂行为，确保企业信息真实有效。同时，供应商需履行环境、安全与健康责任，采取控制措施降低环境影响，并在生产作业中落实职业健康与安全规范。供应商还需尊重人权，禁止强迫劳动与人口贩运，遵守公平竞争与反垄断法律，确保账簿记录真实完整。通过这些要求，我们推动供应商在合规、责任和可持续领域全面提升，构建透明、绿色的供应链体系。



Supplier Site Visits and Exchanges
供应商参观交流

CARING FOR EMPLOYEE WELL-BEING AND DEVELOPMENT

关注员工福祉与发展

CONTRIBUTING TO THE SDGS
回应SDGS



Protecting Employee Rights 保障员工权益

Employees are the Company's most valuable asset and the core driving force for sustainable development. We place a high value on protecting employee rights and, through a variety of measures, strive to create a fair, just, and orderly working environment.

员工是企业最宝贵的财富，是推动企业持续发展的核心力量。我们高度重视保障员工权益，通过多方面的举措，为员工创造公平、公正、有序的工作环境。

Compliance and Equal Employment 合规平等雇佣

We strictly comply with the *The Malaysian Employment Act 1955* and continuously foster an equal and inclusive working environment. *The Employee Handbook* clearly stipulates employment details, working hours, and requirements for termination of employment.

We uphold the principle of equal employment and strictly prohibit all forms of discrimination based on race, color, religion, gender, or age. To ensure fairness and transparency in the recruitment process, we have established a comprehensive evaluation system that includes selection, interviews, skills tests, and written examinations. *The Employee Handbook* also explicitly states that workplace harassment is strictly prohibited, child labor is forbidden, and all forms of forced labor are banned, while ensuring employees' rights to rest days are fully protected.

我们严格遵守马来西亚《1955年雇佣法令》，持续构建平等包容的工作环境，通过《员工手册》明确规定雇佣细则、员工工作时间及劳动终止通知等各项管理要求。我们始终坚持平等就业原则，严禁基于种族、肤色、宗教、性别、年龄等任何因素的歧视行为。为确保招聘过程的公正透明，我们建立了包括选拔、面试、技能测试和笔试等环节在内的综合评估体系。《员工手册》明确规定：严格禁止工作场所骚扰行为；杜绝雇佣童工；严禁任何形式的强迫劳动，切实保障员工在休息日的休息权利。

Compensation and Benefits 薪酬与福利

We uphold a people-oriented management philosophy and are committed to building a comprehensive compensation and benefits system with market competitiveness. We believe that a well-structured compensation and benefits system is a key factor in attracting, motivating, and retaining outstanding talent.

我们秉持“以人为本”的管理理念，致力于构建具有市场竞争力的综合薪酬福利体系。我们相信，完善的薪酬福利体系是吸引、激励和保留优秀人才的关键要素。

Compensation Management 薪酬管理

We strictly comply with relevant Malaysian laws and regulations by withholding and contributing employees' provident fund, social security, unemployment insurance, and individual income tax. Our compensation system follows a performance-based approach, with performance bonuses issued together with monthly salaries. Each year, the Company conducts a systematic performance appraisal to comprehensively evaluate employees' performance in relation to salary adjustments, promotion opportunities, training needs, and development potential. Salary adjustments take into account both individual performance and the overall operating condition of the Company. In addition, we provide eligible employees with benefits such as shift allowances and meal subsidies.

我们严格遵循马来西亚相关法律规定，为员工代扣代缴公积金、社会保险、失业保险及个人所得税。我们的薪酬体系实行绩效导向原则，绩效奖励将连同每月工资一起发放。公司每年开展系统化的绩效考核，全面评估员工在薪酬调整、晋升机会、培训需求及发展潜力等方面的表现。

薪资调整将综合考虑员工个人绩效与公司整体经营状况。此外，我们为符合条件的员工提供倒班津贴、膳食津贴等福利待遇。

Leave Policy 假期政策

We place great importance on safeguarding employees' leave entitlements, ensuring that they enjoy appropriate leave benefits in accordance with laws, regulations, and the Company's policies. Our leave system includes basic leave such as public holidays, annual leave, and sick leave, while also providing special leave for special circumstances, including disaster leave, bereavement leave, marriage leave, maternity leave, and paternity leave. The number of leave days and implementation details are determined based on employees' length of service, the Company policies, and local legal requirements, effectively promoting work-life balance.

我们重视保障员工的休假权益，确保员工能够在符合法律法规和公司政策的基础上享有适当的假期待遇。我们的假期体系包括公众假期、年假、病假等基本假期，同时为特殊情形提供灾难假、丧假、婚假、产假和陪产假等支持性假期。假期天数及实施细则依据员工服务年限、公司规章制度及当地法律规定执行，切实促进员工工作与生活的平衡。

Public Holidays 公众假期	Employees are entitled to paid leave based on statutory holidays in the state of employment, including New Year, Chinese New Year, and others. 根据所在州的法定假期，员工享有带薪年假。
Annual Leave 年假	Employees are entitled to different numbers of paid annual leave days depending on their length of service. 根据员工服务年限不同，员工可享受有不同天数的带薪年假。
Sick Leave 病假	Employees are entitled to different numbers of paid sick leave days depending on their length of service. 根据员工服务年限不同，员工可享受有不同天数的带薪病假。
Disaster Leave 灾难假	In cases of disasters such as fire, flood, earthquake, or landslide, employees may take 2 days of paid disaster leave with the approval of their immediate supervisor. 在火灾、水灾、地震、土崩等灾难情况下经单位一级主管审批，员工可享受有2天带薪灾难假。
Bereavement Leave 丧假	Employees may take 3 days of paid bereavement leave. 有3天带薪丧假。
Marriage Leave 婚假	Confirmed employees (post-probation) may take 2 days of marriage leave for their first marriage. 通过试用期的正式员工初婚时，可享受2天婚假。
Maternity and Paternity Leave 产假与陪产假	Employees are entitled to statutory maternity and paternity leave benefits. 员工可享受法定产假，陪产假等福利。
Examination Leave 考试假	Employees may take up to 5 days of fully paid examination leave per academic year. 每个学年可享受有最多5天的全薪考试假。
Work Injury Leave 工伤假	Employees injured at work may apply for work injury leave. 员工因公受伤可申请工伤假。

Insurance Coverage 保险保障

We always place employee well-being as a top priority and have established a comprehensive insurance coverage scheme. Based on employees' job levels and role characteristics, we provide differentiated insurance plans, including life insurance, hospitalization and surgical insurance, and personal accident insurance, ensuring that employees receive protection aligned with their positions.

我们始终将员工福祉置于首位，为员工构建全面的保险保障方案。根据员工职级和岗位特性，我们提供差异化保险计划，包含人寿保险、住院及手术保险以及个人意外保险等组合方案，确保员工获得与岗位相匹配的保障。

Employee Housing 员工住宿

We attach great importance to safeguarding employees' living conditions. Currently, the Company operates nine dormitory buildings with a capacity of over 1,700 people, providing accommodation for Malaysian employees whose commuting distance exceeds 50 kilometers, with nearly 100 employees currently residing. To further improve living conditions, the Company plans to construct three to five new 16-story dormitory buildings in the housing area to accommodate more local employees, thereby enhancing their sense of well-being and belonging.

我们高度重视员工生活保障，现有宿舍9栋，可容纳1700余人，为通勤距离超过50公里的马来西亚籍本地员工提供住宿，目前入住员工近百人。为进一步改善员工居住条件，公司规划在宿舍区新建3至5栋16层宿舍楼，以满足更多本地员工的住宿需求，提升幸福感和归属感。



Occupational Health and Safety 职业健康与安全

The occupational health and safety of our employees has always been a key area of focus. We continuously optimize relevant management systems to ensure the effective implementation of measures. Through regular health examinations and safety training, we actively prevent occupational risks and safeguard the physical and mental well-being and safety of our employees.

员工的职业健康与安全始终是我们的重点关注领域。我们持续优化相关管理体系，确保措施有效落实。通过定期健康检查和安全培训，我们积极预防职业风险，切实保障员工的身心健康和安

HSE Policy HSE 政策

In 2024, we officially issued the *Health, Safety and Environment (HSE) Policy*, committing to full compliance with Malaysian laws and regulations as well as international occupational health and safety standards. Based on international frameworks such as *BS OHSAS 18001:2007*, the Company has established a company-wide HSE management system, with all operational activities governed by the *Safety Management Manual*.

To ensure effective system operation, the Company has established a dedicated HSE management team, staffed with HSE engineers and officers responsible for system development, implementation, and improvement, with regular reporting to management. Through induction training and team meetings, we ensure that all employees and subcontractors understand and comply with the HSE policy, striving to achieve the goal of zero accidents.

我们于2024年正式颁布《健康、安全和环境政策》，承诺全面遵守马来西亚法律法规及国际职业安全健康标准要求。基于BS OHSAS 18001:2007等国际标准框架，公司建立了覆盖全公司的HSE管理体系，并通过《安全管理手册》规范所有运营活动的安全管理流程。

为确保体系有效运行，公司组建了专业HSE管理团队，配置了HSE工程师及专员，负责体系的建立、实施与改进，并定期向管理层汇报。通过入职培训和班组会议等机制，确保全体员工及分包商人员理解并执行HSE政策，致力于实现“零事故”目标。



Health, Safety and Environment (HSE) Policy
《健康、安全和环境政策》



Work Safety 安全生产

We prioritize workplace safety, continuously optimizing the management system, strengthening risk control measures, and conducting ongoing training to minimize the occurrence of various safety incidents, thereby ensuring the safety of employees and the stable operation of production.

我们高度重视生产安全，不断优化管理体系，强化风险管控，持续开展培训，最大限度地防范和减少各类安全事故，确保员工生命安全和生产稳定运行。

Work Safety Management 生产安全管理

We continuously strengthen our work safety management system. In 2024, the Company optimized its organizational structure by establishing the Security Department, under which the Safety Management Office, Environmental Protection Office, and Security Office were set up. In addition, a dedicated Safety Office was added to the Rolling Mill Department, staffed with full-time safety management personnel. At the same time, part-time safety officers were assigned in the operational areas of each production unit, forming a comprehensive safety management network.

We continue to advance the development of safety management systems, revising the job safety responsibility system and the reward and penalty mechanism, and formulating a series of hazardous operation management procedures, such as the *Safety Management Measures for Earthworks* and the *Safety Management Measures for Lifting Operations*. To ensure effective implementation, we have established a normalized safety inspection mechanism, carrying out regular safety inspections and special hazard investigations to ensure compliance with all requirements.

In terms of fire safety management, we revised the *Procurement and Responsibility Guidelines for Firefighting Equipment*, requiring the plant's emergency response team and safety team to conduct routine inspections of firefighting equipment and promptly request replacements or repairs when damages are found. Firefighting facility installations are being advanced, with installations in the coking and ferroalloy areas completed and certified, while other areas are progressing as planned.

For operational safety, we prioritize mechanization and automation to replace high-risk manual tasks and standardize safety management requirements for material handling operations. We require managers at all levels to fully fulfill their supervisory responsibilities, continuously optimize workflows and process designs, and steadily enhance intrinsic safety levels.

我们持续强化安全生产管理体系。2024年，公司通过组织架构优化，成立了安保部，设立安全管理室、环保管理室及保卫室，并在轧钢部增设安全室，配备专职安全管理人员。同时，在各生产单位作业区设置兼职安全员，构建了完善的安全管理网络。

我们持续推进安全管理制度建设，修订了岗位安全生产责任制及奖惩制度，并制定了多项危险作业管理制度，如《动土作业安全管理办法》《吊装作业安全管理办法》等。为确保制度有效落实，我们建立了常态化的安全检查机制，通过定期安全检查和专项隐患排查，确保各项制度的执行。

在消防管理方面，我们修订了《消防器材采购与职责》，要求厂区应急响应组与安全组负责日常检查消防器材，发现损坏及时申请更换或维修。消防设施安装工作持续推进，目前已完成焦电及铁合金区域的安装并取得验收合格证，其他区域也在按计划推进。针对生产作业安全，我们优先采用机械化、自动化设备替代高风险人工作业，规范搬运作业的安全管理要求。

我们要求各级管理人员切实履行安全监管责任，持续优化作业流程和工艺设计，不断提升本质安全水平。



Case: Eastern Steel Carries Out Special Rectification of Major Work Safety Hazards

案例：东钢开展重大生产安全事故隐患专项整治

In 2024, the Company organized a special inspection and rectification program for workplace safety hazards in accordance with China's criteria for identifying major safety hazards in the metallurgical and hazardous chemical industries. For the safety hazards identified during this inspection, we attached great importance to the findings and have fully implemented corrective actions to ensure that all hazards are rectified.

2024年，公司依据中国冶金及危化行业重大安全事故隐患判定标准，组织开展生产现场安全隐患专项排查整治工作。针对本次专项检查识别出的安全事故隐患，我们高度重视排查结果，已全面落实整改措施，确保所有隐患整改到位。



Work Safety Performance 安全生产绩效

Indicator 指标	Unit 单位	2024 (2024.1.1– 2024.12.31)	2025 (2025.1.1– 2025.6.30)
Recordable Work Injuries 可记录工伤数	Case(s) 件	8	4
Work Injury Fatalities 工伤死亡事件数	Case(s) 件	1	0
Serious Work Injuries (Excluding Deaths) 严重工伤数（不包含死亡）	Case(s) 件	0	0
Work Injury Days Lost 因工伤损失工作天数	Day(s) 天	364	8

◆ Safety Risk Control 安全风险控制

To effectively identify and control safety risks, we require multiple departments (including the Power Department, Steelmaking Department, and Rolling Mill Department) to conduct comprehensive risk assessments of operational activities. Each department must record details in the *Hazard Identification, Risk Assessment and Control Form*, including: task description, potential hazard types, risk level, possible accident consequences, existing control measures, responsible person, and completion date of risk control measures. Through systematic risk assessment and control, potential risks are promptly identified and effectively managed, thereby reducing the occurrence of safety incidents.

为了有效识别和控制安全风险，我们要求多个部门（包括动力部、炼钢部、轧钢部等）对作业活动进行全面的风险评估。各部门需在《危险识别风险评估控制表》内详细记录：作业内容、潜在危险类型、风险等级、可能造成的事故后果、现有控制措施、负责人以及风险控制措施的完成日期。通过系统化的风险评估与控制，潜在风险得到及时识别和有效管理，减少安全事故的发生。

◆ Work Accident Handling 生产事故处置

We have formulated the *Work Safety Accident Management Measures* to ensure that responsibilities are clearly defined and management procedures are standardized, enabling orderly execution of accident identification, treatment, investigation, and handling. The Security Department is responsible for accident investigation and emergency response. The Human Resources and Administration Department leads work injury identification and follow-up handling. The External Relations Department coordinates medical rescue and government communication. All accidents are investigated and analyzed in accordance with standard procedures, with complete *Accident Investigation Reports* issued.

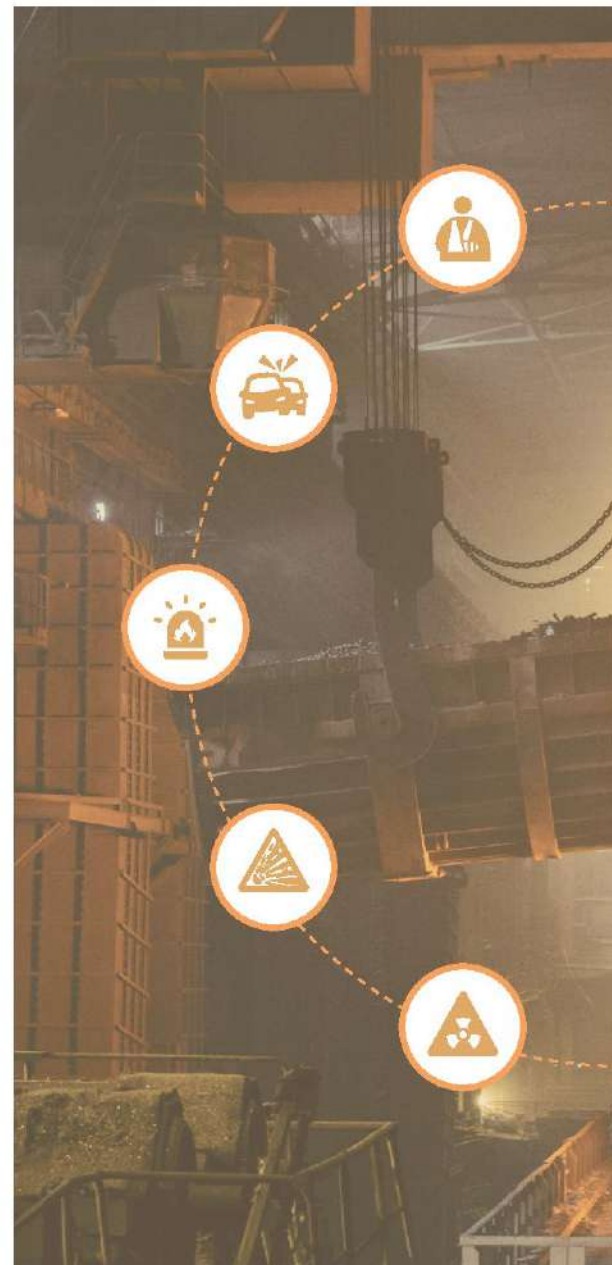
The management measures categorize safety accidents into work injuries, traffic accidents, fires, explosions, and radiation incidents, and implement graded management based on severity. Each accident level has specific reporting deadlines and handling procedures, with clear operational requirements from on-site emergency response to corrective actions. In addition, an accountability mechanism has been established to impose graded penalties on responsible individuals and units. The entire accident handling process adheres to the principle of closed-loop management, ensuring that corrective measures are implemented, relevant records are fully preserved, and continuous improvement in safety management is supported.

我们制定了《生产安全事故管理办法》，通过明确责任划分和规范管理流程，确保安全事故的认定、救治、调查和处理工作有序开展。安保部负责事故调查与应急响应，人事行政部主导工伤认定与善后处理，外联部协调医疗救援与政府沟通。所有事故按标准程序调查分析，并形成完整的《事故调查报告书》。

管理办法将安全事故细分为工伤事故、交通事故、火灾事故、爆炸事故和辐射事故等，并根据事故严重程度实施分级管理。每个事故等级设定了不同的上报时限和处理程序，从现场应急响应到整改落实，均有明确操作规范。同时，我们建立了责任追究机制，对相关责任人和单位实施分级处罚。所有事故处理过程坚持闭环管理原则，确保整改措施落实，相关档案资料完整保存，为安全管理持续改进提供依据。



Accident Reporting Procedure
事故报告流程



◆ Emergency Management 应急管理

We attach great importance to emergency management and have developed multiple emergency response plans, including the *General Contingency Plan for Emergencies*, the *Comprehensive Emergency Plan for Work Safety Accidents*, and the *Emergency Plan for Fire Accidents in Crowded Places*. To ensure rapid and effective responses in the event of emergencies, we regularly organize various emergency drills. These drills serve to test and improve the Company's emergency response mechanisms, while enhancing employees' emergency handling capabilities and safety awareness.

我们高度重视应急管理工作，制定《突发事件总体应急预案》《生产安全事故综合应急预案》《人员密集场所火灾事故应急预案》等多个应急预案。为确保在突发事件发生时能够迅速有效地应对，我们定期组织开展各类应急演练。通过应急演练检验和完善公司应急响应机制，提升员工的应急处置能力和安全意识。



Case: Eastern Steel Conducts Emergency Response Drill on Converter Gas Holder Electrostatic Precipitator Fire and Poisoning

案例：东钢进行转炉煤气柜电除尘着火、中毒演练

To test the effectiveness of the Company's emergency response mechanisms, verify the feasibility of existing emergency plans, and continuously enhance overall emergency management, we organized an emergency drill simulating a fire and poisoning incident at a 50,000m³ converter gas holder electrostatic precipitator.

By simulating an electrostatic precipitator deflagration accident scenario, the exercise focused on testing key capabilities such as fire control and personnel rescue. The entire drill was conducted with professional safety equipment to ensure standardized operations and controlled safety.

This drill effectively strengthened employees' emergency response skills and safety awareness, providing an important reference for the continuous optimization of the Company's safety management system.

为检验公司应急响应机制的有效性，验证现有应急预案的可行性，持续提升整体应急管理水平，我们组织实施了5万m³转炉煤气柜电除尘着火及中毒应急演练。

本次演练通过模拟电除尘爆燃事故场景，重点测试了火情控制、人员救护等关键环节的处置能力。演练全程配备专业安全装备，确保操作规范及过程安全可控。此次演练有效强化了员工的应急响应技能与安全意识，为安全管理体系的持续优化提供了重要参考依据。



◆ Safety Training 安全培训

We continuously improve our safety training system, with a particular focus on new employees, special operations personnel, and staff in critical positions, while also bringing subcontractors under unified management. The *Safety Training Management Guidelines* require all new employees to complete a mandatory four-level safety training program, with a minimum of 72 hours, covering laws and regulations, risk control, and emergency response. Training plans and materials are updated annually, and special training sessions are promptly organized in cases of new processes, new technologies, or accidents.

A strict assessment mechanism has been established to ensure training effectiveness, with results linked to both individual and team performance. During the reporting period, we conducted a total of 112 safety training sessions in 2024 and 36 sessions in the first half of 2025, achieving a 100% training coverage rate. By continuously optimizing the training system, we enhance employees' safety awareness and safeguard the sustainable development of the Company.

我们持续完善安全培训体系，重点针对新员工、特种作业人员和关键岗位人员开展安全教育培训，并将外协单位纳入统一管理。编制《安全教育培训管理办法》，要求所有新员工完成必要的四级安全培训，总学时不少于72小时，涵盖法律法规、风险管控及应急处置等内容；每年更新培训计划和教材，对于采用新工艺、新技术或发生事故的情况，及时组织专项培训；建立严格的考核机制，确保培训效果，并将考核结果与个人及团队绩效挂钩。报告期内，我们一共开展了112次（2024年）及36次（2025年上半年）安全培训，安全培训覆盖率均为100%。通过持续优化培训体系，不断提升员工安全素养，保障企业可持续发展。



Case: Safety Month Activities

案例：安全月活动

During the 2024 Safety Month campaign, the Company organized a series of safety management and training activities, including fire safety training for new employees, hazard inspections, and a Safety Production Awareness Day, further strengthening employees' overall safety awareness and sense of responsibility.

To enhance emergency response capabilities, the Company held a safety equipment operation skills competition. In addition, through violation checks, hazard inspections, and a reward-and-penalty mechanism, we promoted the effective implementation of safety measures. We also introduced innovative training assessment methods to ensure that all employees met safety knowledge requirements, while continuously optimizing plant safety facilities and emergency evacuation layouts.

在2024年安全生产月活动期间，公司组织了多项安全管理和培训活动，包括新员工消防安全培训、隐患排查、安全生产宣传日等，进一步强化了全员安全意识和责任感。针对应急处置能力的培训，公司举办了安全装备操作技能竞赛，并通过违章检查、隐患排查以及奖惩机制，推动了安全措施的有效落实。我们还创新了培训考核方式，确保所有员工的安全知识达标，并持续优化厂区安全设施和应急疏散布局。



Case: Self-Contained Breathing Apparatus (SCBA) Competition

案例：空气呼吸器比武活动

In June 2025, we organized a Self-Contained Breathing Apparatus (SCBA) competition. The event featured both Chinese and Malaysian teams and covered operations such as inspection, wearing, and adjustment of the SCBA. During the competition, the Chinese team demonstrated solid fundamental skills, while the Malaysian team showcased quick reactions and steady execution.

This activity effectively tested employees' operational proficiency and strengthened collaboration and exchange between Chinese and Malaysian employees. The Company will continue to promote safety education and skills training, reinforcing intrinsic safety foundations and supporting high-quality development.

2025年6月，我们组织了空气呼吸器比武活动。此次活动由中方队和马方队组成，涵盖了空气呼吸器的检查、佩戴、调试等操作。比赛中，中方队伍表现出扎实的基本功，马方队伍则展现了快速的反应和沉稳的执行力。此次活动有效检验了员工的操作水平，并增进了中马员工的协作与交流。公司将继续推动安全教育与技能培训，夯实本质安全基础，助力企业高质量发展。



Fire Extinguisher Training for New Employees
新员工灭火器使用培训

Occupational Health 职业健康

We have established an occupational health and safety management system in accordance with ISO 45001 and, in line with requirements from relevant Malaysian authorities, conducts regular occupational health examinations for employees, with a focus on monitoring health conditions related to chemical exposure and noise environments. If medical examinations reveal abnormalities or toxic reactions, employees are reassigned from their original positions to roles not involving relevant chemicals, based on the recommendations of the medical team, to ensure their health is protected.

For employees in high-noise exposure positions such as steelmaking operators, blower operators, oxygen plant operators, and loaders, we provide DOSH-certified hearing protection devices, including earplugs and earmuffs. The 2024 occupational health examinations were conducted by a professional medical institution, with follow-up examinations arranged for employees with abnormal results to ensure effective implementation of health management. During the reporting period, no incidents occurred in which the Company was penalized for violations of occupational health and safety laws or regulations.

我们遵循ISO45001建立了职业健康安全管理体系，并按照马来西亚相关部门的职业健康管理要求，定期开展员工职业健康体检，重点监测员工在化学品暴露和噪声环境下的健康状况。若体检发现员工有异常或毒性反应等情况，我们将根据体检医疗团队的建议，将员工调离原岗位，安排至不涉及相关化学品的岗位，以确保员工的健康得到保护。对于炼钢操作员、鼓风机操作员、氧厂操作员和装料工等高噪声暴露岗位的员工，我们为其提供 DOSH认证的耳塞/耳罩等听力保护措施。2024年度的职业健康体检已委托专业医疗机构执行，并为体检异常者安排复检，以确保健康管理工作的有效落实。报告期内，我们未发生因违反职业健康与安全法律法规而受到处罚的事件。



Occupational Health and Safety Management System Certification
职业健康安全管理体系认证



Career Development 职业发展

We value the growth and development of our employees by providing fair promotion opportunities and systematic training. Through comprehensive development programs, we help employees enhance their professional capabilities, achieving mutual progress for both individuals and the Company.

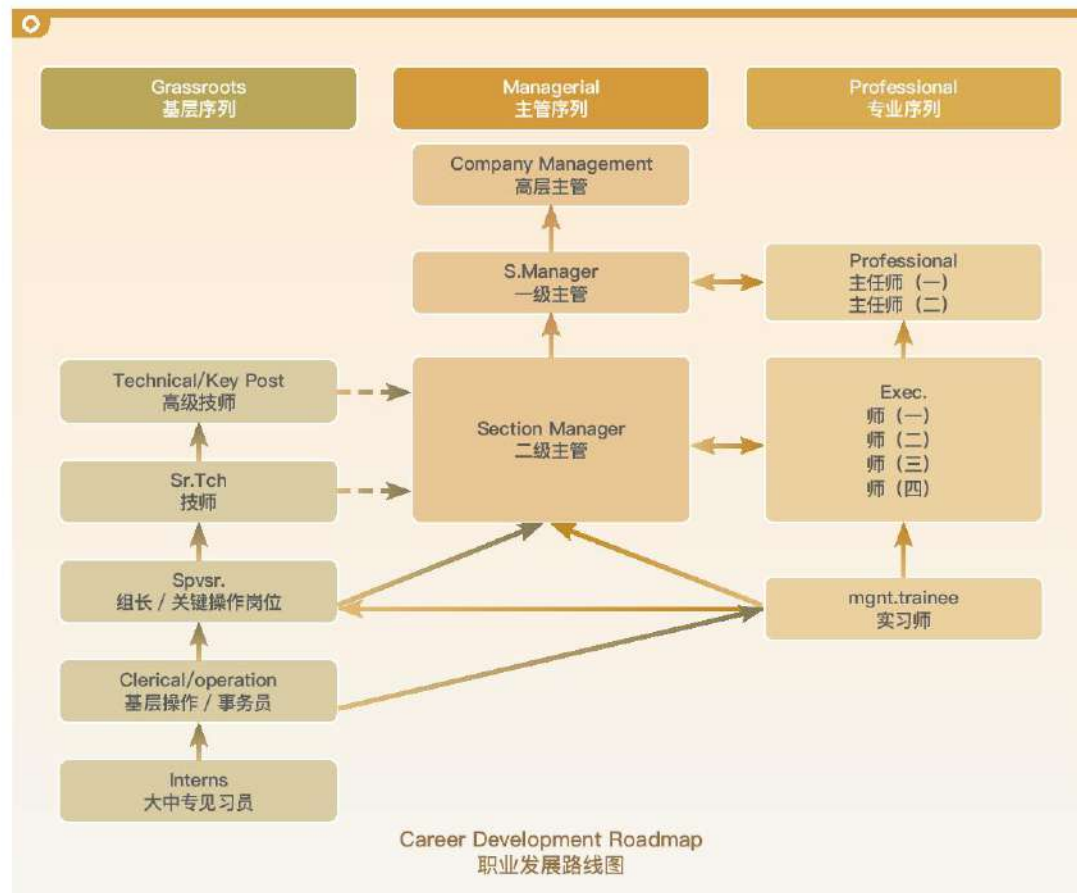
我们重视员工成长与发展，为员工提供公平的晋升机会和系统的培训。我们通过多元化的培养方式，帮助员工提升专业能力，实现个人与企业的共同进步。

Promotion Mechanism 晋升机制

We place great importance on employees' career growth and development, and have established a comprehensive career development system consisting of three tracks: entry-level, supervisory, and professional. Employees in the entry-level and professional tracks may be promoted either through open competition or unit recommendation. Within the supervisory track, promotions to secondary supervisor positions are based on unit nominations, while promotions to primary supervisor positions require review and approval by the leadership team of Eastern Steel.

When vacancies arise or new positions are created, qualified internal employees are given priority for promotion opportunities. Promotion assessments comprehensively consider employees' work performance, professional competence, and job suitability, with final results formally communicated through formal written notification. We believe that this systematic talent development mechanism effectively stimulates employee potential and achieves mutual growth for both individuals and the Company.

我们重视员工的职业成长与发展，建立了完善的职业发展体系。该体系由基层序列、主管序列、专业序列组成。基层和专业序列的员工可通过竞聘和单位推荐两种方式晋升。在主管序列中，二级主管的晋升由单位提名，一级主管的晋升则需要通过东钢公司领导班子审议。在岗位出现空缺或新增职位时，符合资格的内部员工将获得优先晋升机会。晋升评估将综合考量员工的工作绩效、专业能力、岗位适配性，最终结果将以公司正式书面通知为准。我们相信，通过系统化的人才发展机制，能够有效激发员工潜力，实现个人与企业的双赢发展。



Talent Development 人才培养

We place emphasis on building a strong talent pipeline by combining partnerships with universities and internal training to systematically develop talent at all levels. From students to on-the-job employees, we provide targeted development programs, ensuring a continuous supply of qualified professionals who meet the Company's operational needs.

我们注重人才梯队建设，通过与高校合作和内部培养相结合的方式，系统培养各层级人才。从在校生到在职员工，我们提供针对性的培养计划，为集团持续输送符合岗位要求的专业人才。

University-Enterprise Cooperation 校企合作

We believe talent development is key to the Company's core competitiveness. Through partnerships with universities, we have established internship bases that offer students hands-on experience and help bridge theory with practice, while identifying and nurturing potential talents for future growth. We have also launched a Service Scholarship Program that provides full tuition support for qualified students, who are required to work at Eastern Steel for at least three years after graduation, ensuring both educational assistance for students and a stable talent reserve for us.

我们认为人才培养是企业核心竞争力的关键。通过与高校合作建立实习基地，为学生提供实践机会，促进理论与实践结合，同时发掘并培养潜在人才，为未来发展蓄力。我们还设立服务奖学金计划，为符合条件的学子提供全额学费资助，毕业后需在东钢服务至少三年，实现助育才与人才储备的双赢。



Case: Launch of the First Cohort of the University-Enterprise Joint Talent Development Program 案例：第一期校企联合人才培养项目启动

In July 2024, the opening ceremony of the first Malaysia-China (University-Enterprise Joint) Talent Development Program was held at Tunku Abdul Rahman University of Management and Technology (TAR UMT) in Kuala Lumpur. Jointly promoted by Eastern Steel, the University of Science and Technology Beijing, and TAR UMT, the program integrates theory with practice to cultivate metallurgical engineering professionals. Following the international talent development plan, we visited schools across East and West Malaysia, signed cooperation memoranda, and selected 13 outstanding students as tailored trainees.

2024年7月，马来西亚-中国（校企联合）人才培养项目第一期开班典礼在吉隆坡拉曼理工大学举行。该项目由东钢、北京科技大学和拉曼理工大学联合推动，融合理论与实践，培养冶金工程专业人才。根据国际人才培养规划，我们走访了东马和西马多所中学，签署合作备忘录，最终遴选出13名优秀学子作为定培生。



Vocational Training 职业培训

We have built a comprehensive vocational training system divided into pre-job and on-the-job stages, covering three categories: basic, skills enhancement, and system management training. Basic training includes safety procedures, job duties, and emergency plans;

skills enhancement focuses on technical capabilities such as iron ore sampling and preparation; and system management covers safety responsibilities, violation management, and reward-and-penalty systems.

To ensure quality, we established a strict evaluation mechanism through on-site questioning, attendance checks, and exams. Monthly training plans are formulated, and completion rates are tracked. Departments must explain delays and make timely adjustments to ensure effective implementation.

In 2024, we conducted 1,019 training sessions with 95% coverage and an average of 2 hours per employee. By June 30, 2025, 517 sessions had been completed, with coverage rising to 97%.

我们建立了系统化的职业培训体系，分为岗前与岗中两阶段，涵盖基础培训、技能提升培训和体系管理培训三类。基础培训包括安全操作、岗位职责及应急预案；技能培训聚焦专业技术，如铁精粉取制样方法；体系管理培训涵盖安全责任、违章治理及奖惩制度。为确保质量，我们设立严格的考核机制，通过现场提问、签到核查和考试等方式评估效果。每月制定培训计划并跟踪兑现率，未按期完成的部门须及时说明并调整，确保落实。

2024年共开展培训1,019次，覆盖率达95%，人均受训2小时；截至2025年6月30日，已完成517次培训，覆盖率提升至97%。



New Employee Orientation Training
新员工入职培训

Employee Care 员工关怀

We enhance employees' sense of well-being and belonging through a variety of care initiatives. By providing regular benefits, festival greetings, diverse cultural activities, and facility improvements, we continuously foster a warm and harmonious working environment, promoting joint growth between employees and the Company as we move together toward a better future.

我们通过多样化的关怀举措提升员工的幸福感和归属感。通过定期的福利发放、节日慰问、丰富的文化活动及设施优化，我们不断营造温馨和谐的工作环境，推动员工与公司共同成长，携手迈向更美好的未来。



Case: Women's Day Event

案例：“三八”妇女节趣味活动

We organized the Women's Day event, aiming to enrich the cultural life of female employees and care for their physical and mental health. The activity included fun games such as blowing ping-pong balls and musical chairs, attracting the participation of female employees of different age groups.

我们举办了“花样宠你·美有道理”国际妇女节趣味活动，旨在丰富女员工的文化生活并关爱她们的身心健康。活动设置了吹乒乓球、抢凳子等趣味游戏，吸引了不同年龄段的女员工参与。



Case: Eastern Steel Grants Enrollment Awards to Employees' Children Admitted to University

案例：东钢为考上大学的员工子女发放升学贺金

On September 19, we held the 2024 Enrollment Award Ceremony for employees' children who achieved outstanding results in the national college entrance examination. As a benefit program reflecting the Company's care for employees and their families, the Enrollment Award is designed to encourage employees to value their children's education. Since its launch in 2021, the program has been implemented for four consecutive years.

9月19日，我们举行了2024年员工子女升学贺金发放活动，表彰高考成绩优异的员工子女。升学贺金作为公司关爱员工及其子女的一项福利，旨在激励员工重视子女教育。自2021年设立以来，该项目已连续发放四年。



Case: Establishment of a Halal Food Center

案例：开设清真美食中心

In October 2024, considering the dietary needs of Malaysian employees, the Company opened a Halal Food Center covering 800 square meters, offering well-known and healthy local cuisine. Since its opening, employees have expressed appreciation for the warm and clean environment, high food quality, and affordable prices, noting that it makes them feel at home. The Company has always respected employee diversity and will continue to uphold its commitment to employee care by introducing additional supportive initiatives in the future.

考虑到马来西亚籍员工的饮食需求，公司于2024年10月开设了清真美食中心。该中心面积800平方米，提供知名且健康的当地美食。开业后，员工纷纷表示这里环境温馨、卫生、食品质量高且价格实惠，感受到了家的温暖。公司始终尊重员工的多样性，未来也会持续秉持对员工的关怀理念，不断增加支持性举措。



BEING A TRUSTED PARTNER IN SOCIETY

做社会值得信赖的伙伴

CONTRIBUTING TO THE SDGS
回应SDGS

1 NO
POVERTY



2 ZERO
HUNGER



3 GOOD HEALTH
AND WELL-BEING



Promoting Community Development 促进社区发展

We actively integrate into the development of the communities where we operate, focusing on building long-term and stable partnerships with all stakeholders. Through festive greetings, cultural care, and public welfare support, we deepen our interactions with public institutions and residents. While respecting cultural diversity, we promote mutual trust and harmonious coexistence within the community, demonstrating the Company's responsibility and humanistic care.

我们积极融入所在社区发展进程，注重与各方建立长期、稳定的合作关系；通过节日慰问、文化关怀与公益支持，深化与公共机构及居民的互动交流；在尊重多元文化的同时，推动社区互信与和谐共生，彰显企业的责任担当与人文关怀。

Strengthening Community Relations 巩固社区关系

We value maintaining close connections with various community stakeholders and continuously reinforce our cooperation with local institutions. During the Lunar New Year, we presented mandarin oranges to government agencies as festive greetings. To help ease the operational pressures of the Kemaman District Police, we provided financial support. In addition, we offered funding assistance for a fellowship event between the Kemaman District Police Special Task Force and members of the Al-Hidayah Mosque Committee.

我们重视与社区各界保持紧密联系，持续强化与当地机构的合作关系。在农历新年期间，我们向政府机构赠送新年柑橘。为缓解甘马挽县警察局的运营压力，我们提供了资金支持。我们还为甘马警区特别行动组与 Al-Hidayah清真寺委员会成员之间的联谊活动提供了活动基金支持。



Case: Distribution of Mandarins During Lunar New Year

案例：农历新年赠柑橘

For two consecutive years during the Lunar New Year, we distributed mandarins to institutions such as banks, the Kemaman Municipal Council, the Ministry of Health Malaysia, the Fire and Rescue Department, and Tenaga Nasional Berhad (TNB). This initiative not only conveyed traditional festive blessings but also fostered positive interactions with local public service institutions.

我们连续两年在新年期间向银行机构、甘马挽市议会、马来西亚卫生部、消防局、国家能源公司（TNB）等单位赠送柑橘，在传递传统新年祝福的同时，促进与当地公共服务机构的良好互动。



Respect for Diverse Cultures 尊重多元文化

We uphold the principle of cultural inclusiveness by organizing festive care activities during Ramadan and Hari Raya, conveying our understanding and support for multicultural values.

我们秉持文化包容的理念，在斋月及开斋节期间开展节日关怀活动，传递对多元文化的理解与支持。



Case: Hari Raya Activities

案例：开斋节活动

In March 2024, we participated in the Hari Raya celebration at the Masjid Kg Bukit Anak Dara, donating 100 packages of essential supplies (including rice, flour, oil, and other necessities) worth approximately RM7,000 to mosque congregants, underprivileged groups, and local villagers. In April of the same year, we also distributed festive pastries to various government agencies to celebrate Hari Raya. During Hari Raya in 2025, we continued our efforts by donating supplies such as rice, flour, oil, and biscuits worth RM12,895 to underprivileged villagers, mosques, and government agencies. These initiatives not only provided practical assistance to the local community but also demonstrated our respect for cultural traditions, effectively fostering harmony and development within the community.

2024年3月，我们参与基惹武吉安达达拉清真寺开斋节活动，向清真寺会众、贫困群体及村民赠送100份价值约7,000令吉的基本物资（包括米、面、油等生活必需品）。同年4月，我们向多个政府机构赠送节日糕点以庆祝开斋节。

2025年开斋节我们继续向贫困村民、清真寺及政府机构赠送了价值12,895令吉的米、面、油和饼干等物资。这些活动不仅为当地社区提供了实际帮助，更展现了我们对当地社区文化传统的尊重，有效促进社区的和谐与发展。



Public Welfare and Charity 公益慈善

We firmly believe that the growth of a company cannot be separated from the support of society, and giving back to society is both a responsibility and an obligation of enterprises. We will continue to uphold this principle, actively engaging in more social welfare projects, advancing together with the community, and jointly creating a better future.

我们深知，企业的成长离不开社会的支持，而回馈社会亦是企业应尽的责任和义务。我们将继续践行这一理念，积极投身更多社会公益项目，与社区共同发展，共同创造更加美好的未来。

Public Welfare Assistance 开展公益援助

We actively participate in social assistance activities, caring for vulnerable groups and providing practical support and warmth to those in need.

我们积极参与社会援助活动，关爱弱势群体，为需要帮助的人提供实际支持与温暖。



Case: Donation of Relief Supplies to Flood-Affected Villages in Terengganu 案例：为登嘉楼水灾受灾村落捐赠生活物资

In early 2025, Chukai, in Terengganu, Malaysia suffered severe flooding, causing great hardship for local residents. The Company responded swiftly by donating relief packages worth over RM70,000, including cooking oil, towels, and daily necessities. These supplies were distributed to affected families, providing timely support to the disaster-stricken community.

2025年初，马来西亚登嘉楼州朱盖地区遭遇严重水灾，给当地居民的生活带来了极大困难。公司迅速响应，向受灾村落捐赠总价值超过7万马币的生活物资礼包，包括食用油、毛巾及生活必需品，物资通过甘马挽县署发展局分发给受灾家庭。



Case: Hari Raya Haji Donation Activity 案例：哈芝节捐赠活动

We continue to pay close attention to community needs and support local residents in improving their livelihoods. During the Hari Raya Haji in 2024, we donated eight cows with a total value of RM55,000 to nearby village mosques, government agencies, and underprivileged villagers. In 2025, we carried out the donation activity again, contributing seven cows with a total value of RM52,700.

我们持续关注社区需求，支持当地居民改善生活。在2024年哈芝节期间，我们向周边村落清真寺、政府机构及贫困村民捐赠了8头牛，总价值55,000 令吉。2025年哈芝节期间，我们再次开展捐赠活动，捐赠7头牛，总价值52,700令吉。



Promoting Social Well-being 促进社会福祉

We are committed to promoting social well-being through philanthropic actions, particularly in the fields of education and health.

In education support, we sponsored the closing ceremony of the SK Binjai National School Sports Day and Madani Fun Sports Day, provided support for a bowling competition involving teachers and students from 16 schools in Terengganu. Additionally, we covered transportation costs for

44 students from SMJK Kwang Hua to participate in a three-day flagship camp under the 2025 uniformed group program.

我们致力于通过公益行动促进社会福祉。在教育和健康领域，我们开展了一系列支持活动。

在教育支持方面，我们资助了SK Binjai国民学校运动会暨Madani趣味运动会闭幕典礼；为登嘉楼州16所学校的师生保龄球比赛提供支持；为光华国民中学 2025年制服团体旗舰露营计划的44名学生承担了参加为期三天的露营活动的交通费用。



Case: Sponsorship of School Sports Day Closing Ceremony 案例：赞助学校运动会闭幕典礼

In 2024, we were invited as the guest of honor at the SK Binjai National School's annual Sports Day and Madani Fun Sports Day closing ceremony. To support this event, the Company made a financial donation, demonstrating our tangible commitment to education and student development.

2024年，我们受邀成为SK Binjai国民学校年度运动会暨Madani趣味运动会闭幕式的主宾。为支持这一活动，公司捐赠了资金，以实际行动支持教育事业和学生发展。



We continue to focus on the development of healthcare by donating materials to support medical institutions in improving their facilities, thereby creating a better environment for both healthcare workers and patients.

我们持续关注健康事业发展，通过物资捐赠支持医疗机构改善设施，为医务人员和患者创造更好的环境。



Case: Donation of Furniture to Kemaman Hospital
案例：向甘马挽医院捐赠家具

On May 7, 2024, we donated a batch of furniture worth RM 12,080 to Kemaman Hospital to improve the environment of the doctors' on-call rest room, enhancing the working experience of medical staff.

2024年5月7日，我们向甘马挽医院捐赠了一批价值12,080令吉的家具，用于改善医生值班休息室环境，提升医务人员的工作体验。



Case: Donation of Televisions to Clinics under
Kemaman District Health Office
案例：向甘马挽县卫生局下属诊所捐赠电视机

On May 30, 2024, we donated 12 units of 50-inch smart televisions, with a total value of RM 25,080, to the Kemaman District Health Office. These televisions were distributed to 12 government clinics in the Kemaman area to enhance the service environment of the clinics.

2024年5月30日，我们向甘马挽卫生局捐赠了12台50英寸智能电视机，总价值25,080令吉。这些电视机已分配至甘马挽地区的12所政府诊所，旨在提升诊所的服务环境。



From January 1, 2024 to June 30, 2025,
ESSB's Charitable Donations reached

2024年1月1日至2025年6月30日，东钢
慈善捐赠金额达

488,700 MYR

Supporting Environmental Public Welfare 助力环保公益

We remain committed to protecting the natural environment. By organizing public welfare and environmental activities, we aim to raise environmental awareness among community residents and encourage collective participation in protecting nature, thereby contributing to a greener planet.

我们始终关注自然环境的保护。我们举办公益环保活动，增强社区居民的环保意识，鼓励大家共同参与到保护自然环境的行动中，为建设更绿色的地球贡献力量。



Case: Clean the Beach Environmental Campaign
案例：“清洁海滩”环保活动

On July 25, 2024, we organized a Clean the Beach environmental campaign at Kalong Bay Beach. The event attracted over 200 volunteers, including company employees and management, state assembly members, and local community representatives. Through the collective efforts of the volunteers, the beach environment was significantly improved. In addition, to further support community development, we donated two gazebos for residents' use and leisure.

2024年7月25日，我们在德洛嘉隆海滩举办了“清洁海滩”环保活动。活动吸引了200多名志愿者参与，包括公司员工及管理层、州议员和当地社区代表。经过志愿者们的共同努力，海滩环境得到显著改善。此外，为支持社区建设，公司还捐赠了两座供居民休憩的凉亭。



APPENDIX

附录

Key Performance Indicators 关键绩效

Indicator (指标)	Unit (单位)	2024 (2024.1.1–2024.12.31)	2025 (2025.1.1–2025.6.30)	Indicator (指标)	Unit (单位)	2024 (2024.1.1–2024.12.31)	2025 (2025.1.1–2025.6.30)
Revenue 收入	MYR 林吉特	6,138,446,000	2,576,661,000	Coking Coal 焦煤	MT 吨	537,073.26	161,201.12
Production Volume (Steel) 产量 (钢)	Tons 吨	2,361,944.29	1,276,323.50	Anthracite Coal 无烟煤	MT 吨	41,332.89	64,725.70
Total GHG Emission 温室气体总排放量	Tons CO ₂ e 吨二氧化碳当量	6,323,215.62	3,241,581.03	Pulverized Coal 喷吹煤	MT 吨	672,069.74	348,658.63
Scope 1 GHG Emission 范围一温室气体排放量	Tons CO ₂ e 吨二氧化碳当量	5,161,758.96	2,670,002.03	Gas Coal 气煤	MT 吨	35,675.40	29,939.87
Scope 2 GHG Emission 范围二温室气体排放量	Tons CO ₂ e 吨二氧化碳当量	36,566.52	5,799.62	Coke 焦炭	MT 吨	359,783.73	158,128.29
Scope 3 GHG Emission 范围三温室气体排放量	Tons CO ₂ e 吨二氧化碳当量	1,124,890.14	565,779.38	Other Coal 其他煤	MT 吨	87,522.27	144,737.06
GHG Emission Intensity 温室气体排放强度	Tons CO ₂ e / Ton of Steel 吨二氧化碳当量 / 吨钢	2.20	2.10	Purchased Electricity 外购电力	kWh 千瓦时	47,243,568.00	7,493,050.00
Total Energy Consumption 能源消耗总量	GJ 吉焦	48,491,111.49	25,307,553.65	Coke Powder 焦粉	MT 吨	79,324.43	39,324.39
Total Energy Intensity 企业总能耗强度	GJ / Ton of Steel 吉焦 / 吨钢	20.53	19.83	Coke nut 焦丁	MT 吨	63,248.59	46,528.88

Note: The calculation of greenhouse gas emission intensity covers the statistical results of greenhouse gas emissions from Scope 1 and Scope 2.

注：温室气体排放强度计算涵盖范围一、范围二的温室气体排放统计结果。

Indicator (指标)	Unit (单位)	2024 (2024.1.1–2024.12.31)	2025 (2025.1.1–2025.6.30)
LPG 液化石油气	MT 吨	486.22	238.06
Clean Energy Consumption 清洁能源使用量	MWH 兆瓦时	1,121,041.89	602,942.12
Water Consumption 耗水量	Cubic Meter 立方米	5,941,038.00	3,433,479.00
Water Intensity 耗水强度	Cubic Meter / Ton of Steel 立方米 / 吨钢	2.52	2.69
Recycled Water Consumption 循环用水量	Cubic Meter 立方米	5,098,562.40	3,175,484.00
Total Hazardous Waste 危险废弃物总量	Tons 吨	38.95	21.83
Hazardous Waste Compliance Disposal Rate 危险废弃物合规处置率	%	100	100
Major Environmental Incidents 重大环保事故	Time(s) 次	0	0
Environmental Training 环保培训次数	Time(s) 次	8	5
Environmental Training Participants 环保培训人次	Person-time(s) 人次	18	15
Fines for Violating Environmental Laws 因违反环境保护法律法规 而受到的罚款总额	MYR 林吉特	0	8000

Indicator (指标)	Unit (单位)	2024 (2024.1.1–2024.12.31)	2025 (2025.1.1–2025.6.30)
Number of Environmental Violations 因违反环境保护法律法规 而受到处罚的事件数	Time(s) 次	0	1
Total Number of Employees, of which: 员工总数, 其中	Person 人	3,292	3,660
Male Employees 男性员工数	Person 人	3,164	3,524
Female Employees 女性员工数	Person 人	128	136
Malaysian Employees 马来西亚籍员工数	Person 人	1,531	1,933
Foreign Employees 外籍员工数	Person 人	1,761	1,727
Employees with Disabilities 残疾员工数	Person 人	0	0
Employees under 30 Years Old 30 岁以下员工数	Person 人	924	1,148
Employees Aged 30–50 30–50 岁员工数	Person 人	2,111	2,221
Employees over 50 Years Old 50 岁以上员工数	Person 人	257	291
Training for Employees 员工培训次数	Time(s) 次	1,019	517

Indicator (指标)	Unit (单位)	2024 (2024.1.1–2024.12.31)	2025 (2025.1.1–2025.6.30)
Employee Training Coverage Rate 员工培训覆盖率	%	95	97
Average Training Hours per Employee 员工平均受训时数	Hours 小时	2.00	1.50
Employee Turnover Rate 员工流失率	%	18	10
Total Recordable Work Injuries 总可记录工伤数	Case(s) 件	8	4
Work Injury Fatalities 工伤死亡事件数	Case(s) 件	1	0
Serious Work Injuries (Excluding Deaths) (严重工伤数 (不含死亡))	Case(s) 件	0	0
Work Injury Days Lost 因工伤损失工作天数	Day(s) 天	364	88
Safety Training Sessions 安全培训次数	Time(s) 次	112	36
Safety Training Coverage Rate 安全培训覆盖率	%	100	100
Number of Violations of Occupational Health & Safety Laws 因违反职业健康与安全法律法规而受到的处罚的事件数	Case(s) 件	0	0

Indicator (指标)	Unit (单位)	2024 (2024.1.1–2024.12.31)	2025 (2025.1.1–2025.6.30)
Number of Major Product Safety and Quality Incidents 产品和服务相关的安全与质量重大责任事故数量	Case(s) 件	0	0
Product Quality Complaint Resolution Rate 产品质量投诉处理率	%	100%	100%
Total Product Quality Complaints 公司接到的产品质量投诉总数	Case(s) 件	71	39
Product Qualification Rate 产品合格率	%	99.997	Crude steel (钢坯) 99.998 Steel coil (卷板) 97.78
Complaint Resolution Rate 投诉解决率	%	100	100
Customer Satisfaction 客户满意度	%	87	86
Supplier ESG Audit Proportion 供应商 ESG 审核比例	%	100	100
Total Number of Suppliers 供应商总数量	Companies 个	185	138
Malaysian Suppliers 马来西亚供应商数量	Companies 个	153	110
Overseas Suppliers 海外供应商数量	Companies 个	32	28
Charitable Donations 慈善捐赠金额	MYR 林吉特	240,000	248,700

Indicator (指标)	Unit (单位)	2024 (2024.1.1–2024.12.31)	2025 (2025.1.1–2025.6.30)
Number of Directors 董事人数	Person 人	7	7
Number of Independent Directors 独立董事人数	Person 人	1	1
Number of Female Directors 女性董事人数	Person 人	1	1
Number of Corruption Incidents Reported by Employees 员工举报的贪污事件数	Case(s) 件	0	0
Pending or Completed Legal Cases on Anti- Competitive Practices 反竞争行为和违反托拉斯 和反垄断法的未决或已 完成法律诉讼	Case(s) 件	0	0

Note: For the climate change section of this report, energy data was calculated in accordance with the GHG Protocol, applying the official guideline methodologies with monthly reporting cycles. Greenhouse gas emission factors were primarily sourced from the emission factor files provided on the GHG Protocol official website. Electricity-related GHG emissions were calculated using Malaysia's 2022 national electricity emission factor. Organizational carbon accounting was conducted with the Jimu GHG Cloud developed by E-C Digital, product carbon footprint calculations were performed using the Steel LCA Tool recognized by EPD Italy, and CBAM compliance reporting was calculated using the CBAM Tool. All tools mentioned above were developed by E-C Digital.

注：本报告气候变化议题下能源数据的计算标准为GHG Protocol，采用官方指南方法学，以月度作为填报周期。温室气体排放因子主要来源于GHG Protocol官网提供的排放因子文件。电力温室气体排放的计算采用了2022年马来西亚国家电力因子。组织碳计算使用的工具为易碳数科开发的积木碳云（Jimu GHG Cloud），产品碳足迹计算使用EPD Italy认可的Steel LCA Tool，CBAM合规申报的计算采用CBAM Tool，以上工具皆由易碳数科开发。

Indicator Index 指标索引

Statement of Use 使用说明	Eastern Steel Sdn. Bhd. prepared this ESG report for the period from January 1, 2024, to June 30, 2025, with reference to the GRI Standards. 东钢集团有限公司参照GRI标准编制2024年1月1日至2025年6月30日期间的ESG报告。
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GRI 206: Anti-competitive Behavior 2016 GRI 206: 反竞争行为为2016	
206-1 Legal actions for anti-competitive behavior, anti-trust and monopoly practices 206-1 针对反竞争行为、反托拉斯和反垄断实践的法律诉讼	
GRI 207: Tax 2019 GRI 207: 税务2019	
207-1 Approach to tax 207-1 税务方针	
207-2 Tax governance, control and risk management 207-2 税务治理、控制及风险管理	
207-3 Stakeholder engagement and management of concerns related to tax 207-3 与税务关切相关的利益相关方参与及管理	

GRI Standard Disclosure GRI 标准披露项	Section / Explanation 位置 / 解释
207-4 Country-by-country reporting 207-4 国别报告	
GRI 301: Materials 2016 GRI 301: 物料2016	
301-1 Materials used by weight or volume 301-1 所用物料的重量或体积	
301-2 Recycled input materials used 301-2 所用循环利用的进料	Topic: Our Path to a Low-Carbon Future 专题: 我们的低碳之路
301-3 Reclaimed products and their packaging materials 301-3 再生产品及其包装材料	
GRI 302: Energy 2016 GRI 302: 能源2016	
302-1 Energy consumption within the organization 302-1 组织内部的能源消耗量	Energy Management, Key Performance Indicators 能源管理、关键绩效
302-2 Energy consumption outside of the organization 302-2 组织外部的能源消耗量	
302-3 Energy intensity 302-3 能源强度	
302-4 Reduction of energy consumption 302-4 减少能源消耗	
302-5 Reductions in energy requirements of products and services 302-5 产品和服务的能源需求下降	
GRI 303: Water and Effluents 2018 GRI 303: 水资源和污水2018	
303-1 Interactions with water as a shared resource 303-1 组织与水作为共有资源的相互影响	Water Resources Management, Key Performance Indicators 水资源管理、关键绩效

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303-2 Management of water discharge-related impacts 303-2 管理与排水相关的影响	Water Resources Management, Key Performance Indicators 水资源管理、关键绩效
303-3 Water withdrawal 303-3 取水	
303-4 Water discharge 303-4 排水	
303-5 Water consumption 303-5 耗水	
GRI 304: Biodiversity 2016 GRI 304: 生物多样性2016	
304-1 Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas 304-1 组织在位于或邻近保护区和保护区外的生物多样性丰富区域拥有、租赁、管理的运营点	Ecological Protection 生态保护
304-2 Significant impacts of activities, products and services on biodiversity 304-2 活动、产品和服务对生物多样性的重大影响	
304-3 Habitats protected or restored 304-3 受保护或经修复的栖息地	
304-4 IUCN Red List species and national conservation list species with habitats in areas affected by operations 304-4 受运营影响的栖息地中已被列入 IUCN 红色名录及国家保护名册的物种	
GRI 305: Emissions 2016 GRI 305: 排放2016	
305-1 Direct (Scope 1) GHG emissions 305-1 直接（范围 1）温室气体排放	Climate Change Response, Key Performance Indicators 应对气候变化、关键绩效
305-2 Energy indirect (Scope 2) GHG emissions 305-2 能源间接（范围 2）温室气体排放	

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305-3 Other indirect (Scope 3) GHG emissions 305-3 其他间接（范围 3）温室气体排放	Climate Change Response, Key Performance Indicators 应对气候变化、关键绩效
305-4 GHG emissions intensity 305-4 温室气体排放强度	Key Performance Indicators 关键绩效
305-5 Reduction of GHG emissions 305-5 温室气体减排量	
305-6 Emissions of ozone-depleting substances (ODS) 305-6 臭氧消耗物质（ODS）的排放	
305-7 Nitrogen oxides (NOx), sulfur oxides (SOx) and other significant air emissions 305-7 氮氧化物（NOx）、硫氧化物（SOx）和其他重大气体排放	
GRI 306: Waste 2020 GRI 306：废弃物2020	
306-1 Waste generation and significant waste-related impacts 306-1 废弃物的产生及废弃物相关重大影响	Pollution Prevention and Control, Key Performance Indicators 污染防治、关键绩效
306-2 Management of significant waste-related impacts 306-2 废弃物相关重大影响的管理	
306-3 Waste generated 306-3 产生的废弃物	
306-4 Waste diverted from disposal 306-4 从处置中转移的废弃物	
306-5 Waste directed to disposal 306-5 进入处置的废弃物	
GRI 308: Supplier Environmental Assessment 2016 GRI 308：供应商环境评估2016	
308-1 New suppliers that were screened using environmental criteria 308-1 使用环境评价维度筛选的新供应商	Supply Chain Management 供应链管理
308-2 Negative environmental impacts in the supply chain and actions taken 308-2 供应链的负面环境影响以及采取的行动	

GRI Standard Disclosure GRI 标准披露项	Section / Explanation 位置 / 解释
GRI 401: Employment 2016 GRI 401: 雇佣2016	
401-1 New employee hires and employee turnover 401-1 新进员工雇佣率和员工流动率	Key Performance Indicators 关键绩效
401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees 401-2 提供给全职员工（不包括临时或兼职员工）的福利	Protecting Employee Rights 保障员工权益
401-3 Parental leave 401-3 育儿假	
GRI 402: Labor/Management Relations 2016 GRI 402: 劳资关系2016	
402-1 Minimum notice periods regarding operational changes 402-1 有关运营变更的最短通知期	
102-6 Scope 2 GHG emissions 102-6 范围2 温室气体排放	
403-1 Occupational health and safety management system 403-1 职业健康安全管理体系	Occupational Health and Safety, Key Performance Indicators 职业健康与安全、关键绩效
403-2 Hazard identification, risk assessment, and incident investigation 403-2 危害识别、风险评估和事故调查	
403-3 Occupational health services 403-3 职业健康服务	
403-4 Worker participation, consultation and communication on occupational health and safety 403-4 职业健康安全事务：工作者的参与、意见征询和沟通	
403-5 Worker training on occupational health and safety 403-5 工作者职业健康安全培训	
403-6 Promotion of worker health 403-6 促进工作者健康	
403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships 403-7 预防和减缓与业务关系直接相关的职业健康安全影响	

GRI Standard Disclosure GRI 标准披露项	Section / Explanation 位置 / 解释
403-8 Workers covered by an occupational health and safety management system 403-8 职业健康安全管理体系覆盖的工作者	Occupational Health and Safety, Key Performance Indicators 职业健康与安全、关键绩效
403-9 Work-related injuries 403-9 工伤	
403-10 Work-related ill health 403-10 工作相关的健康问题	
GRI 404: Training and Education 2016 GRI 404: 培训与教育2016	
404-1 Average hours of training per year per employee 404-1 每名员工每年接受培训的平均小时数	Key Performance Indicators 关键绩效
404-2 Programs for upgrading employee skills and transition assistance programs 404-2 员工技能提升方案和过渡援助方案	Talent Development 人才培养
404-3 Percentage of employees receiving regular performance and career development reviews 404-3 定期接受绩效和职业发展考核的员工百分比	
GRI 405: Diversity and Equal Opportunity 2016 GRI 405: 多元化与平等机会2016	
405-1 Diversity of governance bodies and employees 405-1 管治机构与员工的多元化	Protecting Employee Rights 保障员工权益
405-2 Ratio of basic salary and remuneration of women to men 405-2 男女基本工资和报酬的比例	
GRI 406: Non-discrimination 2016 GRI 406: 反歧视2016	
406-1 Incidents of discrimination and corrective actions taken 406-1 歧视事件及采取的纠正行动	Protecting Employee Rights 保障员工权益

GRI Standard Disclosure GRI 标准披露项	Section / Explanation 位置 / 解释
GRI 407: Freedom of Association and Collective Bargaining 2016 GRI 407: 结社自由与集体谈判2016	
407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk 407-1 结社自由与集体谈判权利可能面临风险的运营点和供应商	Key Performance Indicators 关键绩效
GRI 408: Child Labor 2016 GRI 408: 童工2016	
408-1 Operations and suppliers at significant risk for incidents of child labor 408-1 具有重大童工事件风险的运营点和供应商	Protecting Employee Rights 保障员工权益
GRI 409: Forced or Compulsory Labor 2016 GRI 409: 强迫或强制劳动2016	
409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor 409-1 具有强迫或强制劳动事件重大风险的运营点和供应商	Protecting Employee Rights 保障员工权益
GRI 410: Security Practices 2016 GRI 410: 安保实践2016	
410-1 Security personnel trained in human rights policies or procedures 410-1 接受过人权政策或程序培训的安保人员	
GRI 411: Rights of Indigenous Peoples 2016 GRI 411: 原住民权利2016	
411-1 Incidents of violations involving rights of indigenous peoples 411-1 涉及侵犯原住民权利的事件	
GRI 413: Local Communities 2016 GRI 413: 当地社区2016	
413-1 Operations with local community engagement, impact assessments, and development programs 413-1 有当地社区参与、影响评估和发展计划的运营点	Promoting Community Development 促进社区发展
413-2 Operations with significant actual and potential negative impacts on local communities 413-2 对当地社区有实际或潜在重大负面影响的运营点	

GRI Standard Disclosure GRI 标准披露项	Section / Explanation 位置 / 解释
GRI 414: Supplier Social Assessment 2016 GRI 414: 供应商社会评估2016	
414-1 New suppliers that were screened using social criteria 414-1 使用社会评价维度筛选的新供应商	Supply Chain Management 供应链管理
414-2 Negative social impacts in the supply chain and actions taken 414-2 供应链的负面社会影响以及采取的行动	
GRI 415: Public Policy 2016 GRI 415: 公共政策2016	
415-1 Political contributions 415-1 政治捐助	
GRI 416: Customer Health and Safety 2016 GRI 416: 客户健康与安全2016	
416-1 Assessment of the health and safety impacts of product and service categories 416-1 评估产品和服务类别的健康与安全影响	Quality Management 质量管理
416-2 Incidents of non-compliance concerning the health and safety impacts of products and services 416-2 涉及产品和服务健康与安全影响的违规事件	Key Performance Indicators 关键绩效
GRI 417: Marketing and Labeling 2016 GRI 417: 营销与标识2016	
417-1 Requirements for product and service information and labeling 417-1 对产品和服务信息与标识的要求	
417-2 Incidents of non-compliance concerning product and service information and labeling 417-2 涉及产品和服务信息与标识的违规事件	
417-3 Incidents of non-compliance concerning marketing communications 417-3 涉及营销传播的违规事件	
GRI 418: Customer Privacy 2016 GRI 418: 客户隐私2016	
418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data 418-1 涉及侵犯客户隐私和丢失客户资料的经证实的投诉	Business Ethics and Compliance 商业道德与合规



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☎ Address 地址: Lot 6293 & 6294 Teluk Kalong Industrial Estate, Kemaman, Terengganu, Malaysia.

☎ Tel 电话: +609 860 4000 ☎ Website 网站: <https://www.easternsteel.com.my/>