报告说明 About the Report

报告组织范围
中国铁建股份有限公司及下属机构。

报告时间范围
本报告为公司第14份社会责任报告，报告时间范围为2021年1月1日至12月31日，部分内容及数据超出上述范围。

报告发布周期
年度报告。

报告参考标准
本报告依据国务院国资委《关于中央企业履行社会责任的指导意见》、上海证券交易所《上市公司自律监管指引第1号——规范运作》，参照全球可持续发展标准委员会（GRI）《可持续发展报告标准》（GRI Standards），国际标准化组织（ISO 26000）社会责任指南（2010），香港联交所《环境、社会及管治指引》及《中国社会科学院《中国企业社会责任报告指导框架（CASS-CSIR1.0）》编制。

报告说明
本报告披露的财务数据如与年度报告有出入，以年度报告为准。其他数据按公司内部统计，本公司详尽于涉及财务数据以人民币作为计量单位，特别说明的除外。在报告中，为了便于叙述和阅读，中国铁建股份有限公司述以“中国铁建”“我们”等表示。

报告发布形式
本报告以印刷版和电子版两种形式发布，欲获取报告电子版，请登录中国铁建网站：www.crcc.cn。

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Reporting Scope
China Railway Construction Corporation Limited and all its subsidiaries.

Reporting Period
The report is the 14th Corporate Social Responsibility Report issued by China Railway Construction Corporation Limited throughout the period from January 1, 2021 to December 31, 2021, and this report includes additional content and information that predates the stated reporting period.

Release Cycle
Annual Report.

Reference Standard
This report is formulated in accordance with the Guiding Opinions on Fulfilling Social Responsibilities of Central State-owned Enterprises issued by the State-owned Assets Supervision and Administration Commission (SASAC) of the State Council, the Guidelines on Self-Regulatory Supervision of Listed Companies No. 1 - Standardized Operation Report issued by the Shanghai Stock Exchange, the GRI Standards issued by the Global Sustainability Standards Board (GSSB), the ISO 26000:2010 - Guidance on Social Responsibility issued by the International Organization for Standardization (ISO), the Environmental, Social and Governance Reporting Guide issued by the Stock Exchange of Hong Kong Limited, and the Guidelines on Corporate Social Responsibility Reporting for Chinese Enterprises (CASS-CSIR1.0) issued by the Chinese Academy of Social Sciences (EASS).

Report Description
In case of any discrepancy between the financial data disclosed in this report and the Company’s annual report, the latter shall prevail. Other data are based on the Company’s internal statistics. In this report, all currency amounts are in RMB unless otherwise specified. For the convenience of expression and reading, China Railway Construction Corporation Limited is also abbreviated for “CRCC”, the “Company”, “We”, and so on.

Release Form
This report is issued in both printed and electronic versions. To obtain the electronic version of this report, please visit CRCC website: www.crcc.cn.
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董事长致辞

2021年是中国铁路进入“十四五”规划的关键之年，面对复杂严峻的国内外形势和艰巨繁重的改革发展任务，中国铁路围绕“改革重组、守正创新、和衷共济”工作方针，落实“守正、增效、质变、做实”工作要求，锐意进取，收获了来之不易、弥足珍贵的奋斗底色。2021年，积极构建“安全、绿色、开放、共享”高质量发展新格局，推动改革发展取得新成效，党的全面领导、党的建设、党风廉政建设和反腐败斗争取得新成效，企业治理体系和治理能力现代化水平迈上新台阶，全面完成集团公司年度工作目标，实现了“十四五”良好开局。

加强统筹谋划，实现稳健发展

战略规划和发展导向指引，中国铁建秉持“建筑为本，相关多元，价值引领，品质卓越”的“十四五”总体发展战略，落实“争当排头兵、走在前列”战略部署，致力于打造“最受信赖的世界一流综合建设产业集团”。创新管理，严格责任追究，风险防控和质量管控能力持续提升，资源配置和经济效益同步提升。2021年，公司新签合同额、营业收入、净利润等主要指标均实现10%以上的增长。“小而美”产业格局不断优化，公司围绕“改革重组、守正创新、和衷共济”工作方针，落实“守正、增效、质变、做实”工作要求，锐意进取，收获了来之不易、弥足珍贵的奋斗底色。2021年，积极构建“安全、绿色、开放、共享”高质量发展新格局，推动改革发展取得新成效，党的全面领导、党的建设、党风廉政建设和反腐败斗争取得新成效，企业治理体系和治理能力现代化水平迈上新台阶，全面完成集团公司年度工作目标，实现了“十四五”良好开局。

2021年，中国铁建聚焦落实中央决策部署，围绕“稳增长、稳物价、稳就业”工作要求，积极做好“六稳”“六保”工作。在“稳存量、扩增量”上，积极拓展市场，提升经营效益，充分运用“铁建品牌”、“铁建服务”和“铁建文化”，提升市场竞争力，实现高质量发展。在“稳增长、稳物价、稳就业”上，积极做好“六稳”“六保”工作。在“稳存量、扩增量”上，积极拓展市场，提升经营效益，充分运用“铁建品牌”、“铁建服务”和“铁建文化”，提升市场竞争力，实现高质量发展。在“稳存量、扩增量”上，积极拓展市场，提升经营效益，充分运用“铁建品牌”、“铁建服务”和“铁建文化”，提升市场竞争力，实现高质量发展。
CHAIRMAN’S MESSAGE

2021 marked a critical period for CRCC to serve the new development paradigm and China’s 14th Five-Year Plan. Faced with the complexities at home and abroad as well as the daunting tasks of reform and development, CRCC remained committed to the working principle of “seeking truth from facts, adhering to the integrity and innovation, steady and long-term development” and forged ahead under the requirements of “Integrity, Innovation, Quality, Improvement, and Practicality”. Thus, we accomplished the main goals set in 2021, kicking off a good start for the 14th Five-Year Plan period.

We have strengthened overall planning and achieved steady growth
Strategic planning guides corporate development. Under the overall development strategy of “construction orientation, diversified development, value creation, and excellent quality” for the 14th Five-Year Plan period, we deliver major guarantee measures to be a world-class infrastructure builder you may rely on. Our economic performance and quality are both improved. In 2021, major indicators such as new contract value, revenues, and net profits all increased by more than 10%, and the “4+N” business structure was optimized. Reform and innovation and corporate governance are both advanced. We have met the current objectives of the three-year SOE reform action, improved the modern-enterprise system, and ensured that boards of directors were established or improved when it was necessary. Tenure- and contract-based management covered managers. Work safety and risk prevention and control have been leveled up and the big risk control and big supervision systems have taken shape, ensuring sound work safety.

We shoulder the responsibility of a central state-owned enterprise and send our care
In 2021, guided by the important decisions made by General Secretary Xi Jinping on rural revitalization, as an SOE, we took up our responsibilities by summarizing best practices in poverty alleviation and consolidating hard-won achievements. Serving rural revitalization, we focus on five aspects of industries, talent, culture, ecology, and organization and improve people’s life to achieve common prosperity. Self-directed investment in targeted assistance areas reached RMB 45.9 million, attracted investment in targeted assistance areas reached RMB 13.91 million, products from targeted assistance areas we purchased worth RMB 23.68 million, and products we helped sold worth RMB 7.7 million. We have spent RMB 23.9 million in consolidating what we have achieved from the efforts of ensuring that rural poor people are free from worries over food and clothing and have access to compulsory education, basic medical services, and safe housing and established six rural revitalization demonstration sites. By doing so, we have contributed to the First Centenary Goal of building a moderately prosperous society in all respects and the Second Centenary Goal of fully building a modern socialist country.

We keep in mind people’s well-being and build a better life together
In 2021, we grew with employees and communities to create and share a happy life and struck a balance between corporate and social development. We carry out the activity of “practical actions for the people” and, through activities such as the “Relief Project”, “Hope Project” and “LeiFeng Project”, meet people’s needs and expectations while bringing them concrete benefits. Through the “Skill Improvement Project”, “Empowerment Project”, and “Special Project”, we resolve bottlenecks and improve our supply to better meet people’s growing needs for a better life. We also care about the children of migrant workers, engage in flood relief in Henan, Shanxi, and Sichuan, work against time to build the centralized isolation zone in Shijiahuang, and help Xiaoshan District in Hangzhou to fight Typhoon “Haishen”. Enthusiastic about non-profit activities, we offer voluntary services to Beijing Winter Olympics. We also facilitate regional coordinated development, unswervingly promote the “overseas first!” strategy, and serve the Belt and Road Initiative.

We contribute to ecological civilization and serve China’s 30-60 Decarbonization Goal
In 2021, guided by Xi Jinping’s thought on ecological civilization, CRCC responded to the 30-60 Goal by advocating the concept of “green engineering.” We make ourselves a resource-saving and eco-friendly enterprise, fulfill environmental protection responsibilities, and promote environmental sustainability with practical actions. Our total investment in environmental protection has reached RMB 1.77 billion and no environmental pollution incidents, criticism from the provincial and ministerial levels or above, or public complaints have been registered. Through garbage sorting, afforestation, and environmental protection non-profit activities, we teach employees environmental protection knowledge and improve environmental protection awareness to empower low-carbon development. We also set up a “carbon peaking and carbon neutrality” task force to accurately identify huge development opportunities in this regard, intensify our efforts in the “environmental protection” sector, and contribute to the 30-60 Decarbonization Goal. A total of 67 projects have been recognized as provincial- or ministerial-level green construction projects for demonstration and 100% of the temporary construction land has been restored.

With strategic goals in mind, we will pursue a new development pattern
2022 will witness the convening of the 20th CPC National Congress and the full pursuit of the “14th Five-Year Plan” and the new development paradigm. In the face of new challenges, opportunities, and changes, CRCC will pursue high-quality development, seek progress while maintaining stability, and consolidate our established market shares while exploring emerging markets. We will also deepen reforms to stimulate development. Given the empowering rise of innovation, we will continue to step up innovation in mechanisms, technologies, and management, pursue safe development, heightened compliance awareness, and keep the bottom line. We prioritize practical work and forge ahead despite difficulties to move faster towards a world-class infrastructure builder you may rely on. We will give back to society, shareholders, and employees with excellent performance to celebrate the upcoming 20th National Congress of the CPC.

Wang Jianping
Chairman of the Board
总裁致辞

2021年，是中国共产党成立100周年，也是中国铁建迈入“十四五”高质量发展新征程的开局之年。一年来，我们坚持以习近平新时代中国特色社会主义思想为指导，坚持以高质量发展为主题，聚焦解决社会主要矛盾，突出服务企业社会价值，努力成为最值得信赖的世界一流建设产业集团。

我们坚决贯彻落实“‘十四五’规划和2035年远景目标纲要”，积极履行企业社会责任，全年营业收入突破3160亿元，同比增长12.1%；利润总额351.1亿元，同比增长11.6%；净利润239.2亿元，同比增长14%。企业在2021年《财富》“世界500强企业”排名第42位、“全球250家最大承包商”排名第3位、“中国企业500强”排名第11位，国务院国资委中央企业年度经营业绩考核中再次荣获A级，取得了中央企业第9名的历史最好成绩。

我们主动服务国家战略，打造具有卓越质量，助力国家“十四五”规划，助力地方经济社会发展，助力企业高质量发展。

2022年是党的二十大召开之年，是“十四五”规划全面落地的深化之年。中国铁建将更加紧密团结在以习近平同志为核心的党中央周围，认真贯彻落实党的二十大精神，以优异成绩迎接党的二十大胜利召开。
PRESIDENT’S MESSAGE

In 2021, which marks the 100th anniversary of the founding of the Communist Party of China, CRCC embarked on a new journey towards high-quality development during the “14th Five-Year Plan”. Guided by Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, we implemented the decisions made by the CPC Central Committee and the State Council, pursued high-quality development, and fulfilled the social responsibilities of a central SOE, striving to become a world-class infrastructure builder you may rely on.

In 2021, we gave back to shareholders and society with good business performance, with new records in our business operation, production, profits, industry, and management. We reached RMB 2,819.7 billion in newly-signed contract value, a year-on-year increase of 10.4%; our revenues stood at RMB 1,020 billion, a year-on-year increase of 12.1%; gross profit amounted to RMB 35.11 billion, a year-on-year increase of 11.4%; and net profits reached RMB 29.32 billion, up by 26%. In 2021, we ranked 42nd among Fortune Global 500 Companies, 3rd among Top 250 Global Contractors, and 12th among the Top 500 Chinese Companies. In the annual business performance assessment of the central SOEs by the State-owned Assets Supervision and Administration Commission, we were again rated as an A+ level enterprise and ranked in the unprecedented 9th place.

We serve major national strategies with high-quality and excellent construction and contribute to our times. We have built several major projects such as the Xuzhou-Lianyungang High-speed Railway, Lhasa-Nyingchi Railway, G7 Beijing-Urumqi Expressway, Guangzhou Metro Line 18, and Crane Beach Hydropower Station. As a result, we have won seven China Construction Engineering Luban Prizes, seven National Quality Engineering Gold Awards, 33 National High-quality Project Awards, two FIDIC Project Awards, and one ENR Global Best Projects Award. 100% of projects we built passed the first delivery acceptance.

We are committed to reform and innovation to empower corporate development. We accelerate the three-year SOE reform action plan and improve the board of directors of subsidiaries. China Railway Construction Heavy Industry Corporation Ltd. was the first central state-owned constructor to adopt a carve-out listing on the STAR market. We boost high-tech self-reliance and promote intelligent construction, green construction, and digital transformation. The world-leading shield machine with a super-large diameter “Jingzhou” was displayed at the National “Thirteenth Five-Year” Science and Technology Innovation Achievement Exhibition, and the thousand-ton “Kunshan” bridge girder erection machine, which won the China Patent Gold Award for the first time, was also exhibited.

We unswervingly implement the “Overseas First” strategy and pursue high-quality BRI cooperation. Our business has been expanded to 138 countries and regions. High-quality projects such as the China-Laos Railway, the Moscow Metro, Lagos-Ibadan Rail Line, Qatar Lusail Stadium, and the headquarters of the Africa CDC of the African Union have been completed, which were well received by local governments and people.

We share what we have achieved to benefit society and our employees. We protect the rights and interests of the employees and improve their working and living environment. We take measures to ensure that the wages of migrant workers are paid on time and the social security of the employees is guaranteed. We support the employment of retired workers, high-quality development, and win-win development, we created job and training opportunities. In 2021, we recruited more than 17,000 college graduates, hired more than 2 million unemployed people, and offered 1.135 million training opportunities of all types.

We heighten our sense of responsibility as a central SOE and work to become an pillar that lives up to the trust of the state and the Party. Fully committed to rural revitalization, we consolidate achievements in this regard. In 2021, we sent 42 cadres for targeted assistance areas, ramped up input investment, and helped our targeted assistance areas to achieve common prosperity. Working on the front line of COVID-19 response, we built makeshift hospitals and centralized isolation zones in different places, which supported local pandemic control. We were also involved in non-profit activities such as disaster relief and rescue, community construction, environmental protection, and donations to establish a good image of a central state-owned enterprise.

2022 will witness the convening of the 20th National Congress of the CPC and greater efforts in implementing the “14th Five-Year Plan”. CRCC, closely following the Party Central Committee with Comrade Xi Jinping at its core, will deliver the decisions made at the 19th National Congress of the CPC and the subsequent Plenary Sessions and secure new victories in high-quality development to celebrate the upcoming 20th National Congress.

Zhuang Shangbiao
The President
关于我们
ABOUT US

公司概况
COMPANY PROFILE

中国铁建股份有限公司由中国铁道建筑总公司(现更名为中国铁建建筑集团有限公司)独家发起设立，于2007年11月5日在北京成立，为中国建筑的特大型建筑企业。2008年3月10日和3月13日，公司人民币普通股(A股)和境外上市外资股(H股)分别在上海证券交易所和香港联交所上市。

China Railway Construction Corporation Limited (hereinafter referred to as “CRCC”) was initiated by China Railway Construction Corporation (which was restructured into China Railway Construction Co., Ltd.) on November 5, 2007 in Beijing. CRCC is a megaworld construction corporation under the administration of the State-owned Assets Supervision and Administration Commission of the State Council (SAASC). On March 10 and March 13, 2008, the Company’s domestic shares (A shares) and overseas listed foreign capital shares (H shares) were listed on the Shanghai Stock Exchange and the Hong Kong Stock Exchange, respectively.

中国铁建是全球最具实力、规模的特大型综合建设集团之一。公司连续入选美国《工程新闻纪录》(ENR)杂志“全球250家最大承包商”，2021年排名第三位；连续入选《财富》杂志“世界500强”，2021年排名第四位；连续入选“中国企业500强”，2021年排名第12位。

CRCC is one of the most powerful and megaworld comprehensive construction groups in the world. Listed in the ENR’s Top 250 Global Contractors, CRCC ranked third in 2021. CRCC also ranked 42nd in the Fortune Global 500 list and 12th in the Top 500 Enterprises of China list in 2021.

公司业务涵盖工程承包、勘察设计咨询、投资运营、房地产开发、工业制造、物流运输、绿色环保、产业金融及其他新兴产业，经营范围覆盖全国32个省、自治区、直辖市以及全球148个国家和地区。已成功在施工承包为主发展成为具有科技、规划、勘察、设计、施工、监理、运营、维护和融资等完整的工业产业链。具备了为业主提供一站式综合服务的能力。在高铁、高速铁路、高速公路、桥梁、隧道和城市轨道交通工程设计及建设领域确立了行业领先地位。

Our business covers project contracting, planning and design consultation, investment and operation, real estate development, industrial manufacturing, logistics, environmental protection, industrial finance, and other emerging industries. We do business in 32 provinces, autonomous regions, and municipalities across China and 148 countries and regions around the world. CRCC has made a transition from a project contractor to a service provider covering a complete industry chain of research, planning, survey, design, construction, supervision, operation, maintenance, investment, and financing with the ability to provide one-stop comprehensive services for clients. We have established a leading position in the industry in the design and construction of high-speed railways, high-speed railways, expressways, bridges, tunnels, and urban rail transit.

公司立足新发展阶段，贯彻新发展理念，融入新发展格局，遵循“实事求是、守正创新、行稳致远”的工作方针，以服务国家经济社会发展和满足人民对美好生活的向往为发展方向。围绕政府、城市和人民需要，奋力打造“品质铁建”，发挥全产业链优势，为客户提供一站式综合服务，向着最值得信赖的世界一流综合建设产业集团的企业愿景迈进。

At the new stage, we implement the new development philosophy and fit into the new development paradigm. Under the working principle of “seeking truth, pursuing innovation and steady long-term development”, we serve China’s socio-economic development and meet people’s expectations for a better life. Focusing on what the government, cities, and people need, we create the “Quality CRCC”, give full play to our complete industry chain, and provide customers with one-stop comprehensive services to be a world-class infrastructure builder you may rely on.
企业文化与品牌
CORPORATE CULTURE AND BRAND

2021年，中国铁建加速推进新时代企业文化与品牌建设工作，发布《中国铁建文化纲要》和《中国铁建品牌宣言》，以弘扬铁道兵精神文化为基础，提炼打造“品质铁建”的内在要求和响应时代发展的外在诉求，彰显企业社会责任，新时代的中国铁建人，将中国铁建文化纲要和品牌建设，全面上下凝心聚力，共同推进中国铁建发展壮大的宏伟事业。

中国铁建文化纲要
CRCC CULTURAL PROGRAMME

理念篇
企业使命：编织大地经纬，成就美好未来
企业愿景：最值得信赖的世界一流综合建设产业集团
企业价值观：诚信创新永恒 精品人品同在
企业精神：逢山开路 遇水架桥

CONCEPT CHAPTER
Mission: Weaving the longitude and latitude lines on earth to achieve a better future
Vision: To be a world-class construction service provider you can rely on
Core Values: Integrity and Innovation forever, quality and morality together
Spirit: Conquer all obstacles

行为篇
行为总则：尽心尽责 实事求是 与时俱进 共进共赢

CONDUCT CHAPTER
Code of Conduct: Accountable, pragmatic, progressive, win-win

管理篇
安全管理：生命至上，预防为主
质量理念：精品求精，善者求善
环保理念：绿色施工，和谐共生
人才理念：以人为本，德才兼备
廉洁理念：正道而行，律己律人

MANAGEMENT CHAPTER
Safety first and safety first, precaution is crucial
Quality: Keep improving and make good performance
Operation: Quality based, Customer first
Environmental protection: Green development, harmonious coexistence
Talents: People oriented, with ability and virtue
Political integrity: Do what's right with self-discipline

中国铁建品牌宣言
CHINA RAILWAY CONSTRUCTION BRAND DECLARATION

品牌定位
Brand positioning
美好生活建造者
Builder of a Better Life

品牌愿景
Brand vision
最值得信赖的世界一流综合建设产业集团
To be a world-class infrastructure service provider you can rely on

品牌核心价值
Brand core value
品质铁建 造福世界
Quality and Connectivity

品牌个性
Brand personality
勇于担当 品质共生
Commitment, perseverance, quality, symbiosis

品牌口号
Brand slogan
建筑美好 正赢得未来
Building the present, leading the future/ Quality Railway Construction, connecting the world
公司治理
CORPORATE GOVERNANCE

中国建筑坚持“两个一以贯之”，根据相关法律法规及现代企业治理要求，优化公司治理架构。完善公司治理，同时做好信息披露和投资者关系管理，做优秀的上市公司。公司获评国资委国有企业公司治理示范企业。

Guided by the “Two core principles”, we optimize the corporate governance structure in accordance with relevant laws and regulations and the requirements of modern corporate governance. We also manage information disclosure and investor relations well to be an excellent listed company. We have been recognized as an exemplary SOE of corporate governance by the SASAC.

完善公司治理
CORPORATE GOVERNANCE IMPROVEMENT

我们把加强党的领导和完善公司治理有机统一，围绕“定位、授权、行权”的职责定位，以发展战略为引领，坚持科学审慎决策，有效防控风险。持续完善权责法定、权责透明、协调运转、有效制衡的公司治理机制。进一步健全治理制度体系，规范监管要求。结合企业实际，持续推进制度建设，优化董事会规范运作流程，促进制度优势更好地转化为治理效能。2021年，修订《公司章程》《董事会会议规则》《董事会专门委员会工作制度》《独董工作制度》，修订《董事会授权管理制度》《外部董事津贴保障方案》等制度。我们持续提升全系统公司治理水平，推动公司治理向更规范、更透明、更高质量发展，增强企业公信力，实现董事会依规、依法、依德运作。

We strengthen the Party leadership while improving corporate governance. The Board of Directors sets strategies, makes decisions, and prevents risks. Guided by development strategies, we make science-based and prudent decisions, guard against risks, and continue to improve the corporate governance mechanism featuring defined responsibilities, transparency, coordination, and effective checks and balances. We improve the governance system, and according to regulatory requirements and the actual situation, optimize relevant policies. We ensure that the Board of Directors has standardized operations and that better policies can improve governance efficiency. In 2021, we revised the Articles of Association, the Rules of Procedure of the Board of Directors, the working rules of the special committees under the Board of Directors, and the Work System for Independent Directors, and formulated policies such as the Authorization Management of the Board of Directors and the Work Plan for the Performance of External Directors. We continue to improve our overall corporate governance, establish top-down corporate governance, establish boards of directors in subsidiaries when it is necessary, guide them to help the board exercise its rights, and improve the authorization management of the board of directors.

召开股东大会3次
26项议案通过审议并形成决议
The General Meeting of Shareholders was convened three times, reviewing and agreeing on 26 proposals

召开董事会21次
对136项议案进行审议并形成决议
The Board of Directors held 21 meetings, reviewing and agreeing on 136 proposals

召开董事会各专门委员会31次
对112项议案进行审议并形成专项意见
Specialized committees under the Board of Directors organized 31 meetings, reviewing and putting forward opinions on 112 proposals

召开监事会会议7次
审议通过22项议案
The Board of Supervisors held seven meetings, deliberating and approving 22 proposals
信息披露

INFORMATION DISCLOSURE

公司严格按照上市地上市规则的要求，真实、准确、完整、及时、公平披露信息，增强披露内容的针对性和有效性，提高信息披露透明度。

Strictly following the listing rules where we are listed, we disclose authentic, accurate, complete, and timely information in a fair manner, make information disclosure more targeted and effective, and improve information transparency.

2021

公司在上海证券交易所、香港联交所共披露各类中文文件共376份，连续第8年获得上交所信息披露工作最高评价A级。

We disclosed 376 documents in both Chinese and English on the Shanghai Stock Exchange and the Hong Kong Stock Exchange. For eight years in a row, we have been rated A, the highest level, in information disclosure by the Shanghai Stock Exchange.

投资者关系管理

INVESTOR RELATIONS MANAGEMENT

公司高度重视与投资者的交流，通过业绩说明会、投资者关系热线电话、专用邮箱、“上证E互动”平台、电话路演等方式，及时回复投资者提出的问题，建立与中小投资者的良好互动关系。

The Company attaches great importance to communication with investors, and responds to the questions raised by investors in time through the performance briefings, investor relations hotline, special email, “Shanghai Stock Exchange E-Interaction” platform, reverse roadshow, and other ways to have sound interactions with small and medium-sized investors.

2021

与分析师和分析师见面会及电话会23场

Industry analyst and analyst meetings and conference calls totaling 23.

接待来访186人次

We received 186 visitors.

在业绩发布会6次

We held four performance press conferences and received 133 visits from institutional investors.

举办年报路演会议17场

A total of 17 roadshows were arranged, receiving 82 investors.

第十一届中国市场投资者关系奖

“境内投资者关系奖”

The 11th China Listed Company Investor Relations Selection

“社会投资者关系奖”

“China Listed Company Investor Relations Selection” in the 15th China Listed Company Value Selection

第二十届中国市场投资者关系奖

“境内投资者关系奖”

The 20th China Listed Company Investor Relations Selection

“社会投资者关系奖”

“China Listed Company Investor Relations Selection” in the 23rd China Listed Company Value Selection

2021 我们的荣誉

OUR HONORS IN 2021

第十二届中国市场投资者关系奖

“境内投资者关系奖”

The 12th China Listed Company Investor Relations Selection

“中国股票公司”

“China Listed Company Value Selection” in the 15th China Listed Company Value Selection

第四届新财富最佳IR港股公司

“最佳IR港股公司”

The 4th New Fortune Best IR Hong Kong Stock Company Award

“新财富最佳IR港股公司”

“New Fortune Best IR Hong Kong Listed Company Selection”

第二十三届中国上市公司价值

“最具投资价值奖”

The 23rd Golden Bull Award for Listed Companies

“最具投资价值奖”

“Greatest Investment Value Award” and “CSR Award” at the 23rd Golden Bull Award for Listed Companies

第二十一届中国上市公司百强排行榜

“中国百强企业奖”

The 21st China Top 100 Listed Companies Forum

“中国百强企业奖”

“Top 100 Chinese Enterprises” and “Top 10 Chinese High-growth Enterprises” at the 21st China Top 100 Listed Companies Forum

《财经》可持续发展高峰论

“2021《财经》长青奖”

The 2021 Caijing Evergreen Award for Sustainable Development at the 2021 Caijing Sustainable Development Summit.
责任管理
CSR MANAGEMENT

作为联合国全球契约组织的一员，中国铁建持续健全社会责任管理体系，扎实开展社会责任工作，推动社会责任管理融入工作实践，塑造负责任的品牌形象。

As a member of the United Nations Global Compact, CRCC continues to improve the CSR management system, make CSR part of our work, and build an image of a responsible brand.

责任理念
CSR CONCEPTS

中国铁建以“建筑大地经纬，成就美好生活”为社会责任理念，以“美好生活创造者”为责任品牌宣传口号。

We are committed to being a creator of beautiful living standards, and our CSR slogan is “Living Better, Life in Harmony.”

从最北端的鸭绿江到最南端的洞庭湖，从最西端的帕米尔高原到最东端的黑龙江，中国铁建将桥梁、道路、城市等建设成为连接各地，实现梦想的桥梁。

Currently, the company has plans for construction projects ranging from the northernmost region of China, near the Yalu River, to the southernmost region near Dongting Lake, as well as from the westernmost region of the country in the帕米尔高原 to the easternmost region near the Songhua River. These projects will serve as bridges that connect different parts of the country and help achieve people’s dreams.

为更好地践行可持续发展理念，中国铁建始终坚持以客户为中心的服务理念，为客户提供工程项目和管理；员工持续成长空间，为股东提供丰厚回报，与伙伴共筑和谐生态，为行业贡献卓越力量，为社会营造绿色和谐。

In order to better implement the concept of sustainable development, CRCC focuses on providing customer-centric services and project management, offering employees continuous growth opportunities, and returning丰厚 profits to shareholders, and working together with partners to build a harmonious ecosystem for the industry and society.

贡献联合国可持续发展目标
CONTRIBUTION TO THE UN SDGS

公司推动社会责任工作融入企业日常经营管理，确保企业与社会和谐发展。建立健全社会责任管理体系，持续完善社会责任管理制度，开展社会责任培训，全面提升员工责任意识和履责能力。

We make CSR part of our daily operation and management to ensure that our developments are conducive to society. We establish and improve the CSR organization system, conduct CSR training to improve employees’ sense of responsibility and CSR performance.

为履行社会责任，中国铁建在以下方面，为联合国SDGs的实现贡献独特价值。

To fulfill our social responsibility, we focus on the following aspects to contribute to the SDGs:

目标1：无贫困

目标3：良好健康和福祉

目标4：优质教育

目标5：性别平等和女性赋权

目标9：产业、创新和基础设施

目标10：减少城市不平等

目标13：气候行动

目标15：生命物种
责任沟通

CSR ENGAGEMENT

公司强化多维度沟通机制，深入了解利益相关方的期望与诉求，并给予积极回应。连续14年发布社会责任报告，向利益相关方系统性地发布经济、社会与环境方面的履责行动及成效，与利益相关方坦诚沟通、共谋发展。

Based on the multi-dimensional communication, we strive to understand the expectations and demands of stakeholders in-depth, and actively respond to them. We have released social responsibility report for 14 consecutive years to disclose in a bid to communicate candidly with stakeholders for common development.

利益相关方

Stakeholder

期望与要求

Expectations and Requirements

沟通机制与方式

Engagement Mechanism and Methods

政策

Government

遵守相关法律法规
Adhere to relevant laws and regulations

增加透明度
Increase transparency

政府间合作
Governmental cooperation (where the business is located)

非政府组织
Non-governmental organisations

- 参加相关会议
Attended relevant meetings
- 关键报告
Key reports
- 标杆案例
Benchmark cases

企业

Corporate

客户与公众

Customers and others

提供产品与服务
Provide products and services

并不断改进
Continuously improve
- 合作伙伴
Partners

供应商与分销商

Supplier and distributors

保持稳定合作关系
Maintain stable partnerships

保持合理价格
Maintain reasonable prices

供应商与分销商

Supplier and distributors

保持稳定合作关系
Maintain stable partnerships

保持合理价格
Maintain reasonable prices

沟通机制与方式

Engagement Mechanism and Methods

- 公开沟通
Open communication
- 会议
Meetings
- 专家访谈
Expert interviews
- 媒体访问
Media visits
- 培训
Training
- 问答
Q&A

环境

Environment

提升环保能力
Enhance environmental capability
- 社区
Communities

提升环保能力
Enhance environmental capability
- 自愿贡献
Voluntary contributions
- 环境友好
Environmental friendliness
- 企业
Firms

提升环保能力
Enhance environmental capability
- 客户与公众
Customers and others

提升环保能力
Enhance environmental capability
- 合作伙伴
Partners

提升环保能力
Enhance environmental capability
- 公共关系
Public relations

提升环保能力
Enhance environmental capability
- 媒体
Media
- 环境保护
Environmental protection

沟通机制与方式

Engagement Mechanism and Methods

- 定期沟通
Regular communications
- 企业
Firms

提升环保能力
Enhance environmental capability
- 合作伙伴
Partners

提升环保能力
Enhance environmental capability
- 公共关系
Public relations
- 媒体
Media
- 环境保护
Environmental protection

利益相关方

Stakeholder

期望与要求

Expectations and Requirements

沟通机制与方式

Engagement Mechanism and Methods

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责任议题
CSR TOPICS

基于国内外社会责任标准、政府政策要求、利益相关方调研，中国铁建对 CAR 主要议题进行梳理，中国铁建形成了 CSR 的主要议题。

公司分析比较不同的社会责任议题对企业的影响和对社会的影响，建立责任矩阵，形成中国铁建社会责任议题，有针对性地披露相关议题内容。

After analysing and comparing the impact of different CSR topics on stakeholders and their importance to the Company's own development, the Company establishes a two-dimension matrix, and then selects the Company's material topics for targeted disclosure of relevant issues.
责任聚焦
CSR SPOTLIGHTS

27  谋篇布局，擘画发展新蓝图
Drawing a New Blueprint for Development in the 14th Five-Year Plan Period

31  乡村振兴，谱写共富新篇章
Writing a New Chapter of Common Prosperity in Rural Revitalization

35  实事工程，展现民生新作为
Working on Practical Projects for People’s Life
谋篇布局，擘画发展新蓝图
DRAWING A NEW BLUEPRINT FOR DEVELOPMENT IN THE 14TH FIVE-YEAR PLAN PERIOD

"十四五"时期是“两个一百年”奋斗目标的历史交汇期，是中国铁建进入万亿元级企业行列的关键时期。2021年9月23日，中国铁建发布《中国铁建“十四五”发展战略与规划》，对未来发展目标、重点发展任务、产业布局及实施了系统化战略规划。为公司继续前进，打造“品质铁建”指明了方向。

The 14th Five-Year Plan period (2021–2025) is the transition between the "Two Centenary Goals", the important crossroads marking CREC to become a trillion-dollar enterprise, and the critical period when we move together towards a world-class infrastructure builder you may rely on. On September 23, 2021, we released the CREC Development Strategy and Planning During the 14th Five-Year Plan Period (2021–2025), which includes the overall development strategy, goals, priorities, and the business structure for the next five years. The document has pointed out the direction for the Company to forge ahead for "High-Quality CREC".

"十四五"规划是一个战略机遇期。中国铁建党组书记、董事长汪建平表示："十四五"规划是实施新时代中国特色社会主义思想、实现“两个一百年”奋斗目标的历史交汇期，是中国铁建进入万亿元级企业行列的关键时期。为公司继续前进，打造“品质铁建”指明了方向。

"The ‘14th Five-Year Plan’ period covers all employees and all aspects. We must make it understood, consistent, and better. It is more important to focus on overall planning, form synergy, and give play to best practices so that the plan can be delivered."

Wang Jianping, Party Secretary and Chairman of CREC

明确发展方向
Setting Directions

Based on our situation, we have set up a two-stage plan to become a world-class enterprise in the 14th Five-Year Plan period in a new development blueprint.

总体发展战略：建筑为本，相关多元，价值引领，品质卓越，发展成为最具影响力的世界一流综合建设产业集团。

Overall development strategy: construction-based, development-diversified, value-leading, and excellence-governed to be a world-class infrastructure builder you may rely on.

到2025年，基本建成世界一流企业，力争迈上“四个台阶”，即在利润总额、人均营业收入、全员劳动生产率、职工人均年收入四个方面迈上新的台阶。

By 2025, we will have basically become a world-class enterprise and reached a new level in four aspects: total profits, per capita revenues, labor productivity of all employees, and per capita annual income of employees.

到2035年，全面建成世界一流企业，实现“三个领军”，即在国际资源配置中具有重要影响力的领军企业。引领全球行业技术发展的领军企业。在全球产业发展中具有话语权和影响力的领军企业。

By 2035, we will have become a world-class enterprise in an around-the-world way and a global leader in three aspects: the international resource allocation, technological development of the industry, and the development of the industry with influence and a greater say.
公司以“十四五”总体发展战略为导向，提出“一创六化”七大重点发展任务，构建“8+N”产业格局。编制出台人力资源、科技创新、信息化、国内经营、海外发展等职能规划，形成总体战略统筹引领，重点任务纵向到边、产业发展的横向到边的立体化、系统性战略体系。

Guided by our plan for the 14th Five-Year Plan period, we define seven priorities of “one innovation and six aspects”, build an “8+N” industrial structure, and formulate general strategies based on human resources, scientific and technological innovation, IF sales, and operations at home and abroad to ensure business development go deep and broad.

“一创六化”重点发展任务
Priorities of “one innovation and six aspects”

坚持创新驱动发展、培育持续发展新动能；统筹推动集团化发展、构建资源配置新格局；全面推行精细化管理，实现质量效益新提升；大力发展专业化经营，塑造市场竞争新优势；积极稳妥数字化转型，开启信息化建设新篇；坚定实施国际化经营，赢得海外优先新突破；深入推进一体化协同，探索合作共赢新路径。

Priorities of “one innovation and six aspects”. We follow innovation-driven development to foster new growth drivers for sustainable development, promote intensive development to build a new pattern of resource allocation, implement delivery management to improve quality and efficiency, professionalize operations to create new market competitiveness, target digitalization to establish a new IF pattern, go global to win overseas markets, and integrate our business to explore new paths for all-win cooperation.

“8+N”产业格局
“8+N” industrial structure

大力发展工程承包、规划设计咨询、投资运营、房地产开发、工业制造、物资物流、绿色环保、产业金融“8”个重点产业，积极培育城市运营、文旅康养、信息技术、新材料等“N”个新兴产业。

“8+N” industrial structure: vigorously developing “8” key industries of project contracting, planning and design consultation, investment and operation, real estate development, industrial manufacturing, logistics, environmental protection, and industrial finance, and “N” emerging industries in urban operations, cultural tourism and healthcare, information technology, new materials.

实现精彩开局
Kicking off a Good Start

2021

- 公司新签合同额28196.516亿元
  同比增长10.39%
- 我们签订了新合同价值RMB 2.8196516万亿元，同比增长10.39%
- 实现营业总收入293352亿元
  同比增长14.03%
- 我们的净利润为RMB 29.3352万亿元，同比增长14.03%
- 完成营业收入10200.102亿元
  同比增长12.05%
- 我们的收入达到了RMB 1,0200.102万亿元，同比增长12.05%
- 资产总额13529.7亿元
  同比增长8.87%
- 我们的总资产为RMB 13,529.7万亿元，同比增长8.87%

- 经济”要”
乡村振兴，谱写共富新篇章

WRITING A NEW CHAPTER OF COMMON PROSPERITY IN RURAL REVITALIZATION

中国经济正面临新的挑战，实现乡村振兴战略是重要手段。通过实施乡村振兴战略，我们可以促进农业现代化、提高农村居民生活水平。本文将从乡村振兴战略的角度，探讨其重要意义及实施策略。

组织领导

乡村振兴工作领导小组，组织召开专题会议，研究乡村振兴战略。2021年，各级政府共投入乡村振兴项目资金达148.9亿元。

资金投入

持续投入乡村振兴，其中对国家重点帮扶县投入中央财政资金较2020年增加34.2亿元。

我们承诺对资金投入：通过空投RMB 342,000 to Gande County，a county under state-level assistance.

干部选派

做好干部培训，提升工作能力和水平。加强关爱关爱，实现干部安心工作再帮扶。2021年，派出定点扶贫干部42名。

干部选派
cadre assignment

我们开展培训，提升干部能力，加强关爱关爱，实现干部安心工作。2021年，派出定点扶贫干部42名。

资金监管

基金监督

严格审查扶贫资金，确保扶贫资金使用合规，保证扶贫项目阳光透明。2021年，开展3个定点帮扶区县扶贫资金的专项跟踪审计。

聚力五大振兴，贡献乡村振兴“新发展”

Focusing on Five Revitalization for New Development

公司围绕“产业兴村、生态宜居、乡风文明、治理有效、生活富裕”总要求，聚力“五大振兴”，全面推进乡村振兴工作，为实现乡村振兴贡献重要力量。

生态振兴

Ecological revitalization

我们投资RMB 1 million to Qiaozhu Village of Jiangtang Township in Qingxiu Province to improve the living environment, rural roads, and other infrastructure and implementing projects such as domestic package disposal and sewage treatment. We also introduce special measures to build a sewage treatment project with 14,463 meters of sewage pipelines and renovate 1,252 latrines.

聚力多重资源，展现乡村振兴“新布局”

Pooling Together Multiple Resources for a New Landscape

公司坚决落实“四个不动”：组织协调、帮扶干部、资金投入与监管等方面继续强化帮扶举措，确保各项帮扶工作扎实有效平稳推进。

我们坚决做好四个方面的工作，并与组织协调、干部管理、资金投入和监督等多方面加强协调与指导，确保各项帮扶工作扎实有效。

2021年

中国建设银行扶贫资金

4590.26万亿元

The amount of self-directed investment was RMB 4590.26 million in targeted assistance areas.

引进扶贫资金

1391.1万亿元

The amount of additional investment was RMB 1391.1 million in targeted assistance areas.

购买联结地农产品

2368.07万亿元

Purchased products worth RMB 2368.07 million from poverty alleviation areas.

2021年

助力认购“两不愁三保障”成功投入资金

239.65万亿元

Assisted in more than 39.65 million yuan to help consolidate the achievements of "Two No Worry and Three Guarantees".

打造乡村振兴

示范点6个

6 demonstration sites of rural revitalization demonstration sites

"聚焦五大振兴，贡献乡村振兴“新发展””

"Focusing on Five Revitalization for New Development"
产业振兴 Industrialization

制造业
- 发展核桃种植产业，建立无公害核桃种植基地
- 既有农业企业50家，农业总产值10亿元，水果种植面积10000亩，蔬菜种植面积30000亩，带动农民增收。
- Shangli County, Hebei Province: We help develop the grain industry and establish an Organic grain farm of 3,000 mu, which offers more than 5,000 jobs. We also provide Nanxian Village RMB 1 million and fund the Yanggatao Ecological Ranch Project.
- Cangxi County, Qingping Province: We leverage the local advantages in ecological animal husbandry, vigorously promote leading enterprises in processing special animal products, establish an exhibition workshop, and introduce Qingtan DairyWoman-helplng Embryology Company to train embryology workers and offer jobs to local women.
- Xinjiang County, Shaanxi Province: We develop the planting industry of TCMB such as Gastrodia elata, Polypodium umbellatum, and Wolfsipperm extensa Enns in Rural Village to ensure that every household has a job in the farm.

人才振兴 Talent empowerment

- UP2021, a total of RMB 100,000 was invested in professional training institutions to hold training on cooking and housekeeping services, benefiting more than 10,000 farmers.
- Building a local employment platform: We set up Zhangjiakou Wuye Human Resource Service Co., Ltd. and Zhangjiaokou Yishu Human Resource Service Co., Ltd to help find jobs and connect with labor departments and companies. In 2021, the employment platform helped 65 people get employed locally.

文化振兴 Cultural revitalization

- Developing the cultural industry. We donate RMB 3.83 million to help Shangli County in Hebei Province build a county-level library, an art gallery, and a multi-functional studio. Since the library was opened to the public, it has received more than 15,000 visitors. We hold cultural square with a total area of more than 3,000 m² to bring more cultural activities to Qingshan Village and Baozhuang village in Fentou County, Shanxi Province.

组织振兴 Organizational improvement

- We invest RMB 650,000 to improve the supporting facilities of the classroom at the Party Building Center of Shangluo Village in Wanqian District to help implement the “Three meetings and one lecture” policy for grassroots Party branches. We also carry out cultural training and educational activities for villagers. The general Party branch of Shangluo Village has been recognized by the Wanqian District Party Committee as a five-star Party organization. We have invested RMB 100,000 to help build a Party branch in Baozhuang Village and promote the development of local economy.

地方特色 Middle local characteristics

- 通过发展文化产业，提升乡村文化内涵，加强乡村文化阵地建设和乡村文化建设。
- by developing the cultural industry and maintaining good publicity, we help rural areas foster a sound culture.
聚焦三

Spotlight

实事工程，展现民生新作为
WORKING ON PRACTICAL PROJECTS FOR PEOPLE’S LIFE

在事实工程领域，展现民生新作为，是公司践行社会责任的重要举措。公司始终坚持以人为本，注重民生改善，积极打造“实事工程”、“关爱工程”、“共享工程”等项目，解决群众的急难愁盼问题，让民生福祉触手可及。

**实事工程**：深入基层，了解群众所想所盼，解决群众实际困难，提高群众的幸福感和满意度。

**关爱工程**：通过实施“暖心工程”、“贴心工程”等关爱计划，关注员工成长和家庭生活，提升员工幸福感。

**共享工程**：推动资源共享，实施“共富工程”、“共享工程”，促进社会和谐发展。

**重点关键广覆盖
Covering a Wide Range of Priorities

公司持续加大普惠性、基础性、兜底性民生建设力度，通过“实事工程”、“关爱工程”等，推动生活圈惠及更多群众，让民生福祉触手可及。
主动担当重实效
Shouldering Responsibility for Practical Outcomes

赋能增长促发展
Empowering Growth

公司开展“希望工程” “圆梦工程” “亲”工程”等，弘扬德育兵精神，关爱老区人民和英烈后代，融入城市管理，落实乡村振兴责任。

We carry out the “Hope Project”, “Realization Project”, and “Kinship Project” to pass on the legacy of railway soldiers, care for the people in the old revolutionary base and the descendants of martyrs, engage in urban management, and assume the responsibility of rural revitalization.

“希望工程”：捐助四川省凉山彝族自治州的铁路希望学校50万元，有效缓解办学压力，改善学生学习条件，赢得当地政府和群众广泛称赞。

“Hope Project” We donate RMB 500,000 to the Railway Hope School in Ping County, Liangshan Prefecture, Sichuan Province, which reduces the pressure on school operations and improves the learning conditions of students, winning recognition from the local government and the public.

“圆梦工程”：保持强有力的政策、资金支持，帮扶力量总体稳定，延边第二期“海、河、北三村扶贫干部，持续跟踪扶贫地区基础设施建设和发展情况。直接购买和带贫联贫地区农产品，助力对口帮扶地区产业经济社会发展。

“Realization Project”. We maintain strong policy, financial support, and assistance personnel, continue to promote infrastructure building and industrial assistance in poverty-stricken areas, and directly purchase and sell local produce from poverty-stricken areas so that the local economy can flourish.

“亲”工程”：进一步加强与铁路公司“大爱历史文化教育基地”等，弘扬素质教育、德育兵精神，联合中国交建集团和中欧倡导的项目电影《弹黄》，电视《铁道兵回忆录》《红色印记》等。

“Kinship Project” We upgrade the Company’s “great love cultural and educational base” to promote the legacy of railway soldiers, and cooperate with China Film Co., Ltd. to produce several mainstream films including Cloudy Mountain, Faith Makes Great, the TV series I am a Railway Soldier, and the documentary Red Mark by the National Cultural Heritage Administration.

公司深刻把握新发展阶段的丰富内涵和实践要求，聚焦高质量发展，通过“强能工程”“提能工程”“精能工程”等，破解“卡脖子”难题，推动供给质量和水平更好满足人民群众对美好生活的需要。

We are deeply aware of the meaning and requirements of the new development philosophy, promote high-quality development, and resolve breakthrough issues through the “power improvement project”, “ability improvement project”, and “special project” to further improve the living standards of the people.

“强能工程”：通过教育培训、交流提技、技能竞赛等手段，不断激发素质复合型人才潜力，为企业培养一大批实用型人才。

“Skill Improvement Project”. Through education and training, exchange and temporary job rotation, and skills competition, we speed up the training of interdisciplinary talents with high skills and keep professionals for the Company.

“提能工程”：开通线上技术社区，协同技术专家为技术工作者答疑解惑和技术咨询服务，解决基础一线技术人员与专家沟通学习的“最后一公里”问题，促进技术创新水平再上台阶。

“Empowerment Project”. We launch an online technical community, coordinate technical experts to answer questions and provide technical consultations for the majority of technical workers, solve the connection problem between on-site technical personnel and experts, further improving the company's technology.

“精能工程”：深入推动“高铁智能新一代信息技术”在铁路行业的应用发展，在交投融合、乡村振兴等国家战略性领域开创技术创新平台及转化途径，形成功能性系统，助力相关产业，为地方社会经济发展提供定制产品，贡献铁路智慧。

“Special Project”. We advance the application of “Intelligent Information Technology” in the railway industry, carry out innovative applications and industrial transformation in strategic fields such as the integration between transportation and tourism, rail revitalization, explore emerging markets, and develop related industries. We also contribute the wisdom of CRA to providing customized products for local social and economic development.

[37]
编织大地经纬
赋能新形象

作为世界基建领域最具优势的全产业链建设者之一，中国铁建坚持创新驱动激发内生动力，以高品质的卓越建造，筑牢安全基石夯实发展之路，助力时代发展和文明进步。

As one of the constructors covering the whole infrastructure building industry chain with the greatest strengths, CRCC stimulates growth through innovation, builds a solid safety foundation for development with high-quality and excellent construction, and contributes to the progress of our times.
建设可持续基础设施

BUILDING SUSTAINABLE INFRASTRUCTURE

中国铁建充分发挥产业链协同优势，以安全、高效、绿色、经济的建造方式，打造国之重器，参与建设重大交通和枢纽工程，为全球可持续交通贡献智慧和力量。

Leveraging the synergy of the whole industry chain, CREC produces China’s major equipment in a safe, efficient, green, and economical manner and builds major transportation and hub projects, which contributes CREC’s wisdom and strength to global sustainable transportation.

我们加快培育和发展先进制造业，突破一批战略性、颠覆性、前沿性、全局性的重大、关键技术，打造国重器，掀起高质量发展的“引擎”。

We have accelerated the development of advanced manufacturing industries, made breakthroughs in strategic, forward-looking, and cutting-edge technologies of great significance, and built major equipment to support high-quality development.

超级重器“晶华号”盾构机赋能绿色施工

Super-machine – “Jinghua” shield machine empowers green construction

“晶华号”盾构机由中国铁建重工集团有限公司、中铁十四局集团有限公司联合研制，最大开挖直径达到16.67米，整机长150米，总重量4300吨。一次性开挖隧道断面之大、长度之长，是中国迄今研制的最大直径盾构机。在北京市大环改造工程建设中，该机配备了常压换刀、伸缩主驱动等多项核心技术，创新搭载了多种新型系统装置，使高精度、高风险、高污染的隧道掘进作业转变成相对安全、高效的绿色施工模式。

The “Jinghua” shield machine is jointly developed by China Railway Construction Heavy Industry Group Co., Ltd. and China Railway 14th Bureau Group Co., Ltd. with a maximum excavation diameter of 16.67 meters, a length of 150 meters, and a total weight of 4,300 tons. Its excavation can reach a depth that roughly matches the height of a six-story building. It serves as the largest-diameter shield machine developed in China so far. In the reconstruction project of Beijing East Sixth Ring Road, the equipment is equipped with several core technologies such as atmospheric pressure tool change and flexible main drive with a variety of new system devices, making demanding, risky, and polluting tunneling operations relatively safe, efficient, and green.

“昆仑号”架桥机入选央企2021年度“十大国之重器”

“Kunlon” bridge girder erection machine is selected as the “top 10 national major equipment” of central SOEs in 2021

中国铁建研制的世界首台千吨级架桥机——“昆仑号”，是目前中国功能最全的高铁桥梁施工设备。集提梁、运梁、架梁于一体，较以往架梁机作业效率提升一倍的投入成本。“昆仑号”不仅可满足24米、32米、40米不同跨度的高铁箱梁施工工艺，更具有智能化程度更高，应用场景更广等特点，对未来中国高铁建设具有划时代意义。标志著中国高铁施工在技术与装备上实现重大提升。2021年6月，“昆仑号”在新建福厦至厦门高铁湄洲湾跨海特大桥运用。

Kunlon, the world’s first 1,000-ton bridge girder erection machine developed by CREC, is the most comprehensive high-speed railway bridge building equipment in China. It combines lifting, moving, and installing girders, saving half the costs when compared with conventional bridge girder erection machines. Kunlon can help build box girders of high-speed railways in different spans of 24 meters, 32 meters, and 40 meters and solve the problems in bridge erection and power supply coordination under special conditions, with a higher degree of intelligence and more application scenarios. It is a milestone-making significance for China’s high-speed railway construction, marking that China’s high-speed railway construction has significantly improved technology and equipment. In June 2021, Kunlon was put into use on the newly-built Fuzhou-Xiamen high-speed railway Meizhou Bay bridge.
### 参建重大工程
**Building Major Projects**

公司以高水平的基础设施投资、设计、建设和运营能力，承担重大基础设施建设，开疆拓土，实现战略目标。

With high-level performance in infrastructure investment, design, construction, and operation, we undertake major infrastructure construction projects to explore overground and underground spaces.

#### 2021

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### 案例
**Case Study**

#### 世界最长沙漠高速公路全线通车
**The longest desert expressway in the world opened to traffic.**

2021年6月，G7京新高速公路全线通车，从北京到乌鲁木齐高速公路里程缩短至1800余公里。这条世界上最长的沙漠高速公路，穿越戈壁沙漠，全长2565公里，由中国铁建投资建设并运营，主线路采用双向四车道，设计时速120公里。中铁十六局集团有限公司建设者们克服了狂风、沙尘暴等恶劣天气条件的考验，确保优质完成相关路基和路面任务。

In June 2021, the entire G7 Beijing-Xinjiang expressway opened to traffic, shortening the Beijing-Urumqi highway to more than 1,200 kilometers. This is the world’s longest desert expressway. The construction was completed by China Railway 16th Bureau Group Co., Ltd. The project was designed to meet the needs of high-speed traffic on a two-lane highway suitable for designed speed of 120 kilometers per hour. The construction faced challenges such as sandstorms and extreme low temperatures, but the workers persevered and completed the project to the satisfaction of all stakeholders.

#### 助力西藏首条电气化铁路开通
**Helping build Tibet’s first electrified railway.**

2021年6月，西藏首条电气化铁路——拉林铁路（拉萨-林芝）正式开通运营。拉林铁路全长2565公里，其中桥梁1244座，隧道70座，桥隧比达74.66%，16次跨越澜沧江，工程难度极大的。中国铁建全体员工全速推进，确保按期开通。取消多项施工难题，再次书写信守承诺。

In June 2021, Tibet’s first electrified railway, the Lhasa-Nyingchi Railway, was opened to traffic. The railway, located in the high-altitude area of the Qinghai-Tibet Plateau, has a total length of 2565 kilometers, including 1244 bridges and 70 tunnels. The bridge-tunnel ratio is as high as 94.66%. It has 16 crossings over the Yarlung Zangbo River. Against all odds, all the construction staff of CRCC has overcome many construction problems, making it a possible success.
案例 case

### 动力白鹤滩水电站项目按产发电

Helping the Baihetan Hydropower Station Project put into operation and generate electricity

白鹤滩水电站是当今世界在建规模最大、技术难度最高、单机容量160万千瓦，是实施“西电东送”的国家重大工程。中国铁建下属单位自2012年起先后承建水电站多项环保、服务及保障工程，为超级工程编织了一张多维度严密组织运行保障网。2021年6月，白鹤滩水电站首批机组正式投产发电，标志着我国大型水电工程建设完成从“中国制造”到“中国创造”的历史性跨越。

Baihetan Hydropower Station is the largest and most technically demanding hydropower project under construction in the world and a major project under the West-East Electricity Transfer Project, with a total installed capacity of 16 million kilowatts. Since 2012, subsidiaries of CIRCE have been building several projects of the Hydropower Station in comprehensive environmental protection, service, and Guarantee, laying a multi-dimensional and rigorous foundation for the super project. In June 2021, the first units of Baihetan Hydropower Station were put into operation, marking a historic leap from "Made in China" to "Created in China" in the construction of large-scale hydropower projects in China.

### 建设新型基建

Building New Infrastructure

公司以科技创新为支撑，以绿色、智慧、创新、示范理念，将BIM技术、5G技术等应用于重大工程之中，构建数字经济时代的关健基础设施，推动实现经济社会数字化转型。

Supported by information technology and guided by the concept of green development, intelligence, innovation, and demonstration, we apply BIM technology and 5G technology to major projects, build key infrastructure in the digital economy era, and promote digital transformation.

### 助力国内首条一次性开通里程最长、全自动驾驶等级最高的轨道交通过开通运营

Enabling the opening and operation of the first domestic rail transit line with the longest mileage of single operations and the highest level of fully autonomous driving

中国铁建多家下属单位承建上海轨道交通15号线，作为效率比传统方式高出近60%。15号线从初步设计阶段就采用BIM技术建立了车站、区间、车辆基地等工程模型，并最终形成以竣工BIM模型为中心的工程数字化资产库，为基于BIM技术的运营管理奠定数据基础。上海轨道交通15号线于2021年1月开通运营，全线设有智能运维系统，车辆运营状态将实时传输至运营平台，实现全自动驾驶，打造城轨列车智能运维新模式。

Several subsidiaries of CIRCE participated in the construction of Shanghai Metro Line 15. The operation efficiency increased by nearly 60% compared with conventional methods. Since the preliminary design stage, BIM technology had been adopted to establish engineering models of stations, sections, and vehicle bases. Finally, an engineering digital asset library based on the completed BIM model was formed, laying a data foundation for BIM-based operation and maintenance. Shanghai Metro Line 15 was put into operation in January 2021. The entire line was equipped with an intelligent operation and maintenance system that sent operation status to the operation and maintenance platform in real time, enabling fully autonomous driving and creating a new model of smart operation and maintenance of urban railways.
案例

全国首例跨长江悬索桥5G网络建成
**Building China’s first 5G network for a suspension bridge across the Yangtze River**

芜湖长江大桥是中国首座跨江两用悬索桥，世界首座高速铁路悬索桥。中核上海设计院集团有限公司参与设计的芜湖长江大桥5G公网覆盖工程，该工程会为今后推动对桥梁的网络验收测试，通过实测“每秒5G速率”将提升20倍。预计到2026年，每平方公里可连接1万座设备，标志着芜湖首例跨江悬索桥5G网络建成。这标志着连续高港实现5G网络覆盖。

Wuhu Yangtze River Bridge is China’s first dual-use suspension bridge and the world’s first high-speed railway suspension bridge. China Railway Shanghai Design Poyryte Group Co., Ltd. designed the Wuhu Yangtze River Bridge 5G public network. All indicators of the project passed the operator’s network acceptance test. Compared with 4G, the network speed measured on site increased 20 times and the minimum delay was only 2 milliseconds. It could connect 1 million devices per square kilometer, marking China’s first 5G network across the Yangtze River suspension bridge and covering the Wuhu-Hangzhou high-speed railway with a 5G network.

案例

无锡中亿建基研发创新产业园开工
**Wuxi CRCC New Infrastructure R&D and Innovation Industrial Park breaks ground**

2021年12月，无锡中亿建基研发创新产业园开工，以争创国家级装配式示范基地、装配式建筑领域的“灯塔工厂”为目标。其中，建筑工业化实验室和研发基地是绿建体系化模架及预制构件，全面实现四区智慧用电，无人运输、智慧消防和水资源循环利用；数字工厂打造建筑产业链智能化物理和数字平台，引领建筑工业化产业链集群化发展。

In December 2021, Wuxi CRCC New Infrastructure R&D and Innovation Industrial Park broke ground, aiming to become a national-level prefabricated demonstration base and a “lighthouse” in prefabricated buildings. The industrialized construction experimental area created four main production lines such as the first board-type three-dimensional space manufacturing demonstration line and a green concrete intelligent distribution center and fully realized smart power consumption, unmanned transportation, intelligent connection, and water recycling in the park. The digital valley launched five major products including an intelligent construction service platform for the industrial chain to drive the development of industrialized construction clusters.

### 培育品质发展向心力

**FOSTERING QUALITY DEVELOPMENT**

“品质提升年”是我们的质量方针。中国铁建以大国工匠的品质追求，以标准化、智能化等手段应用于产品及服务质量提升，力求使每一项工程成为精品和经典，以过硬的质量和品牌化的追求，全方位打造“品质铁建”。

“Building quality projects” is our strategy. Pursuing quality with craftsmanship, CRCC standardizes and digitalizes products and services to improve their quality and make every project a masterpiece. Our commitment to quality helps us realize “High Quality CRCC”.

### 完善质量管理

**Improving Quality Management**

公司以品质作为衡量水平的重要标准，提高工程质量和科技创新能力，建立质量管理体系标准化工作机制，开展质量活动和创新能力。优化质量管理过程和质量文化，提升品质。

Regarding quality as an important measure of success, we improve the ability to control project quality and normalize the working mechanism for railway engineering redlines. We carry out special actions for quality activities and quality team activities to enhance the awareness of employees.
增强科技创新内驱力

EMPOWERING SCIENTIFIC AND TECHNOLOGICAL INNOVATION

中国铁建积极培育创新能力，以创新驱动发展，加强企业改革调整，不断提升，在新时代发展建设中取得经验和信心，坚定创新，促进国家和社会进步和人民福祉的实现。

CRCC fosters innovation by breaking down barriers, pooling strengths, and driving entrepreneurship to forge ahead. We are committed to standing ahead of the times and keeping innovation to meet the increasing needs of people and the country.

"推动数字化转型和发展智慧建造是顺应时代变革的必然选择，是贯彻落实中央重大决策部署、践行数字中国战略的应有之义，是推动企业高质量发展迫切需要。"

——中国铁建总裁，党委副书记，执行董事，党组书记

我们以质量为本、客户为先，为在为客户提供优质的过程中，以客户的需求为核心，依托完整的产业链、完善的生产体系，为客户提供高品质、高价值的一站式服务，为客户创造更高价值。

We take quality and customers first. When providing products to customers, based on our strong delivery capabilities, we leverage our complete industrial chain and business structure to provide high-quality and high-value services and create more value for customers.

公司大力实施“科技兴企、科技强企”战略，确立数字化转型和智慧建造“2236”思路，加强科技创新能力建设，培育科技人才，推进科技成果转化，强化创新能力，专注科研和管理，技术创新能力显著提升。

Upholding the strategy of "Innovating and Strengthening Enterprises with Science and Technology", we set up the "2236" roadmap for digital transformation and smart construction, strengthen the scientific and technological innovation management system, and train professionals. We also translate scientific and technological achievements to empower our production and foster special and unique advantages to improve our technical innovation.
公司出台“十四五”科技创新发展规划，构建“国家+省部级+公司级”科技创新平台体系，以企业为主体、多方力量联合的创新模式不断完善，创新潜力稳步提升。2021年，认定并授牌中国铁建工程实验室（研究中心）7个。

我们实施的Scientific and Technological Innovation Development Plan 2021-2025 to build a “National + Provincial + Company-Level” innovation platform system. The innovation model with enterprises as the major players and joined by multiple stakeholders has been improved to boost our innovation capabilities. In 2021, we certified seven China Railway Construction Laboratories (RD&D Centers).

2021，我们的荣誉

- 国家科学技术进步二等奖5项，其中特等奖1项，参与5项
- National Science and Technology Progress Second Prizes, in which we presided over 2 projects and participated in 5 projects.

- 第二十三届中国专利奖金奖1项，银奖1项，优秀奖2项
- 23rd China Patent Awards, including 1 Gold Award, 1 Silver Award, and 2 Excellence Awards.

- 第十八届中国土木工程詹天佑奖11项，占获奖工程总数量的三分之一
- 18th China Jiamianchu Award, accounting for one third of the total prizes awarded.

- 省部级科学技术奖87项
- Provincial and ministerial science and technology awards.

- 省部级勘察设计咨询奖341项
- Provincial and ministerial survey and design consultation awards.

- 新增省级工法318项
- Provincial-level certified construction methods.

- 授权专利6638件，其中发明专利16件，实用新型723件
- 6,638 authorized patents, including 16 invention patents and 723 utility models.

- 累计拥有专利26696件，其中发明46件，实用新型3741件
- 26,696 patents in total, including 46 inventions and 3,741 utility models.

- 共承担和参与的国际标准3项，国家标准12项，行业标准11项，地方标准51项，团体标准42项
- Leading or participating in the drafting of 1 international standard, 13 national standards, 11 industry standards, 51 local standards, and 42 group standards.

案例 Case

中国专利奖——隧道式掘进机
China Patent Gold Award – Tunnel Boring Machine (TBM)

中国铁道建筑集团有限公司“隧道式掘进机”（TBM）发明专利荣获中国专利金奖，解决隧道施工中的大直径、高地应力双层套管盾构用于长距离、大坡度的长大隧道掘进的刀盘曲折易卡、螺旋易缠绕的国际性难题，攻克“停不掘、掘不快、堵不平”全球TBM行业公认的三大技术难题，荣获国家TBM“从无到有”“从有到优”。

The TBM patent of China Railway Construction Heavy Industry Group Co., Ltd. won the China Patent Gold Award. The machine solves the problems of stuck shields and collapsed tunnels caused by the shrinkage of the hole diameter when there is a large burial depth and high ground stress. Moreover, the three globally recognized technical issues in TBM of "stopped support, slow excavation, and shaky foundation", making the first domestic TBM possible.

培育科技人才
Training Scientific and Technological Talents

公司聚焦新时代发展，持续完善科技人才培养机制，成立中国铁建规模最大创新工作室联盟——“城市轨道交通专业劳动和工匠人才创新工作室联盟”，形成人才共建共享的培养保障体系，全方位打造科技人才培养良好环境。

With an emphasis on new development in the new era, we continue to improve the talent growth mechanism by establishing the China Railway Construction's largest innovation studio alliance – "Urban Rail Transit Professional Skills Development and Craftsmen Innovation Studio Alliance". It guarantees joint training and sharing of talent and creates a good environment for the development of scientific and technological professionals in an all-round way.

2021年，公司科技投入202.5亿元，拥有国家级创新中心23家，博士后科研工作站24家，中国工程院院士1人，国家勘察设计大师1人，“万人计划”青年科技创新领军人才1人，“万人计划”青年拔尖人才1人，京剧大师张学津弟子张学文1人。中铁第四勘察设计院集团有限公司以设计创新工作室被命名为第三代全国示范性劳动模范和工匠人才创新工作室。

In 2021, we invested RMB 20.25 billion in science and technology. We now have 23 national-level innovation platforms, 24 post-doctoral research platforms, one academician of the Chinese Academy of Engineering, 21 national survey and design masters, and one young and middle-aged innovation champion in the "Ten Thousand Talents Plan", one young top-notch talent in the "Ten Thousand Talents Plan", and 26 experts entitled to special allowances from the State Council. Qio Shengfeng Innovation Studio of China Railway SBWAN Survey and Design Group Co., Ltd. was listed among the third national demonstration model workers and craftsmen innovation studios.
案例: 再获北斗创新创仕大奖金奖

 Winning the second prize in the Star Innovation and Creativity Competition

Beidou Innovations and Technology Group Ltd. (Beidou), a subsidiary of China Railway Fifth Survey and Design Institute Group Co., Ltd., won the second prize in the 3rd Central SDI Star Innovation and Creativity Competition, with a total of 28 cases recognized as Top 28 special cases of Beidou application by central SDI in 2020. The Beidou Initial navigation small car was developed by the China Railway Fifth Survey and Design Institute Group Co., Ltd. and Wuhan University. All core sensors are sourced at home, which is of great significance to the application of Beidou and the construction of high-speed railways.

案例: 推动重大科研项目落地生根

 Applying major scientific research projects

2021年，公司实施了科研成果转化项目12项，实现了6项省级以上课题研究成果转化。

We took the lead in undertaking 12 national key R&D projects under research and over 40 national and provincial research projects with smooth progress.

案例: 推动成果转化

Translating Innovation Outcomes

公司以科研成果转化为主线，聚焦隧道施工、轨道交通等领域，加大关键核心技术攻关力度，攻克核心技术，实现公司创新活力与高质量发展双提升。

Prioritizing the application of scientific research outcomes, we focus on tunnel construction, rail transit, and other fields, intensify research on core technologies, and stimulate the company’s innovation and development potential.

案例: 开展高压富水长大铁路隧道修建关键技术及工程应用

 Applying key technologies for the construction of high-pressure and water-rich long railway tunnels

2021年，公司实施了科研成果转化项目12项，实现了6项省级以上课题研究成果转化。
提升安全生产竞争力

IMPROVING WORK SAFETY COMPETITIVENESS

中国铁建秉承“生命至上、预防为主”的安全发展理念，持续完善安全生产管理体系，落实安全生产责任，强化安全风险识别，加大隐患排查整改力度，推动实现高质量安全发展。

Following the work safety concept of “life first, precaution crucial”, CCRCC continues to improve the work safety management system, deliver work safety responsibilities, and identify and remove safety risks to realize high-quality and safe development.

完善管理体系

Improving the Management System

公司完善安全生产责任体系，按照“党政同责、一岗双责、齐抓共管、失职追责”和“三管三必须”原则要求，制定企业安全生产主体责任清单、部门安全生产责任清单和岗位安全生产责任清单，加强对考核，修订与制定一系列制度办法，抓好本级项目的安全管理工作，持续推进安全生产精细化管理。

We improve the work safety responsibility system. Following the requirements of “the Party and the management sharing the same responsibility, two types of responsibilities for one post, joint management, and holding negligence accountable” and “three musts for three types of management positions”, we formulate the responsibility list of work safety for different subsidiaries, departments, and positions, and strengthen supervision and assessment. We also revise or put forward new measures, maintain sound safety management for projects, and continue to promote delicacy management of work safety.

2021

安全生产投入158.727亿元
A total of RMB 15.8727 billion was invested in work safety.

安全生产教育培训27980人次
27,980 participants in work safety training.

分包安全管理精细化

Delicacy management of subcontracting safety

公司高度重视分包安全管理，总结分包安全管理实践经验，研究制定《分包安全管理实施办法》，将分包商安全管理细化为分包商选择、过程管控、考核评价及结果应用四个环节，一方面在分包安全管理的关键环节和一般安全防范措施、规范分包安全管理行为，另一方面将分包安全管理评价与分包商信用及考核奖罚措施紧密结合，促进分包商履职尽责，加强自主安全监管。

With an emphasis on the management of subcontracting teams, we summarize the best practices in subcontracting safety management and develop the Subcontracting Safety Management Measures. Subcontractor safety management is divided into four aspects of subcontractor selection, process control, assessment, and outcome application. We add a risk prevention “valve” to the key link of subcontracting safety management and standardize safety management of subcontracting. Meanwhile, the safety performance of subcontractors decides the selection of subcontractors and the rewards and punishments, urging subcontractors to perform their duties and strengthen independent safety management.

召开安全生产工作会议、安委会专题会议等会议20次；未发生重大生产安全事故，安全生产形势总体稳定。

10 meetings on work safety or by the safety committee were held. Without any major work safety accidents registered, the whole situation is good.
加强科技兴安
Enabling Work Safety through Science and Technology

公司持续加强科技支撑和安全生产技术投入，积极开拓和实践预防、人员防护、设备设施防护、人因行为控制、环境及灾害监控等创新活动，主动研发采用更加先进的、更加可靠的技术、新工艺、新设备和新材料，提高自主安全能力，本质安全水平进一步提升。

We continue to ramp up technological support and investment in work safety technology, carry out innovative activities to improve on-line protection, personnel protection, equipment and facility monitoring, personnel behavior monitoring, geological and environmental monitoring, and develop or adopt more advanced, safer, and more reliable technologies, techniques, equipment, and materials to improve our performance in work safety and the foundation of work safety.

落实安全行动
Implementing safety Actions

公司扎实开展安全生产专项整治三年行动和安全检查，着力解决安全生产重点难点问题，努力企业本质安全发展。加强安全教育和技能培训，促使全员提升安全意识，严守安全底线。2021年，公司参加第三届全国应急普法知识竞赛活动线上答题人员达30余万人，获得“优秀奖”。

We advance the three-year campaign of special rectification of worksafety and safety inspections and solve difficult issues in work safety to lay a solid foundation for high-quality development. We also strengthen safety awareness education and safety skill training to improve employees’ skills and urge them to follow work safety standards. In 2021, 340,000 employees participated in the 3rd National Emergency Law Knowledge Competition and won the "outstanding award."

案例
Case

主动防护系统保安全
An active protection system to ensure safety

中铁十一局集团有限公司创新采用临近既有线施工防护预埋探测器系统，一旦有人或车辆进入警戒区域就会自动报警，有效阻止人员进入，做到精准防范。

China Railway No.11 Bureau Group Co., Ltd. adopts the intrusion detection system near the existing construction site. Anyone breaking into the warning area will automatically trigger an alarm, which prevents people from the outside and realizes accurate prevention and control.

案例
Case

科技创新赋能隐患排查
Hidden danger investigation empowered by technological innovation

中铁建工公司旗下“互联网+”融入项目管理，将国家级高新技术企业及北京市企业技术中心双认证，其智能巡检机器人实现了集成图像采集、红外成像仪和环境感知设备，即使晚上也能“看”清周围环境，可24小时按照既定路线进行定时巡航，通过手机、电脑实时查看高清影像，动态实施科技创新赋能隐患排查。

Beijing Zhongtianjian Installation Engineering Co., Ltd. adopts “Internet+” into project management, and has been certified as a national high-tech enterprise and a Beijing enterprise technology center. Its smart inspection robot is equipped with integrated image acquisition, infrared thermal images, and environmental perception equipment. It can “see” the surrounding environment even at night and have regular inspections according to the planned route all day. Users can view high-definition images in real time through mobile phones and computers, which shows that scientific and technological innovation helps investigate hidden dangers.

筑牢现场安全防线
Solidifying the on-site safety line

中国铁建国际集团有限公司阿尔及利亚比卡风电项目根据当地法律法规，对工程开工条件、作业不安全行为、安全作业纪律等四个方面，加强现场安全管控，规范作业人员安全行为。项目自开工以来，累计安全生产100万工时。

The Beira Power Plant Project in Algeria developed by China Railway Construction Corporation (International) Limited complies with 12 golden rules of safety management in accordance with local laws and regulations, combined with the actual situation of the project. From pre-construction permits, work safety conditions, prevention of risks, and work safety disciplines, the project enhances on-site safety management and standardizes operations. The project has accumulated one million working hours of safe operations since the start of construction.
清洁绿色低碳

GOING CLEAN, GREEN, AND LOW-CARBON TO CREATE A NEW ECOLOGY

中国铁建以习近平生态文明思想为指导，以服务“双碳”目标为己任，倡导“绿色工程”理念，建设资源节约型和环境友好型企业，履行环境保护责任，以实际行动推动环境可持续发展。

Guided by Xi Jinping Thought on ecological civilization, CRCC serves China’s 30-60 Decarbonization Goal by advocating the concept of green engineering, making ourselves a resource-saving and eco-friendly enterprise, and fulfilling our environmental protection responsibilities. These practical actions promote environmental sustainability.
完善环境管理

IMPROVING ENVIRONMENTAL MANAGEMENT

中国铁建始终贯彻绿色发展理念，健全环保管理体系，完成“十四五”节能减碳和环境防护目标。指标分为：推进项目现场节能环保六个方面21条标准完善管理体系，提升管理标准化水平，组织环保问题整改排查，召开项目管理人员会，持续提高环保技能10315次，整改完成率100%。

Following the concept of development, CRCC improve the environmental protection management system and set up the goals and indicators in energy conservation, emission reduction, and environmental protection for the 14th Five-Year Plan period. We have also list 82 standards in six aspects of on-site energy conservation and environmental protection and standard management level. We conduct large-scale inspections of environmental protection problems, hold problem supervision meetings, and identify and rectify environmental risks, all of which have been removed.

我们通过开展各类分类、植树造林、环保公益活动等，向员工普及环保知识及信息，不断提升环保意识，为低碳发展注入绿色新活力。

By carrying out waste sorting, afforestation, and environmental protection non-profit activities, we teach employees environmental knowledge and information, improve their environmental protection awareness, drive green and low-carbon development.

| 2021 | 公司环保总投入277352万元，未发生环境污染事件，未发生火灾及以上的通报批评，未发生投掷举报现象。 |
|  | our total investment in environmental protection reached RMB 277,352 million. No environmental pollution incidents, no punishments at the provincial and municipal level and above, and no complaints or reports have been registered. |

案例 case

首个EOD研究中心正式成立

The first EOD research center was established

中国铁建首个生态环保项目开发（EOD）研究中心。该中心将直接服务“生态+”产业布局，通过聚焦EOD的新型、新场景、新动力、新科技、新模式创新商业模式，有效推动以往高耗能、高污染的生态环境治理项目，与收益较好的关联产业进行有机融合和一体实施，助力中国铁建进一步打造“资源变资产、资产变资本”的生态价值转换路径。

CRCC has established the first ecologically-oriented development (EOD) research center. The center serves the “ecology +” business structure and brings together new ideas, models, driving forces, and technologies of EOD. By exploring innovative business models, the center effectively integrates environment governance projects that are for the public’s good but not profitable with related industries that have better returns, helping CRCC turn “resources into assets, assets into capital.”

贡献“双碳”目标

CONTRIBUTING TO CHINA’S 30-60 DECARBONIZATION GOAL

中国铁建成立以公司两级主领导为组长的“碳达峰、碳中和”工作领导小组，指导“双碳”工作。我们定期检查、监督和考核，不断提高绿色运营能力；我们小组下设办公室，办公室设置运营管理部门，公司领导认识到“碳达峰、碳中和”总体目标在的未来发展空间，深耕厚植“绿色环保”产业板块，贡献“双碳”目标。

CRCC has established a “carbon peak and carbon neutrality” task force headed by two managers to guide the targeted implementation. We also conduct inspections, supervision, and assessments on time and improve green operation capabilities. Under the leadership of our two leaders, the task force in turn sets up the operation management department. We are aware of huge opportunities brought by “carbon peak and carbon neutrality” and intensify efforts in the environmental protection sector to contribute to China’s 30-60 Decarbonization Goal (China strives to peak carbon dioxide emissions by 2030 and achieve carbon neutrality by 2060).

| 2021 | 公司能源消耗总量为589.26万吨标煤 |
|  | Our energy consumption reached 589.26 million tons of coal equivalent. |
| | 企业万元产值收入综合能耗（可比价）为0.0631标煤 |
|  | Comprehensive energy consumption (comparable price) per RMB 10,000 revenues stood at 0.0631 tons of coal equivalent. |
|  | 二氧化碳排放总量为932.76万吨 |
|  | Carbon dioxide emissions were 932.76 million tons. |

优化制度治理，贡献“双碳”目标

Optimizing institutional governance to contribute to China’s 30-60 Decarbonization Goal

中国铁建重工业集团有限公司制定“十四五”期间碳排放总量，万元产值综合能耗指标分别为下降18%、14%的目标。编制“碳达峰、碳中和实施方案的通知”，为实现“碳达峰、碳中和”目标，提出了制度保障和技术选择方案。2021年，光伏发电405.63万千瓦，折合节约标煤406万吨。减少碳排放272万吨，二氧化碳排放总量同比降低4.19%。

China Railway Construction Heavy Industry Group Co., Ltd. has set the goal of reducing carbon emissions and comprehensive energy consumption per RMB 10,000 output by 18% and 14% respectively for 2021-2025 period. The Notice on the Implementation Plan for Carbon Peak and Carbon Neutrality has been compiled, offering policy guidance and technical options for realizing the decarbonization goal as scheduled. In 2021, photovoltaic power generation reached 4.063 million kWh, equivalent to saving 406 tons of coal equivalent and reducing carbon emissions by 272 tons. Total carbon dioxide emissions decreased by 4.19% year-on-year.
**案例 Case**

### 开展绿色施工

**CARRYING OUT GREEN CONSTRUCTION**

中国铁建推行“生态建筑、绿色施工”理念，建立完善安全文明施工的相关制度，注重科学管理和创新技术，把“节能、节水、节材和节地环保”贯穿于施工全过程，最大限度地节约资源，减少对环境负面影响。

Guided by the concept of “eco-friendly BECC and green development”, BECC establish and improve relevant policies focusing construction, value science-based management and innovation technology, and incorporate “energy saving, land saving, water saving, material saving, and environmental protection” throughout project construction to maintain resources saving and minimize environmental impact.

#### 2021

- **公施项目** 67个
  - 绿色施工示范工程
    - 总投资：22,431万元（含）
    - 招标金额：10,773万元（含）
    - 设备：22,431万元不同类型的设备
      - 设备数量：10,773台（套）
      - 设备重量：48,742吨
      - 设备项目质量：总质量：29,765.37万吨

#### 尘土污染控制

**Dust control**

现场主要道路采用硬化铺设。设置车辆清洗台，场区道路采用全幅热熔稀沥青水稳、绿化等措施。保持湿润无扬尘，非行车道路无尘飞扬。

- **沥青混凝土**
  - 沥青混凝土施工质量：总质量：29,765.37万吨

#### 噪声污染控制

**Noise control**

施工噪声控制在规定范围内，定期做好噪声监测，并形成报告。使用低噪声机械设备，因特殊情况需要连续作业时，严格控制人为施工噪声。

The construction noise is controlled within the specified range, monitored, and recorded. Low-noise machinery and equipment are used. In case of special requirements, noise levels are strictly prevented when continuous operation throughout the day is needed.

#### 有害气体污染控制

**Harmful gas control**

施工现场严禁焚烧各类废弃物。施工车辆、机械设备的尾气排放应符合国家和地方和国家的规定排放标准。

It is strictly forbidden to incinerate various types of waste at the construction site. Exhaust emissions from construction vehicles and equipment must comply with national and local emission standards.

#### 光污染控制

**Light pollution control**

合理安排工作时间，尽量避免夜间施工。夜间施工合理调度灯光照明方向，在保证作业面有足够光线的前提下，减少对周围居民正常生活干扰。

We arrange reasonable work shifts and avoid construction at night. During operations at night, lights are adjusted to ensure enough lighting while reducing the impact on nearby residents.

### 案例 Case

#### 中国北方最大海上风电项目主体工程完工

**Completing the main part of the largest offshore wind power project in northern China**

2021年，由中国铁建港航局集团有限公司承建的中国北方大型海上风电场H35#项目最后一台风机安装顺利完成，标志着中国北方单体容量最大海上风电场首个阶段主体工程全部完工。项目运用大型起重船舶，大型远距离机器人施工，并积极开展科技创新，改进施工工艺，确保顺利并网并发电。为今后海上风电发展奠定坚实的基础。

In October 2021, the last wind turbine of the H35# section of the Qidong offshore wind power project undertaken by BECC Harbour and Channel Engineering Bureau Group Co., Ltd. was installed, marking the completion of the main section of the offshore wind power project with the largest single-capacity in China. The company adopts large cranes and large transport ships, advanced technology innovation, and improves construction technology. It sets a new record of hoisting wind turbines during winter in the South China Sea, laying a solid foundation for the project to be connected to the grid for power generation as scheduled.

#### 全力打造海上风电项目

**Building the offshore wind power project**

2021年10月，由中国铁建港航局集团有限公司承建的中国北方大型海上风电场H35#项目最后一台风机安装顺利完成，标志着中国北方单体容量最大海上风电场首个阶段主体工程全部完工。该企业运用大型起重船舶，大型远距离机器人施工，并积极开展科技创新，改进施工工艺，确保顺利并网并发电。为今后海上风电发展奠定坚实的基础。

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案例 Case

成立水处理技术研究中心

Establishing a water treatment technology research center

中铁建设集团有限公司联合中国市政工程华北设计研究总院及北京工业大学城镇污水深度处理与资源化利用技术研发国家重点实验室，共同组建成立公司技术创新中心“创新+研发”平台。企业针对城镇污水处理问题的深度处理与资源化利用技术研发，为保护生物多样性，促进水资源的可持续利用，提供了强有力的技术支撑。2021年，公司累计投入费用100%实现财务化。

Biodiversity sustains human survival and development. CREC strictly abide by the laws of the place where our projects are located, enhance environmental protection, and restore the ecology to ensure the sustainable use of land and support the reproduction of protected species with practical actions. In 2021, 100% of the Company’s temporary construction sites were restored or greenned.

案例 Case

直击污染防治，筑就美好生活

Preventing and controlling pollution to build a better life

成昆铁路是西南地区重要的铁路干线，也是我国“三纵五横”铁路网中的一段。中铁二十一局集团有限公司在施工过程中，在靠近居民区作业时，优化作业工序，调整作业时间，对施工噪音进行有效控制，减少施工对周边居民的影响。在施工中，选择当地乡土植物群落，与当地环境相融合。同时对施工剩余材料进行回收利用，实现资源的可持续发展。

The Chengdu-Kunming Railway, an important railway line in southwest China, serves as a vertical line in China’s railway network. During the construction, China Railway 21st Bureau Group Co., Ltd. optimized the operation, adjusted the schedule, and installed noise-reducing equipment for the ventilators to reduce noise caused by the construction to nearby residents. Local plant species were adopted with a combination of flowers, grass, shrubs, and trees to green the slopes, tunnel gales, red lines under bridges, and river banks. Meanwhile, the waste field was replanted with commercial crops or grass seeds to restore farming and greening, which was received by the local government and villagers.

案例 Case

与象相伴同行

Protecting wild Asian elephants

中铁建设集团有限公司承建的中老铁路（磨憨）万（象）段、玉（溪）磨（腮）及新建成都至兰州铁路，助力中老铁路早日开通。磨憨段所在区域位于云南省西双版纳傣族自治州亚洲象自然保护区附近，项目团队对亚洲象的分布及其活动影响等内容进行了专项研究，为中老铁路的建设提供了有力的保障。

CREC built 12 new stations in the Minxian-Baole section and the Yuxi-Mianzhu section of the China-Laos Railway, ensuring that the Railway was opened as scheduled. The Honghe Railway Station of the Minxian-Baole section is located near the Asian Elephant Nature Reserve in Xishuangbanna, and the Yuxi-Mianzhu section is near the Asian Elephant Nature Reserve in Xishuangbanna. The project team investigated the distribution of wild Asian elephants and their migration routes, analyzed the impact of construction on their activities and migration corridors, and strictly implemented environmental protection policies. The construction scope was limited with the construction site closed and roads hardened. Roadside grass and bare ground were covered with grass mats or plants with grass and flowers to reduce the impact on the living environment of wild Asian elephants.
合力同行共赢
展现新活力

WORKING TOGETHER FOR WIN-WIN OUTCOMES AND NEW VITALITY

中国铁建厚植共同利益观，致力于做最可靠的合作伙伴。在奔赴世界一流的进程中，与各利益相关方共享发展成果，共创美好未来。为构建互惠共赢的产业生态圈而不懈奋斗。

Committed to common interests, we aim to be the most reliable partner. As we strive to become a world-class company, we share the development benefits with stakeholders to create a better future and a mutually beneficial and win-win industrial ecosystem.

69. 法治风控体系有效运行
   Working an Effective Legal Risk Control System

72. 促进区域协同发展
   Promoting Regional Coordinated Development

79. 深化合作交流
   Deepening Cooperation and Exchanges

82. 彰显海外担当
   Acting Responsibility Abroad
法治风控体系有效运行
RUNNING AN EFFECTIVE LEGAL RISK CONTROL SYSTEM

中国铁建健全全面覆盖的“大风控”“大监督”工作体系，整合资源、注重过程、同防共治、防范和化解重大风险。牢牢守住不发生重大风险底线，合规运营，为合规同行奠定基础。

CRCC has established a comprehensive system of “big risk control” and “big supervision”, integrated resources, and focused on processes. Our concerted efforts help prevent and resolve major risks. We also run business in compliance, laying the foundation for cooperation.

合规运营
Compliance

2021年中铁二十一局集团法律合规专题培训
2021年中铁二十一局集团法律合规专题培训

公司持续优化具有中国铁建特色的“1+15”合规管理体系，将合规管理要求贯穿于中国铁建“十四五”发展战略中，建立完善合规管理目标管理体系，为合规同行奠定基础。

We continue to optimize the “1+15” compliance system with CRCC’s characteristics and full compliance requirements into CRCC Development Strategy and Planning 2021-2025. The CRCC management team is strengthened, covering subsidiaries at all levels. The four working mechanisms of compliance meetings, compliance reports, training and publicity, and consultation and reporting have been improved. We have also gradually established a compliance assessment working mechanism. Special compliance reviews have been rolled out and compliance policies are made more applicable. We focus on overseas compliance management, gradually improving the ability to prevent and control foreign-related compliance risks. We also vigorously develop a compliance culture and strengthen compliance awareness of all employees. Policies are established, adjusted, or revised conform to improve our rules and regulations.

风险管控
Risk Control

公司建立以法律管理为主、全方位、全过程、全员参与的合规风控体系和工作机制，开发风控信息系统，为风控体系和风控监督提供了信息技术支撑。以多种方式健全“大风控”体系与理念，使“大风控”理念深入人心。持续开展重大风险识别与调研工作，完成年度风险评估工作，针对重大风险建立监控和预警体系，督促落实重大风险风控和季度监测工作。

We have established a risk prevention and control system and working mechanism that focuses on legal affairs management and involves all staff in all aspects. We have developed a risk control information system with information technology for risk statistics. We also promote and implement the “big risk control” system and concept in various ways to make them well understood by employees. We also identify and monitor key risks and complete the annual risk assessment. A KPI monitoring system is established for major risks and major risk control and quarterly monitoring are implemented.

公司持续发挥政策指导和重大项目专项审计，实现设计咨询等重要业务板块审计全覆盖；全面构建职能监督和专项监督深度融合的“大监督”体系，实现监督资源一体化，推动企业治理体系和治理能力现代化。

We continue to evaluate policy measures and have special audits of major projects to achieve full audit coverage of major business sectors such as design consultation. We build a “big supervision” system that deeply integrates functional and full-time supervision and see that supervision goes hand in hand with accountability, modernizing the corporate governance system and governance capabilities.

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反腐倡廉

公司始终坚持正风反腐在路上，构建“不敢腐、不能腐、不想腐”的体制机制。持续加强党风廉政建设和反腐败工作，为企业改革发展营造风清气正的发展环境。

Committed to proper conduct and no corruption, we build a system ensuring that officials do not care, are not able, and ultimately have no desire to be corrupt and enhance Party conduct and clean governance, creating a clean environment for corporate reform and development.

长三角地区
Yangtze River Delta Region

长三角地区作为我国经济发达、开放程度最高、创新能力最强的区域之一，公司“访考”上海、浙江、江苏、安徽四省一市巡检评估。以客站建设和社会支持，持续服务大规模、高标准道路建设，努力提升基础设施互联互通水平，推动城乡区域融合发展和跨区域合作。

The Yangtze River Delta region, one of the most vibrant and open regions in China, is a hub of innovation. We serve cities and counties in Shanghai and the three provinces of Zhejiang, Jiangsu, and Anhui by building passenger stations and offering technical support. We continue to help the construction of large-scale and high-standard railways, improve infrastructure connectivity, and promote integrated urban and rural development and cross-regional cooperation.

加强教育培训，开展党风廉政教育10352人次，教育人数247216人次。

Strengthening education and training, 10,352 sessions of Party discipline and self-discipline covering 247,216 people.
在安徽“六线齐发”
Developing six railway lines in Anhui

中国铁建承建安徽至省会城市铁路项目，包含合安（含至省会合肥的合安-新站线）、合安至安庆、池黄铁路、合福铁路、杭黄铁路、沿江高铁（新慈湖-新庄）等，投资额预计超过1200亿元。这些铁路项目将为安徽省发展提供强大支撑。

CRCC builds key railway projects in Anhui Province, including the Hefei-Anhui-Guangdong railway, the Hefei-MeiShan-Guangzhou-Hong Kong railway, the Huaiyin-Nanjing-Hangzhou railway, the Hefei-Yangzhou railway, the Hefei-Suzhou railway, and the Hefei-Jiaxing railway, with a total investment of nearly RMB 120 billion. These railway projects will provide strong support for the development of Anhui Province.

京津翼地区
Beijing-Tianjin-Hebei Region (BTH)

多益案例

京津冀地区

公司在京津冀三地协同发展，成效显著，充分发挥产业链优势，创新融资手段，倾力倾情

京津冀协同发展，成效显著，充分发挥产业链优势，创新融资手段，倾力倾情

开篇环球影城哈利·波特魔法世界
Unveiling the Wizarding World of Harry Potter in the Universal Beijing Resort

历时861天，中铁建设集团承建的环球影城哈利·波特的魔法世界主题乐园工程于2021年1月竣工。项目团队不畏艰难，高效组织，确保安全、绿色、环保，最终成功完成环球影城的施工。开篇环球影城哈利·波特魔法世界，让游客体验哈利·波特的魔法，成为最受欢迎的主题乐园之一。

I took 361 days to complete the Wizarding World of Harry Potter in the Universal Beijing Resort, which passed the acceptance in January 2021. With tough arrangements, we made multiple measures to ensure safety and green construction. We implemented high-precision embedded parts, built high-precision structural floor, and finished the construction. Among one month, the basic structure of “Harry Potter and the Forbidden Journey” was finished. We also overcame the impact of COVID-19 to allow visitors to have an “Immersive” experience in the Wizarding World of Harry Potter. Since the park was opened, the Wizarding World of Harry Potter has become one of the most popular attractions.

洋吕铁路开工建设
Yangqu-Lu Railway started construction

2021年，与中铁第十四勘察设计院有限公司、中铁上海设计院有限公司等单位共同开展的洋吕铁路开工建设。洋吕铁路是充分发挥洋吕区位优势和资源优势，服务“长三角一体化”“长江经济带”国家战略的重要工程项目，是支撑国家沿海发展战略、支撑江苏沿江经济带建设的标志性工程，也是支撑我国铁路网发展和国家工业发展的重大项目。

In 2021, the railway connecting Yangqu to Lu is under construction by China Railway 14th Design Institute Co., Ltd. and China Railway Shanghai Design Institute Co., Ltd. The railway is a construction project that plays a significant role in the national development strategy of the Yangtze River Delta and the Yangtze River Economic Belt. The project is a major project that supports the national coastal development strategy, supports the construction of the Jiangsu Coastal Economic Zone, and supports the construction of the national railway network and industrial development.
世界最大跳台滑雪场馆群正式交付使用

The world’s largest ski jumping complex is put into use

随着冬奥会测试赛的正式完成，由中铁十六局集团有限公司承建的北京国家跳台滑雪训练科研基地正式交付使用，标志着世界最大跳台滑雪场馆群正式落成。中国中央电视台《新闻联播》《东方时空》《新闻周刊》《新闻直播间》等栏目连续3次滚动播报，《工人日报》《河北日报》《北京日报》等主流媒体给予关注报道。

After the low-turning equipment for the snow tracks was disassembled, the Lajian National Ski Jumping Training and Research Base, constructed by China Railway Sixteenth Bureau Group Co., Ltd., was put into use, marking the official completion of the world’s largest ski jumping training complex. CCTV’s Xinwen Lianbo, Oriental Horizon, Morning News, and other media reported on the project. Mainstream media such as Worker Daily, Hebei Daily, and Beijing Daily also reported the project.

雄安新区

Xiong’an New Area

雄安新区是千年大计、国家大事。公司支持雄安新区规划建设和城市设计，建设与先进理念和国际一流水准的城市建设典范。

The Xiong’an New Area is of great significance. We support the planning, construction, and development of Xiong’an New Area in Hebei and adopt the most advanced concepts and standards in urban design to set an example in urban construction.

首个雄安新区实验室当好千年大计“座上宾”

The first laboratory in Xiong’an New Area measures projects

在雄安新区建设中，中铁十四局集团有限公司设立中铁十四局首个试验检测公司，致力于以打造优质工程为主，覆盖公路、铁路、轨道交通、水利、水运等行业的综合性检测机构。该企业全面实施标准化管理，严格实施标准化试验检测要求，加快检测验收进度，最快速度投入当地检测服务市场，为雄安新区、高质量建设筑就了坚实基础。

When building Xiong’an New Area, China Railway 14th Bureau Group Co., Ltd. established the first experiment and testing company of CRCC. The company was committed to building a comprehensive testing laboratory focusing on roads, railways, rail transit, water conservancy, and water transportation. The company fully implemented standardized management and construction requirements of standardized laboratories. The acceptance of the laboratory was made faster so that its testing services could be rolled out as quickly as possible, laying a solid foundation for the fast and high-quality Xiong’an development.

雄安新区首批安置房交付使用

The first resettlement houses in the Rongdong district of Xiong’an are delivered to residents

雄安新区首批安置房项目是雄安新区重点工程之一，于2021年12月1日，首批安置房陆续进行交付交接环节。首批安置房项目包括安置房5079套住宅，建筑面积为5.5万平方米，交付后将有2000多户居民入住。首批安置房项目交付使用后，将为雄安新区的高质量发展奠定基础。

The resettlement housing project in the Rongdong district of Xiong’an was delivered and accepted in November 2021. The resettlement houses were delivered and accepted, including 5079 residential units. Residents can enjoy a comfortable living environment, and enjoy the convenience of education, medical facilities, and other support facilities.

雄安新区景观提升项目

Landscape Improvement project of Xiong’an New Area
粤港澳大湾区
Guangdong-Hong Kong-Macao Greater Bay Area

建设粤港澳大湾区，既是新时代推动形成全面开放新格局的新尝试，也是推动“一国两制”事业发展的新实践。公司构建高质量综合立体交通网，推进城市群、都市圈内多交通网络一体化发展，促进轨道交通多网融合、有序发展，加快“轨道上的粤港澳大湾区”目标的实现。

The Guangdong-Hong Kong-Macao Greater Bay Area, a new attempt to make new ground in pursuing opening-up on all fronts in the new era, is also a new practice in the “One Country, Two Systems”. We build a high-quality three-dimensional transportation network, promote integration transportation within urban clusters and metropolitan areas, and integrate multiple railway networks in an orderly manner so that the dream of “Greater Bay Area on railways” can be realized as soon as possible.

“永平号”混合式盾构机始发掘进
Yongping hybrid shield machine begins operations

汕汕铁路是国家重点“一带一路”重大基础设施项目。填补中国沿海高速铁路千公里范围内无高速铁路的空白，对加快构建广东省“一核一带一区”新发展格局具有重要意义。汕汕铁路线路复杂，中铁四局集团有限公司为项目量身打造“永平号”混合式盾构机，可以有效避让岩石、提高掘进效率。汕汕铁路汕头海堤隧道是目前世界上最大直径海底盾构隧道。2021年3月开始掘通用机，标志着世界最大直径海底隧道盾构机开始海底段主体施工。

Shantou-Shamen High-speed Railway, an important infrastructure project under the Belt and Road Initiative, serves as the first high-speed railway in the coastal area spanning over 1,000 kilometers. It is of great significance for accelerating the new development pattern of “one core, one belt, one region” in Guangdong Province. Since the seabed strata of Shantou Bay were complex, China Railway 4th Bureau Group Co., Ltd. tailor-made the Yongping hybrid shield machine for the project, which could grind the rock and speed up the operations. Shantou Bay Subsea Tunnel of Shantou-Shamen High-speed Railway is the subsea shield tunnel for high-speed railways with the world’s largest diameter. The main subsea section of the world’s first subsea tunnel with a design speed of 350 kilometers per hour began construction in March 2021.

成渝地区双城经济圈
Chengdu-Chongqing Economic Circle

公司抢抓成渝地区双城经济圈发展重大机遇，依托全产业链优势，参与两地城市轨道、高速铁路建设，推动交通互联互通结出新硕果。

Seizing the major development opportunities of the Chengdu-Chongqing economic circle, based on our advantages of the entire industry chain, we build urban railways and expressways in the two cities and achieve new progress in transportation connectivity.

成渝都市圈环线高速公路全线通车
Chengdu Ring Expressway opened in full

成渝都市圈环线高速公路是成渝地区环线高速公路的重要组成部分，全长443公里。自4条高速公路组成。该线路经过14个区（市）县和枢纽站点，同步建设成渝、成遂等高铁地区近20条高速公路，助力成渝地区构建双核多中心立交交通体系。

The Chengdu Ring Expressway is the first and longest expressway invested, constructed, and operated by CRCC in Sichuan, with a total length of 443 kilometers. It consists of four highways bringing together 14 districts (cities) and counties around Chengdu and connects with nearly 20 expressways such as Chengdu-Chongqing, Chengdu-Mianyang, and Chengdu-Lebian Expressways in Sichuan and Chongqing areas, putting in place a three-dimensional new transportation system for the economic circle.
深化合作交流
DEEPENING COOPERATION AND EXCHANGES

中国铁建秉持互利共赢的理念，对接机遇和资源，以坚定信心和务实行动，开展交流合作，提升产业链供应链现代化水平。

以共同利益和共赢结果为驱动力，我们的合作持续而且牢靠。通过分享和交流，我们共同推动着进步。未来的道路依然漫长，但与您的携手，将使我们更有信心和力量前行。

强化供应链管理
Strengthening Supply Chain Management

中国铁建重视与供应商、分包商协同发展。搭建电子采购平台，为供应商提供公开、公平的竞争环境。建立合格供应商名录，开展供应商评价，推动供应商不断增强管理水平，为客户提供优质的产品及服务。与实力强、信誉好的供应商建立长期的合作关系，提高后勤保障、供应链服务及供应商责任意识和履约能力，努力打造负责任可持续的供应商体系。

CRCC pursues coordinated development with suppliers and subcontractors and puts in place an electronic procurement platform to establish a level-playing field for suppliers. We create a list of qualified suppliers, evaluate suppliers regularly, and urge suppliers to improve their management and to provide customers with high-quality products and services. We also establish long-term partnerships with suppliers that have sound strengths and reputations, encourage suppliers to fulfill their social responsibilities, and improve their responsibility awareness and performance to build a responsible and sustainable supply chain.

责任采购
Responsible procurement

完善的集中采购体系，强化集采监督考评。实时掌握、规范集采执行情况；制定集采采购策略，扩展一级集采范围，加大战略采购、框架协议采购力度，发挥集量规模优势。逐步完善推行一体化智慧采购信息系统，快推进中国铁建供应链系统建设及电商平台建设。

We improve the centralized procurement system, strengthen the supervision and evaluation of centralized procurement, and regulate the implementation. We set up procurement strategies for items under centralized procurement, expand the scope of first-level centralized procurement, and adopt more strategic procurement and framework agreement procurements to give full play to the advantages of centralized sourcing. The integrated intelligent procurement information platform has taken shape while the CRCC equipment management system and equipment leasing platform are being accelerated.

供应商管理
Supplier management

建立完善供应商管理体系，实现准入、考核、分级、动态评价的全生命周期管理。

We establish and improve supplier standardization management and realize the whole life cycle management of supplier access, screening, classification, dynamic assessments, and elimination.

截至2021年底
By the end of 2021

中国铁建物资集团中心拥有国内
物料供应商3688家

The CRCC Centralized Procurement
Center had 3,688 domestic suppliers

其中一级集采合格供应商
1649家

Including 1,649 qualified first-level centralized procurement suppliers

其他供应商
12809家

Including 12,809 other suppliers

在海外运营当地采购设备维护材料
Purchased equipment maintenance materials locally

建立六大区域中心深化供应商管理
Establishing six regional centers to deepen supplier management

中国铁建建立北京、上海、广州、武汉、西安、成都六大区域中心，负责一级集中采购工作。2021年，六大区域中心组织采购额1047亿元，召开12次采购会，共计289家供应商参加；采购中心选派270家供应商，参与69家生产和278家供应商，深化沟通交流。

CRCC has established six regional centers in Beijing, Shanghai, Guangzhou, Wuhan, Xi’an, and Chengdu to undertake first-level centralized procurement. In 2021, the six regional centers purchased items worth RMB 104.7 billion, held 12 procurement meetings that attracted 289 suppliers, and visited 69 manufacturers and 278 suppliers to deepen exchanges.
推进合作共享

Working for Win-win Cooperation

我们积极与政府、企业、科研院校及合作伙伴开展战略合作，深化多方合作，整合资源优势，促进
友好互利共同发展。2021年，中国铁建在湖南省、四川省、黑龙江省、中国南水北调集团、中
国铁建、中国南水北调集团有限公司及海外国际有限公司等政府及企业高层对提升合作竞争力
达成合作意向。

Having strategic partnerships with the government, enterprises, and research institutions, we bring together
multiple stakeholders and resources for friendly, mutually beneficial, and common development. In 2021,
CRCC signed strategic cooperation agreements or agreed to cooperate with local governments in
Hubei, Sichuan, Heilongjiang Provinces and central SOEs such as China South-to-North Water Diversion
Corporation Limited, China Energy Engineering Corporation Limited, and China National Nuclear
Corporation.

案例 case

携手助力国家级南水北调工程

Contributing to the South-to-North Water Diversion Project

南水北调是中国水利建设史上的伟大工程，是惠及亿万人的世纪工程、战略性工程。中国铁建参与建设南水北调东线、中线工程，创建优良业绩。2021年，中国铁建与国务院南水北调工程建设委员会签订了合作框架协议，
双方将实现合作双赢，实现共同发展。携手为中国南水北调工程建设贡献力量，全面提升南水北调工程建设的综合效益。

The South-to-North Water Diversion Project, a landmark project in China’s water conservancy, serves as a strategic project that benefits future generations. CRCC has a proven track record in building the east and middle lines of the South-to-North Water Diversion Project. In 2021, CRCC signed a strategic cooperation framework agreement with the newly established China South-to-North Water Diversion Corporation Limited. The two sides, based on their advantages and mutual trust, expanded their cooperation to contribute to the South-to-North Water Diversion Project and improve the comprehensive benefits of the Project.

“我们即将深化‘一带一路’建设，推动高质量发展。把创新作为引领发展的第一动力，把协调作为促进发展的内在要求，把绿色作为永续发展的必要条件，把开放作为国家繁荣发展的必由之路，把共享作为社会主义的本质要求。"

——中共中央总书记、国家主席、中央军委主席 习近平

"We make overall plans to promote high-quality development, create a new development paradigm, and jointly pursue the Belt and Road Initiative. Guided by the principle of extensive consultation, joint contribution, and shared benefits, we prioritize “hardware connectivity”, supplemented by “software connectivity” in rules and standards. We make people’s connections an important basis to achieve high-quality BRI that produces concrete benefits."

— Xi Jinping, General Secretary of the CPC Central Committee, President of the People’s Republic of China and Chairman of the Central Military Commission
促进互联互通
Promoting Connectivity

公司积极践行“一带一路”倡议和国际合作，打造海外“品质铁建”，推动海外业务高质量发展。

Actively promoting BRI and international production capacity cooperation, we pursue “Quality CCCC” to promote the high-quality development of overseas business.

“一带一路”成果
BRI achievements

- 中国老挝铁路开通运营
- 卡塔尔卢赛尔体育场主体完工
- 莫斯科地铁开通运营
- 尼日利亚拉伊铁路开通运营
- 亚吉铁路安全运营超过1000天
- The China-Laos Railway put into operation
- The main body of Qatar Lusail Stadium completed
- Moscow Metro opened to traffic
- Nigeria Lagos-Abadan Rail Line opened for operation
- The safe operation of the Addis Ababa-Djibouti Railway over 1,000 days

国际产能合作成果
International production capacity cooperation results

- 完成巴西中西部一体化铁路6万吨钢轨出口供应，实现中国铁建物资物流板块首次进入南美洲市场
- 在菲律宾，由中国自主品牌的隧道掘进机首次出口应用
- 在印尼，6600吨钢轨成功运送，标志着中国高铁整体出口“第一单”完成全部钢轨出口运输
- More than 60,000 tons of steel rails supplied for the integrated railway in the central and western regions of Brazil, marking the first entry of Chinese steel rails in South America.
- In Indonesia, the first order of 6,600 tons of long steel rails delivered

见证中老铁路开通
The China-Laos Railway opened to traffic

2021年12月3日，中国和老挝两国元首以视频连线形式共同见证中国铁路修建的中老铁路通车。中老铁路北起昆明，南至万象。全长1035公里，是中老两国友谊合作的标志性项目，是两国“一带一路”倡议与老挝“变陆国为联国”战略对接的重要项目，也是首批以中方为主投资建设、全线采用中国技术标准、使用中国设备并与国内铁路网直接联通的国际铁路。通车后，昆明至老挝万象可实现直达运输，当日可达。

On December 3, 2021, the leaders of China and Laos witnessed the opening of the China-Laos Railway built by CCCC via a video link. The Railway connects Kunming and Vientiane, with a total length of 1,035 kilometers. It is a flagship project of pragmatic cooperation between China and Laos. The project creates synergy between China’s BRI and Laos’ strategy of “transforming from a landlocked country to a land-linked economy”. It is the first international railway that is mainly invested and constructed by Chinese companies which adopt Chinese technical standards and equipment and that is directly connected to China’s railway network. After the railway was opened to traffic, direct access between China and Laos was reduced to less than 24 hours.

“中老铁路是高质量共建‘一带一路’的标志性工程。近年来，中方以高标准、可持久、惠民生为目标，不断推动共建‘一带一路’水平，实现了共建国家的互利共赢。为世界经济发展开辟了新空间。”

——中共中央总书记、国家主席、中央军委主席 习近平

China-Laos Railway is a landmark project of high-quality Belt and Road cooperation. In recent years, with the goals of high standards, sustainability, and improvement of people’s livelihood, China has continuously improved Belt and Road cooperation, achieved win-win benefits and awakened results for participating countries, and opened up new space for the development of the world economy.

——Xi Jinping, General Secretary of the CPC Central Committee, President of the People’s Republic of China and Chairman of the Central Military Commission
莫斯科地铁成为“中俄友谊的新地标”

Moscow Metro as a new landmark of Sino-Russian friendship

莫斯科地铁第三环线西南段项目全长6.2公里，是中国企业在欧洲的第一个地铁项目。公司克服在俄罗斯建设地铁的困难，采用自主研发的设备完成所有区间的掘进工作，穿越超过100年的老地铁、56年的老地铁车场，创下多项全速施工纪录，并开通成为“一带一路”倡议推进各国经济合作的典范。项目在俄罗斯和中国多家媒体广泛报道。

The southwestern section of the third transferring line of the Moscow Metro, with a total length of 6.2 kilometers, is the first metro project undertaken by a Chinese company in Europe. We overcame the difficulty of construction in a narrow area and adopted self-developed shield machines in all sections, crossing the Moscow railway, which has a history of over 100 years, and the Vnukovskiy Avenue station, which has a history of 56 years, setting several construction records in Russia. The project was made possible after the BRICS and the Eurasian Economic Union were established. Russian President Vladimir Putin attended the opening ceremony via a video link and expressed his gratitude to all parties involved in the construction. The project was reported by many media outlets at home and abroad such as People’s Daily, Xinhua News Agency, TASS, and RIA-Novosti.

卡塔尔世界杯主场体育场全部竣工

The major structure of the main stadium of the FIFA World Cup Qatar 2022 is completed


In September 2021, the Lusail Stadium, the main stadium for the FIFA World Cup Qatar 2022 undertaken by CRCC, was completed. This is the first World Cup main stadium constructed by a Chinese company. We practiced environmental protection throughout the whole process of design and construction and adopted several environmental protection and energy-saving technologies and a large number of recyclable materials to build one of the most energy-saving and eco-friendly stadiums in the world. The BIM technology was used to solve major technical problems, showing the strengths of a Chinese construction company. The project won the gold award for 3D Design in China International Space Design Competition (China Building Decoration Design Award) and was reported by many media organizations.

“这座体育场的承建者是中国最优秀的企业之一，这使得体育场工程有了质量保证。”

——卡塔尔世界杯组委会发言人 法蒂玛·纳伊米

“The contractor of the stadium is one of the best companies in China, which guarantees the quality of the project.”

——Fatima Alkawasm, Director of Communication at the Local Organizing Committee for the FIFA Club World Cup
关注民生福祉
Taking People’s Well-being into Account

中国铁建主动践行海外社会责任，促进当地就业，保持当地经济环境，弘扬当地社会教育，在致力于基础设施“硬联通”的同时带动“软联通”、“心联通”。

CCEC fulfills CSR abroad by boosting local employment, protecting the local environment, and assisting local emergency rescue and disaster relief. While ensuring “hardware connectivity”, we also contribute to “Software connectivity” and bring people’s hearts together.

案例 case

解决当地就业
Offering local jobs

中铁十九局集团矿业投资有限公司在尼日利亚项目为后尼日尔河第三大桥新建标准沥青路面。建立渔业养殖基地，创造3500个就业岗位，现接受超过1.5万人。

The Mopar Copper Project of China Railway 19th Bureau Group Mining Investment Co., Ltd. built several standard asphalt roads in Equatorial and established a fish farming base, which created 3,500 jobs and benefited more than 15,000 people.

案例 case

把健康送给非洲兄弟
Sending healthcare to African friends

2021年11月，中国土木工程集团有限公司承建的尼日利亚科夫医院与医学中心（一期）项目主体结构封顶，该项目总建筑面积约达23570平方米，包括办公行政区、医疗区、诊疗中心、信息中心及生物实验室等。建筑结构由双层双子塔形，与非洲疾控中心完美呼应，象征团结、博爱与力量。

In November 2021, the main structure of the first phase of the project in Nigeria was completed, with a total construction area of 23,570 square meters. It includes administrative, medical, diagnostic centers, information center, and biological laboratory. The main building’s twin towers look like coupled hands, which remind people of the logo of Afreximbank and symbolize unity, charity, and strength.

案例 case

支援海外抗疫
Supporting overseas COVID-19 efforts

疫情期间，中国铁建累计向尼日利亚等21个国家和地区捐赠各类抗疫物资价值近6000万元。先后参与尼日利亚、安哥拉、拉各斯等多家医院的“方舱医院”建设，参与应对呼吸道传染病等突发事件的处理，推动与非洲国家间的医疗健康合作。

Since the outbreak of COVID-19, CRCC has donated various medical supplies worth nearly 60 million RMB to 21 overseas countries and regions. It has joined forces with various hospitals in Nigeria, Angola, Lagos, and other countries and shared prevention and control practices with African medical experts. We have also promoted medical cooperation with African countries.

案例 case

为斯里兰卡低收入人群提供宜居住宅
Providing livable housing for low-income people in Sri Lanka

中铁二十五局集团承建的斯里兰卡社会住宅项目是科隆波社区重建项目的子项目之一，由3栋单层楼组成，建筑面积约6.45万平方米，共700套房，建成后将缓解当地保障房紧缺现状，改善当地低收入人群居住环境，促进经济社会发展。

The Sri Lanka affordable housing project undertaken by China Railway 25th Bureau Group Co., Ltd. is a project under the Colombo Community Reconstruction Program, consisting of three single buildings, has a total construction area of about 64,500 square meters and has a total of 700 apartments. Once completed, it will alleviate the shortage of local affordable housing, improve the living conditions of local low-income people, and optimize urban planning to promote the urban development of Colombo.
和谐幸福美好
共筑新生活

Pursuing Harmony and Happiness in a New Life

中国铁建积极参与、引领公益行为，奉献大爱情怀，做尽职尽责的企业公民。坚持与员工共成长，与社区共繁荣，共创共享幸福美好生活，促进企业与社会的和谐发展。

CRCC actively participates in and leads non-profit activities with strong commitments to be a responsible corporate citizen. We grow together with employees and communities, create and share a happy life, and strike a balance between corporate and social development.
员工健康
Employee health

公司制定《职业健康运行程序》，推动职业病危害因素治理，预防和控制职业病发生。每年安排员工体检，落实疫情防控工作，组织员工接种新冠疫苗和核酸检测，提升员工防疫意识。开展健康知识讲座，关心关爱员工心理和身体健康。致力于为员工营造健康安全的工作和生活环境。

By formulating the Occupational Health Operation Control Procedures, we tackle the source of occupational diseases and prevent them from occurring. Every year, we organize employee physical examinations. We also carry out pandemic prevention and control, help employees get vaccinated and tested, and improve their pandemic prevention awareness. We carry out free health checkups and health lectures while stressing the mental health of employees, thus creating a healthy and safe working and living environment for employees.

公司严格遵守相关法律法规，保护员工的各项合法权益。现员工招聘流程和管理程序，杜绝雇佣童工，禁止就业歧视，严格执行国家关于性别、年龄、民族等方面的政策。

We protect the legitimate rights and interests of employees in strict accordance with relevant laws and regulations. We standardize recruitment and management procedures, reject child labor, ban employment discrimination, and strictly implement national policies on gender, age, and ethnicity.

保障员工权益
Protecting the Rights and Interests of Employees

薪酬与福利
Salaries and benefits

公司严格遵守相关法律法规，并持续做好收入分配和薪酬激励。优化工资总额动态机制，收入分配向一线员工倾斜，完善收入分配重点管理体系，提升薪酬管理信息化水平。为员工购买、足额缴纳各项社会保险费用，建立企业年金制度，报销补充医疗保险，完善福利保障机制。

In strict accordance with relevant laws and regulations, we improve income distribution and incentives, optimize the salary package mechanism, and ensure that frontline employees can earn more money. We better manage income distribution priorities and digitalize salary management. We contribute to employees’ social insurance on time and in full, establish an annuity system, put in place supplementary medical insurance, and improve employee benefits.

公司员工劳动合同签订率100%
100% of employees signed labor contracts

社会保障覆盖率100%
100% of employees were covered in social insurance

加强职业卫生控制，办公生活区定期进行清扫，加强员工健康管理，防止食物中毒和传染病发生
Ensuring and controlling occupational health, maintaining cleanliness of the office and living areas, promoting employee health, and preventing food poisoning and infectious diseases.

加强女员工保护，合理安排女工工作，按照相关规定给予适当的照顾和补偿
Ensuring the protection of female employees, properly scheduling female employees, and providing reasonable care based on relevant regulations.
民主管理
Democratic management
公司重视民主管理，通过合理化建议、职工代表大会、开展基层调研等多种方式，形成企业公开领导体制和工作格局。建立工心谈心制度，打造“中铁建工职工之家”微信小程序，互通互联，相互交流的“最后一公里”。“
Democratic management is what we value. We have formed a transparent mechanism of corporate affairs by taking in reasonable suggestions and proposals from employee representatives and carrying out online surveys. We have established a system of employee talks and a WeChat account of "CRCC employee home" to facilitate the exchanges between the company and employees.

案例
Case
公司重视人才发展机制创建，畅通职业发展渠道，以科学合理的培养体系，建设高素质的“企业领导人才、经营管理人才、专业技术人才、复合型青年工作人才和高技能人才”五支人才队伍。
We deepen the talent development system, facilitate career development channels, and build five talent teams of "company leaders, business managers, professionals, Party affairs managers, and high-skilled talent-based on a reasonable training system.

赋能职业发展
Empowering Career Development

员工培训
Employee training
公司坚持“分类分级、应训尽训、精准培训”原则，采取线上线下相结合方式。建立职工教育培训体系，整合教育培训资源，扩展培训对象，举办多种培训班，提升员工综合素质和业务能力。
According to the principle of "classified, maximum, and targeted training", we combine online and offline methods, establish a sound education and training system, and integrate education and training resources. We cover more employees and hold various training courses to improve the overall performance of employees.

2021
- 员工培训总投入: 93946万元
- 员工培训覆盖214,948人次
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组织全系统2021年大学毕业生入职培训
Organizing company-wide orientation training for graduates in 2021
为使2021年全系统新入职大学毕业生尽快完成角色转变，融入企业，增强对企业的认同感、荣誉感，中国铁建举办“筑路铁建筑梦未来—中国铁建新入职大学生在职培训”，组织新入职大学毕业生参加培训，夯实人才成长基础。
To help fresh graduates recruited in 2021 adapt to the workplace as soon as possible and have a better sense of belonging, CRCC held the High-quality CRCC for Future—CRCC New Recruit Online Training, laying a solid foundation of talent training.

新员工素质拓展
Training for new employees

中层领导干部培训
Training for middle-level leaders
职业发展
Career development

公司加强制度建设，规范选人用人和干部管理；健全人才培养体系，构建“五支”人才队伍建设长效机制。建立“十四五”人力资源规划，实行“谁用人、谁考核”原则，充分发挥市场机制在人力资源配置中的导向作用。公司发布《 McDermott Talent Development Strategy 2021-2025》。我们还加强了对专业技术人员和技能人员的培训，实施“培才保用”工程，推进企业转型升级。2021年，公司员工培训量达到25.3万人日，同比增长78%。

我们不断优化人力资源管理，努力提升员工满意度。公司发布《 McDermott Talent Development Strategy 2021-2025》。我们还加强了对专业技术人员和技能人员的培训，实施“培才保用”工程，推进企业转型升级。2021年，公司员工培训量达到25.3万人日，同比增长78%。

加强员工关怀
Sending More Care to Employees

我们通过举办丰富多彩的活动，为员工提供一个健康、和谐、充满活力的工作环境。我们还为员工提供各种福利，如免费的健康检查，以及专业的发展培训。

关爱员工
Caring about employees

公司非常关心员工，为员工提供健康、安全和舒适的工作环境。我们通过举办各种活动，如主题日、文化节等，为员工提供一个健康、和谐、充满活力的工作环境。我们还为员工提供各种福利，如免费的健康检查，为家庭成员提供健康保险，以及专业的发展培训。

案例
Case study

畅通职业技能人才成长通道
Facilitating the growth channel of professionals

为畅通职业技能人才成长通道，中国通过政策支持和项目资金，加强职业技能培训和认证工作。通过网络平台的建设，为职业技能人才搭建了成长和发展的平台。2021年，我们实施了30个职业技能培训项目，培训人数达到4.2万人，同比增长10%。

BIM培训
BIM training

2021年，我们实施了30个职业技能培训项目，培训人数达到4.2万人，同比增长10%。
关爱员工留守子女
Caring about the left-behind children of employees

中铁十八局集团有限公司关爱员工留守子女。连续七年开展“微心愿”活动，累计资助费用200余万元，为300余名留守儿童圆梦。中铁十八局集团有限公司成立多支服务组织，24小时为需要帮助的员工留守儿童提供接送上下学、送医等帮助；开展“走进中铁十八局”夏令营活动，落实“反哺教育”政策，累计700余名孩子参与一线与父母团聚；针对员工及家属因病无法参加“中考”“高考”的留守子女，组织“陪考团”“加油团”，缓解员工担忧；扎实开展“金秋助学”，为每位家庭的员工子女送上帮助和慰问。

CRCC Railway 18th Bureau Group Co., Ltd. cares about the left-behind children of employees and has carried out the “Micro Wish” activity for seven consecutive years, with a total investment of more than RMB 202,000 to help more than 300 left-behind children. The company also established a variety of voluntary organizations to provide 24-hour help for left-behind children such as sending them to school or sending doctors. The company held the CRCC summer camp activity and implemented the “reverse family visit leave” policy to help more than 700 children reunite with their parents at the construction site. For employees who could not be with their children during the high school entrance and college entrance examinations due to busy schedules, the company organized local groups to accompany those children and alleviate the concerns of their parents. The autumn school aid sent best wishes to employees’ children who had an excellent academic performance.

平衡工作生活
Balancing work and life

公司积极开展“我最优秀”“职工文化艺术节”“职工春节联欢”等系列文艺活动，与“中国中铁一起走”健步走、“先锋杯”球赛、职工趣味运动会等形式多样的体育活动、“中国梦•中铁梦”主题系列活动，通过多层次的文化交流活动助力员工实现工作与生活平衡。

We carry out talent shows such as “my show”, “staff culture week”, “staff culture and art festival”, “staff spring festival gala”, sports activities such as “CRCC brick walking”, “pioneer cup”, and staff sports for fun, and cultural activities under the theme of “Chinese Dream, Railway Commitments, Labor Contributions” to help employees achieve work-life balance.

与社区共繁荣
THRIVING WITH COMMUNITIES

中铁建是美好生活德尔建设者，用民生工程架起民生桥梁，参与抢险救灾工作，热心公益慈善事业，共建和谐社区。

CRCC builds a better life and harmonious communities through projects meeting people’s daily needs and involvement in disaster relief and non-profit programs.

民生工程
Developing Projects to Meet People’s Needs

公司将民生工程转变为民心工程，解决民生需求，筹集工程资金，提高工程质量，增强人民群众的获得感，让城市与乡村发展更有温度。

We not only meet people’s needs, but also reach out to people’s hearts. Based on the analysis of people’s needs, we raise sufficient project funds and manage the quality of the project to improve people’s sense of gain and see that urban and rural development can meet people’s needs.
引汉济渭秦岭输水隧道通过2012米最大埋深段
The Qinling water conveyance tunnel for the Han River-Wei River water diversion project registered a 2012-meter maximum depth.

由中铁第一勘察设计院集团有限公司勘察设计的引汉济渭秦岭隧道TBM顺利通过2012米的最大埋深段，标志着国家重大水利工程——引汉济渭工程成功穿越施工难度最大区间。为全断面开挖奠定了坚实基础。实现全断面通过后，每年将有大约15亿方汉江水通过秦岭输水隧道源源不断地输入陕西省关中地区，可为1411万人提供生产生活用水，优化陕西省水资源配置。

The Lingnan TBM serving the Qinling water conveyance tunnel, which was surveyed and designed by China Railway First Survey and Design Institute Group Co., Ltd. registered a 2012-meter maximum depth, showing that the national key water conservancy project, the Han River-Wei River water diversion project, overcame the most difficult section of construction. This laid a solid foundation for the completion of the whole tunnel. After the project was completed, about 1.5 billion cubic meters of Han River water would be transferred into the Qiantanghe area of Shaanxi through the Tunnel every year, which could provide 1411 million people with water for production and daily life and optimize water allocation in the whole province.

智能立体停车楼项目解决“停车难”
Intelligent three-dimensional parking building project meets people’s urgent needs.

由中铁十七局集团有限公司承建的全国规模最大的智能立体停车楼项目——太原市智能停车楼一期工程已竣工验收。该项目首批共10座停车楼，可提供自动化停车车位3076个，车辆停放时间仅需60秒且可24小时保证车辆安全。

The largest intelligent three-dimensional parking building project in China undertaken by China Railway 17th Bureau Group Co., Ltd. saw the first phase of the Taiyuan smart parking building enter trial operations. The project is expected to resolve parking shortages in cities. The first nine parking buildings could provide 3,076 automatic intelligent parking lots and it only took 60 seconds to park or take the car whose safety was guaranteed.
关爱农民工
Caring about Migrant Workers

公司关爱农民工和农民工子女，及时支付农民工工资。深化农民工“五同”“八一样”管理标准，形成良好工友、工友之家、产业工人社区等建家样板。

We care about migrant workers and their children and pay their wages on time. We improve the management standards of “five same” and “eight identical” for migrant workers and build model families, worker communities, and community centers for workers.

多措并举改善生活条件
Taking multiple measures to improve living conditions

为加强高架铁路工程建家小组工作，改善生产生活条件，公司建立与农民工相关的服务体系，包括劳动调解中心、卫生所、理发店、医药站、便利店、家属活动室、健身房、职工餐厅等各类设施。针对高温天气及自然环境，特别建设了休息凉亭、遮阳式食堂等设施，并于就近医院联建立点，有效保障加强队伍建设健康。

To ensure that construction workers can feel at home when building plateau railways and improve production and living conditions, we have established comprehensive services for migrant workers, including labor mediation centers, health clinics, barbershops, delivery stations, convenience stores, family visit rooms, and fitness rooms, workers’ restaurants, and other functional areas. Given the harsh environment of plateaus, we have used graphene heat insulation, supplied oxygen, and cooperated with the nearest hospitals to effectively ensure the health of the construction team.

抢险救灾
Engaging in Disaster Relief

面对突发灾害和自然灾害，公司总是冲在救援第一线，用实际行动保障人民生命财产安全。在河南、山西、四川等地发生重大灾害时，公司及时调配应急物资力量，转移灾民车辆，公路运输，并及时开展社会救援行动。

In the face of emergencies and natural disasters, we always lead the way with practical actions to ensure people’s lives and property. When serious disasters occurred in Henan, Shanxi, Sichuan, and other places, we mobilized emergency forces to restore the operation of railways and highways and carry out rescue operations.

2021年

- 公司参与工程险情救预警和
- 防汛抗灾1800次
- 出动工程抢险力量
- 2.4万多人次
- 出动机械设备
- 400台套

- 我们参与了1800次工程险情预警和防汛抗灾，出动工程抢险力量2.4万多人次，出动机械设备400台套，以支持和援助在不同地方的救灾工作。

援助河南抗洪救灾
Assisting flood control and disaster relief in Henan

河南暴雨灾害发生以来，中国铁建在党委领导下，紧急部署，向郑州市捐赠人民币1000万元。在河南10余座城市同时开展抗洪救灾，派出救援人员2000余人，出动各类设备近200台，转移受灾群众，封堵决口缺口，排除水库险情，抢通地下管道，雨夜中保障人民安全。国家防总抗旱总指挥部和中国铁建公司的救灾工作，得到河南省政府的表扬和赞誉。

Since the torrential rain struck Henan, CRCC in Henan acted swiftly by donating RMB 10 million to Zhengzhou and engaging in disaster relief in more than 10 cities in Henan. More than 2,000 rescuers were dispatched and nearly 2,000 sets of equipment were sent to transfer the affected people, block the break of the dyke, eliminate the risks in the reservoir, and dredge underground pipelines, showing our commitments to people’s lives. The National Flood Control and Drought Relief Headquarters commended CRCC and the Henan Provincial Party Committee and Government for sending a letter of thanks and presents to China Railway 11th Bureau Group Co., Ltd., China Railway 12th Bureau Group Co., Ltd., and China Railway 20th Bureau Group Co., Ltd., which supported flood control and disaster relief.
同舟共“鹭”，抢建石家庄集中隔离点

Working against time to build the centralized isolation zone in Shijiazhuang

As the COVID-19 pandemic spread, China Railway 12th Bureau Group Ltd. and China Railway 14th Bureau Group Co. Ltd. responded quickly and adopted equipment such as cranes, excavators, graders, bulldozers, and transport vehicles. Against cold weather, construction workers took turns 24/7 to ensure the isolation zone was built safely and as scheduled to support pandemic prevention and control in Shijiazhuang.

全力抗击台风“烟花”

Fighting Typhoon In-Fa

When super typhoon In-Fa made landfall in Zhejiang, CRCC rushed to help. China Railway Construction Bridge Engineering Bureau Group Co., Ltd. organized 128 employees to reinforce the embankment in Xizhou Island, Hangzhou. After 18 consecutive hours of hard work, they completed the 1.1-kilometer project. The Jinhua railway project department of China Railway 12th Bureau Group Co., Ltd. sent 19 rescuers, nine emergency rescue equipment such as crane trucks and command vehicles, one mobile generator, and more than 300 bags of relief materials such as protective suits and sandbags, and transported more than 600 bags of sandbags. By doing so, the company completed the flood control mission in Tangxi District.

"中国铁路作为建筑央企，在百色市疫情防控关键时期，积极响应疫情防控指挥部的决策部署，从调度安排、实体组织到行动，为百色市疫情防控工作作出重大贡献。"

— 广西百色市住建局副局长 郭士露

"As a central state-owned enterprise, CRCC acted according to the pandemic prevention and control order when the pandemic in Baie was at its peak, followed instructions and made substantial contributions to Baie’s pandemic prevention and control with practical actions."

— Guo Shilue, Deputy Director of Guanxi Baie Housing and Urban-Rural Development Bureau
公益服务
Ensuring Voluntary Services

公司组建1,678支“学雷锋”志愿服务队，在全国各地开展多种形式的公益活动志愿活动。
We have set up 1,678 “Learning from Lei Feng” volunteers service teams for various forms of voluntary activities across China.

组织网络安全宣传活动
Organized voluntary activities for network security publicity

2021

开展社会公益活动1987次
1,987 voluntary activities were carried out

开展志愿服务3.7万人次
Accomplished Volunteer Services 37,000 person-times

案例 Case

志愿服务让冬奥更有温度
Voluntary services make the Winter Olympics a better event

中铁二十二局集团有限公司招募22名冬奥城市志愿者负责首钢滑雪大跳台点的服务保障工作，成立冬奥先锋团支部。在完成志愿者培训；招募冬奥志愿者企业健身操视频、志愿活动MV视频，参加志愿服务大集和冰雪冬奥演讲活动，与市民普及冬奥知识，推广冰雪运动，同时开展了清洁活动、”礼让斑马线”活动，营造安全有序、文明祥和的冬奥城市环境。

China Railway 22nd Bureau Group Co., Ltd. recruited 22 volunteers to guarantee services at Shougang Big Air, set up a team of the Winter Olympics pioneers, and completed volunteer training on time. Aerobics videos were produced to promote Winter Olympics to the company. The company helped make music videos and participated in voluntary fairs and speeches for the Winter Olympics to popularize knowledge of the Winter Olympics and promote ice and snow sports. Meanwhile, cleaning and “礼让斑马线” activities were conducted to create a safe, orderly, and peaceful urban environment for the Winter Olympics.
展望2022
OUTLOOK 2022

2022年是党的二十大召开之年，是“十四五”规划全面落地、新发展阶段全面布局之年。我们将把握发展大势、贯彻新发展理念、聚焦“十四五”总体发展目标，坚持“高质量、高效率、高效益”的总体发展思路。埋头苦干，真抓实干，坚定不移推动高质量发展向更高台阶，加快建设“具有国际竞争力的世界一流综合建筑产业集团”。

2022年见证了中国共产党第20次全国代表大会和第21届五年计划的开启。在新的发展阶段，我们深入实施新发展理念，深化新发展路径，坚持“高质量、高效率、高效益”的总体发展思路，坚定不移推动高质量发展向更高台阶，加快建设“具有国际竞争力的世界一流综合建筑产业集团”。

我们将努力成为有影响力的品牌企业，以高质量发展为主题，突出高增长、高盈利、高成长、高管理、高风险，努力实现“万亿美元市值”发展目标，持续推动企业经营与生产、经济、社会、管理等创新升级，实现中国建筑业高质量发展的重点。

To become the most trustworthy and capable enterprise for stakeholders, we will work for high-quality development. We will also highlight steady growth, improve quality and efficiency, promote innovation, strengthen management, and prevent risks. By doing so, we aim to achieve the goal of “two high-quality objectives, two high-quality pursuits, and four standards”. To advance business operation, production, performance, industry, and management to a new level and to build a solid foundation for high-quality development of CRCC.

我们将努力成为社会高度信赖的合作伙伴，服务国家战略需求和社会发展大局。坚持打造“品牌建筑”、倡导公平竞争与契约精神，加强合作交流，营造相互尊重、合作共赢、竞争激烈的高质量发展氛围；积极参与高质量“一带一路”建设，深化项目合作与技术研发，与合作伙伴共享发展。

To become the most reliable and responsible corporate citizen in communities, we will fulfill our social responsibilities, ramp up investments in rural revitalization, and also help to ensure that China is a carbon-neutral green economy. We will promote the application of energy-saving and emission-reduction technologies, conserve resources, and protect the environment to help achieve China’s 2060 Decarbonization Goal.
### 关键绩效表
#### KEY PERFORMANCE INDICATORS

#### 经济绩效 Economic Performance

<table>
<thead>
<tr>
<th>指标 Indicator</th>
<th>单位 Unit</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>新签合同额 New contract value</td>
<td>亿元 YUAN</td>
<td>20068.544</td>
<td>25542.887</td>
<td>28136.516</td>
</tr>
<tr>
<td>营业收入 Operating revenue</td>
<td>亿元 YUAN</td>
<td>8304.522</td>
<td>10838.248</td>
<td>10200.102</td>
</tr>
<tr>
<td>净利润 Net profit</td>
<td>亿元 YUAN</td>
<td>226.337</td>
<td>257.087</td>
<td>230.152</td>
</tr>
<tr>
<td>税和费用 Tax and fees paid</td>
<td>亿元 YUAN</td>
<td>261.488</td>
<td>262.348</td>
<td>267.115</td>
</tr>
<tr>
<td>资产总额 Total assets</td>
<td>亿元 YUAN</td>
<td>16412.392</td>
<td>16247.928</td>
<td>15529.700</td>
</tr>
<tr>
<td>资产负债率 Asset/Liability ratio</td>
<td>%</td>
<td>75.77</td>
<td>76.76</td>
<td>76.39</td>
</tr>
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</table>

#### 社会绩效 Society Performance

<table>
<thead>
<tr>
<th>指标 Indicator</th>
<th>单位 Unit</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>员工人数 Number of employees</td>
<td>人 Person</td>
<td>293864</td>
<td>286242</td>
<td>264700</td>
</tr>
<tr>
<td>平均工资金额 Coverage of labor contract</td>
<td>亿元 YUAN</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>社会保障覆盖率 Social insurance coverage %</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>女性员工比例 Percentage of female employees</td>
<td>%</td>
<td>21.13</td>
<td>19.78</td>
<td>21.76</td>
</tr>
<tr>
<td>女性管理者比例 Percentage of female managers</td>
<td>%</td>
<td>21.58</td>
<td>19.35</td>
<td>21.06</td>
</tr>
<tr>
<td>管理人员数量 Number of management personnel</td>
<td>人 Person</td>
<td>73956</td>
<td>60826</td>
<td>61060</td>
</tr>
<tr>
<td>专业技术人员数量 Number of professional and technical personnel</td>
<td>人 Person</td>
<td>134635</td>
<td>152199</td>
<td>137774</td>
</tr>
<tr>
<td>招聘数据 Number of new recruits</td>
<td>人 Person</td>
<td>80493</td>
<td>70117</td>
<td>64926</td>
</tr>
<tr>
<td>高级及以上学历人数 Number of employees with master’s degree or above</td>
<td>人 Person</td>
<td>12247</td>
<td>13352</td>
<td>14418</td>
</tr>
<tr>
<td>本科以上学历人数 Number of employees with bachelor’s degree</td>
<td>人 Person</td>
<td>15770</td>
<td>16349</td>
<td>16475</td>
</tr>
</tbody>
</table>

#### 社会绩效 Society Performance

<table>
<thead>
<tr>
<th>指标 Indicator</th>
<th>单位 Unit</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>大学学历人数 Number of employees with junior college degree</td>
<td>人 Person</td>
<td>62075</td>
<td>55209</td>
<td>40745</td>
</tr>
<tr>
<td>中学学历人数 Number of employees with high school diploma or below</td>
<td>人 Person</td>
<td>28255</td>
<td>20792</td>
<td>18358</td>
</tr>
<tr>
<td>员工参与培训 Number of employees participating in training programs</td>
<td>人 Person</td>
<td>41203</td>
<td>34000</td>
<td>31485</td>
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<tr>
<td>员工培训投入 Total investment in employee training</td>
<td>万元 RMB</td>
<td>74160</td>
<td>83333</td>
<td>93940</td>
</tr>
<tr>
<td>员工参与培训 Number of employees participating in training programs</td>
<td>人 Person</td>
<td>411385</td>
<td>1809935</td>
<td>1124889</td>
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<tr>
<td>员工参与培训 Number of employees participating in training programs</td>
<td>人 Person</td>
<td>21514</td>
<td>25595</td>
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<tr>
<td>员工培训投入 Total investment in employee training</td>
<td>万元 RMB</td>
<td>86313</td>
<td>189578</td>
<td>195346</td>
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<td>员工参与培训 Number of employees participating in training programs</td>
<td>人 Person</td>
<td>244335</td>
<td>655719</td>
<td>705954</td>
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<tr>
<td>员工参与培训 Number of employees participating in training programs</td>
<td>人 Person</td>
<td>41684</td>
<td>33015</td>
<td>36202</td>
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<tr>
<td>支付工资的人 Number of paid employees</td>
<td>人 Person</td>
<td>95275</td>
<td>157824</td>
<td>161569</td>
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<tr>
<td>安全生产投入 Investment in work safety</td>
<td>亿元 YUAN</td>
<td>125181</td>
<td>143567</td>
<td>158717</td>
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<tr>
<td>安全投入 Number of employees participating in safety training programs</td>
<td>人 Person</td>
<td>25000</td>
<td>26790</td>
<td>27980</td>
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<tr>
<td>救济资金分配 Amount of funds distributed for the needy</td>
<td>万元 RMB</td>
<td>7604</td>
<td>8546</td>
<td>7138</td>
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<tr>
<td>科研投入 Investment in science and technology</td>
<td>亿元 YUAN</td>
<td>161278</td>
<td>186060</td>
<td>202540</td>
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<tr>
<td>新增专利数 New patents</td>
<td>个 New</td>
<td>3343</td>
<td>5099</td>
<td>6638</td>
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<tr>
<td>进行一次体检的员工 %</td>
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<td>100</td>
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<tr>
<td>员工参与率 Employee participation rate %</td>
<td>100</td>
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<td>经济发展投入 Investment in economic development</td>
<td>亿元 YUAN</td>
<td>422384</td>
<td>117918</td>
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<td>捐赠金额 Total donations</td>
<td>亿元 YUAN</td>
<td>38000</td>
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#### 社会绩效 Society Performance
### 指标索引

<table>
<thead>
<tr>
<th>指标索引</th>
<th>indicator index</th>
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<tbody>
<tr>
<td>目录 Contents</td>
<td>《中国企业社会责任报告指标索引》 (CASSCSR Index)</td>
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<tr>
<td>关于我们 About the Report</td>
<td>P1-1.2.3</td>
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<tr>
<td>媒体主页 Message from the Management</td>
<td>P2.1-2.2</td>
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<td>一般信息 About (1)</td>
<td>P4.1-4.3,6.11</td>
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<td>指标索引</td>
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<td>年碳排放量 kg CO2 equivalent</td>
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<td>火电排放量 t CO2</td>
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<td>空调电耗量 kWh</td>
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<td>空调电耗量 kW</td>
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<td>空调电耗量 kWh</td>
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<tr>
<td>犯罪率 per 10,000 people</td>
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</tr>
</tbody>
</table>
意见反馈
FEEDBACK FORM

尊敬的读者：

您好！非常感谢您在百忙之中阅读《中国铁建2021年社会责任报告》。为了不断改进报告编制工作，我们特别希望听听您的意见和建议。请您协助完成反馈意见表中提出的相关问题，并选择以下方式反馈给我们。

邮 箱：北京市海淀区复兴路40号中国铁建股份有限公司

您的信息
姓名：__________________________
单位：__________________________
职务：__________________________
电话：__________________________
E-mail：__________________________

选择题（请在相应位置打√）

<table>
<thead>
<tr>
<th>选项</th>
<th>很好</th>
<th>较好</th>
<th>一般</th>
<th>较差</th>
<th>很差</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 本报告全面、准确地展示了中国铁建对经济、社会、环境的贡献和成效？</td>
<td></td>
<td></td>
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<tr>
<td>2. 本报告对利害关系方关心的问题有所提及和披露？</td>
<td></td>
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<tr>
<td>3. 本报告披露的业绩、指标、数据清晰、准确、完整？</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>4. 本报告可读性强、逻辑性强但版面设计、内容设计、语言文字和版式设计？</td>
<td></td>
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</table>

开放性问题

1. 本报告最让您满意的地方是什么？
2. 您认为报告中还需要增加哪些内容？
3. 您对我们今后发布社会责任报告有何建议？

Dear readers：

Thank you for taking the time to read the 2021 Social Responsibility Report of China Railway Construction Corporation Limited. For the purpose of continuously improving the preparation of social responsibility report, we are looking forward to listening to your opinions and suggestions. Please assist us to complete the relevant questions in the feedback form. You may choose the following options to contact us.

Mailing address: China Railway Construction Corporation Limited, No. 4, Fuxing Road, Haidian District, Beijing, China

Your Information
Name:__________________________ Company/Organization:__________________________
Title:__________________________ Tel:__________________________
Fax:__________________________ E-mail:__________________________

Multiple Choice Questions (Please mark "√" in the appropriate position)

<table>
<thead>
<tr>
<th>Option</th>
<th>Very good</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
<th>Very poor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Does the report clearly and accurately disclose the opinions, measures and performance of CCCC in the fields of economics, society, and environment?</td>
<td></td>
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</tr>
<tr>
<td>2. Does this report appropriately address the issues and issues the information concerned by stakeholders?</td>
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</tr>
<tr>
<td>3. Does the report deliver clear, accurate and complete information, indicators, and data?</td>
<td></td>
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</tr>
<tr>
<td>4. What is your opinion on the readability of this report, i.e. the logic, content design, wording, and layout?</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Open-Ended Questions:

1. What do you think is the most satisfying part of this report?
2. What kinds of information would you like to learn more about?
3. What are your suggestions for our future social responsibility reports?