中国有色集团
CNMC



Overview

2025 CNMC Sustainability and ESG Report

Through

the special responsibility topics of

"Working Together for Win-Win Results, Painting a New Picture of Silk Road Integration,"

"Enhancing Quality through Innovation and Unlocking New Momentum for Industrial Development,"

"Building a Green Foundation to Renew the Ecological Vision of Mines,"

as well as the four major chapters of

"Excellent Governance: Solidifying the Foundation for Development,"

"Enriching Resources: Focusing on Industrial Upgrading,"

"Greening the Landscape, Cultivating an Ecological Civilization,"

and "Harmonious Coexistence: Enhancing Social Well-being,"

this Report systematically discloses CNMC's sustainability practices and social responsibility performance in 2025.

Figures of 2025

Operating revenue
RMB **148.583** billion

Total profits
RMB **8.698** billion

Total tax paid
RMB **7.937** billion

Multinational operation index
51.74%

Proportion of international operating revenue in the Group's total revenue
52.01%

Proportion of revenue from strategic emerging industries
18%

Output of nonferrous metal products
2.138 million tons

Responsibility Honors

Ranked **35th** in the
"Top 100 Chinese Multinational Companies 2025"

Ranked **98th** in the
"China's Top 500 Manufacturing Companies"

Ranked **203rd** in the
"Top 500 Chinese Enterprises 2025"

NFC won the 2025
"Golden Lion" ESG Outstanding Case Award

OTIC won the **ESG Governance Golden Bull Award**
at the 3rd Guoxin Cup

CSR Feature 1

Working Together for Win-Win Results, Painting a New Picture of Silk Road Integration

Promoting "Belt and Road" industrial cooperation and shared local development through the "hard connectivity" of infrastructure, "soft connectivity" of standards and rules, and "heart-to-heart connectivity" of people-to-people bonds.

- Built and operated **14** mines, **12** smelters, and **1** economic and trade cooperation zone overseas, covering over **40** nonferrous metal varieties.
- Deepened alignment of rules, standards, and cooperation mechanisms to promote coordinated industrial development.
- Deeply integrated into the local social fabric, taking pragmatic measures to improve people's livelihoods and well-being, systematically cultivate local talent, deepen cultural exchanges and mutual learning, and practice green development principles.



Kambove Mining SAS receives the "Special Contribution Award" for social responsibility from the Kambove local government, DRC



Song of the Chambishi Copper Mine goes viral on short-video platforms

Scan the QR code to enjoy the Song of Chambishi Copper Mine

CSR Feature 2

Enhancing Quality through Innovation and Unlocking New Momentum for Industrial Development

Grounded in the direction of "empowering new materials with technology, leading new development with green practices, and strengthening the foundation through industrial upgrading," the Group has systematically built an efficient advancement system for strategic emerging industries, oriented toward continuous refinement, and promoted the large-scale and high-end development of strategic emerging industries.

Layout of Strategic Emerging Industries

New-Generation Information Technology

Expanding into areas such as optoelectronic devices and nickel-cobalt-manganese hydroxide ternary precursors;

New Materials

Strategically prioritizing niche sectors including high-end copper-based, aluminum-based, and tantalum-niobium-beryllium materials, and overcoming key technological bottlenecks to make breakthroughs in core technologies for superconducting materials, high-purity metals, and high-end alloys.

Energy Conservation and Environmental Protection

Focusing on the comprehensive utilization of mineral resources and the harmless treatment of smelting waste residue to drive the development of a circular economy;

Technical Services

Building competitive businesses such as "satellite-air-ground-well" three-dimensional exploration alongside smelting technical services.



CNMC convenes the mid-year 2025 phase summary meeting for the special action on technology-empowered new materials

CSR Feature 3

Building a Green Foundation to Renew the Ecological Vision of Mines

Deeply practicing the philosophy that "lucid waters and lush mountains are invaluable assets," driving mine ecological restoration with the dual driving forces of technological empowerment and systematic governance—the abandoned Hengshanli mine in Guilin was reclothed in green, and the tailings pond of Fengshan Copper Mine transformed into vast "grassland on the dam," blazing a green development path of "simultaneous mining, governance, and restoration."



CCTV's News Live reports on the ecological restoration engineering project of the abandoned limestone mine at the Hengshanli Quarry, Ertang, Lingui District, Guilin City, undertaken by CNMC Guilin Institute



The Transmission of Fengshan Copper Mine in Hubei: From an "Industrial Scar" to a "Grassland on the Dam"

01 Excellent Governance Solidifying the Foundation for Development

Lean Corporate Governance

- In 2025, the approval rate of Board decision items was **100%**; the annual execution and completion rate of decisions made at the three types of corporate meetings exceeded **80%**
- Proportion of female managers: **28.16%**
- Achieved an “A” rating in the annual business performance assessment for the persons in charge of central SOEs for three consecutive years
- Prepared the Group’s 2025 Annual Major Operational Risk Forecast and Assessment Report, and conducted dedicated risk inspections in key areas



NFC won three major awards: “Excellent Practice for Boards of Directors of Listed Companies,” “5A Rating in Performance Evaluation of Board Secretaries of Listed Companies” (the highest level), and “Best Practice for Board of Directors Offices of Listed Companies” (the highest level)

Ensuring Intrinsic Safety

By the end of 2025

- Investment in work safety: RMB **834** million
- Over **36,000** hidden hazards were identified through inspections, achieving a hazard rectification completion rate of **98.7%**
- **316** hazards were addressed through the special rectification campaigns for tailings ponds and open-pit slopes
- **1,080** emergency drills were organized
- The Company’s safety-themed educational and promotional activities recorded a cumulative total of **240,000** employee participations across all levels, and attendance at various specialized training sessions exceeded **1,200** person-times.



CNMC Deziwa Mine conducts a tailings pond safety emergency drill

02 Enriching Resources Focusing on Industrial Upgrading

Focusing on Industrial Leadership

Resource Development

- Organized and implemented **18** domestic and overseas exploration projects in 2025, completing **103,000** meters of drilling engineering
- Added approx. **6.5** million tons of heavy non-ferrous metal resources throughout the year

New Materials

- Defined the development paths for **14** types of critical and rare metals and submitted the Action Plan for the Modern Industrial Chain Leader of Critical and Rare Metals for approval.
- In 2025, the revenue and profits of the new materials industry increased by **18.1%** and **12.2%** year-on-year, respectively

Construction Engineering

- Operations spanning over **30** countries along the "Belt and Road"
- The cumulative value of newly signed engineering contracts by subsidiaries in the engineering sector has exceeded RMB **100** billion
- The undertaken projects have won **4** Luban Prizes, **8** National Quality Project Awards, and **51** provincial and ministerial-level quality project awards

Trade Services

- Closely focusing on the two priorities of "risk prevention and control" and "value creation," giving full play to its core role in supply assurance, and risk management



The acquisition of the Taboca polymetallic mine in Brazil successfully closed, achieving new breakthroughs in resource expansion

Strengthening Technological Innovation

- R&D expenditure reached RMB **3.876** billion, with an R&D intensity of **2.83**%
- **272** new authorized patents, including **112** invention patents
- Won **2** Second Prizes of the National Science and Technology Progress Award



CNMC Guilin Institute's "Intelligent Mineral Exploration and Prospecting Prediction" application was selected as one of the first batch of SASAC's strategic high-value AI scenarios for central SOEs

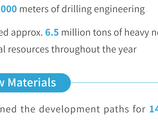
Upholding craftsmanship quality

Quality Assurance

- Beneficiation recovery rates rose steadily, mining dilution rates continued to decline, and assay accuracy rate and the pass rate of random inspections remained stable at over **95%**
- The ratio of qualified products remained stable at over **98%**, and the pass rate of quality spot checks for metal products reached **100%**
- The one-time acceptance pass rate for the engineering quality of various newly commenced and large- and medium-sized projects remained stable at **100%**

Brand Building

- Researched and drafted the 15th Five-Year Brand Strategic Plan, formulated and issued a series of regulations including the Brand Management Measures, Brand Architecture Management Measures, and Brand Communication Management Measures,
- Encouraged invested enterprises to apply for LME brand registrations and other certifications
- In 2025, the proportion of Grade A copper cathodes produced by CLM reached **100%**, generating a value increase of USD **2.15** million through brand premiums



Certificate of approval for CNMC Kambove's "KMS" cathode copper as an LME delivery brand

Deepening Industry Synergy

By the end of 2025

- Participated in the formulation of **14** national and industry standards
- Total number of suppliers: **16,827**

Wen Gang, Chairman of CNMC, met with Ruslan Oskenali, Chairman of the Board of Directors of Kazakhmys Corporation LLC, and his delegation, where the two sides engaged in in-depth exchanges on deepening mutual trust and expanding cooperation

03 Greening the Landscape Cultivating an Ecological Civilization

Strengthening Environmental Management

- In 2025, the total environmental protection investment of the Group reached RMB **1.16** billion
- A total of **46** enterprises across the Group had obtained environmental management system certification by the end of 2025
- In 2025, the Group invested nearly RMB **3** billion to advance the on-schedule implementation of **24** rectification tasks



Environmental Management System Certificate of NFC

Addressing Climate Change

By the end of 2025

- Energy consumption and carbon emission intensities decreased by **0.75%** and **5.08%** year-on-year, respectively
- Proportion of clean energy use: **15.64%**
- Total energy consumption: **556,200** tons of standard coal equivalent
- Comprehensive energy consumption per 10,000 yuan of output value (comparable price): **0.0531** ton of standard coal equivalent / RMB 10,000
- Total amount of greenhouse gas emission: **1.8673** million tons
- Invested a total of RMB **2.585** billion to renew **14,373** units/sets of equipment, and phased out **1,532** domestic units of equipment operating below level-3 energy efficiency. The proportion of equipment reaching energy-saving standards increased from **47.95%** to **68.11%**
- Organized and completed the carbon inventory work for **15** domestic invested enterprises and **60** production entities

Deepening Green Operations

By the end of 2025

- The Group’s domestic enterprises emitted **502.93** tons of sulfur dioxide and **467.22** tons of nitrogen oxides, down **77.06%** and **30.19%** respectively compared to the end of the 13th Five-Year Plan period
- The comprehensive utilization rate of general solid waste was **73.24%**



Comprehensive Resource Utilization Project for Leaching Residue of CNMC Zinc

Contributing to Ecological Civilization

By the end of 2025

- Area of ecological restoration: approx. **23.58** hectares
- All eight of the domestic mines were included in the national or provincial green mine directories, including four on the national list and four on provincial lists
- Added two new provincial-level green factories
- **27** of the Group’s domestic enterprises achieved full coverage of cleaner production practices
- Held **4** specialized training sessions on safety, environmental protection, and energy conservation, with a cumulative attendance of over **1,200**

04 Harmonious Coexistence Enhancing Social Well-being

Nurturing a Thriving Talent Ecosystem

- Labor contract signing rate: **100%**
- Turnover rate of employees: **2.18%**
- In 2025, trade unions at all levels of CNMC held **70** workers' congresses, deliberating and approving **37** relevant regulations
- Conducted **2,775** employee training sessions, covering nearly **190,000** person-times

Practicing Philanthropy



OTIC partnered with Jianmin Community to conduct a volunteer event themed "Practicing Our Mission and Benefiting the Community through Appliance Repair Services"



The youth volunteer service team of 15MCC takes to the streets to conduct snow removal and ice-clearing volunteer services

Deepening Community Integration



ZCCZ donates educational supplies to Namboard Primary School



CNMC Deziwa Mine assists in the construction of Masumbu Kindergarten and several primary schools

Future Outlook

With immense momentum for the vast journey ahead, we shoulder profound responsibilities and set forth anew. 2026 marks the inaugural year of the 15th Five-Year Plan. CNMC will fulfill its two core missions and consolidate its development foundation. In building a green and low-carbon modern industrial system, it aims to set an industry benchmark; Furthermore, it will actively participate in high-quality Belt and Road cooperation while fulfilling its responsibilities as a global enterprise, contributing solid strength from China’s nonferrous metals industry to high-quality industrial development !