



# QUARTERLY RELEASE

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ESG Performance  
1Q25



# ESG LEADERSHIP

We began 2025 with enthusiasm and the certainty that **CSN Mineração is prepared to continue advancing consistently toward an increasingly sustainable, safe, and inclusive future.** It is with great satisfaction that I share the main highlights of this first quarter — a reflection of our teams' dedication and our commitment to social and environmental responsibility.

We started the year by improving our decarbonization performance. The period reflected a **9% reduction in greenhouse gas emissions compared to the baseline year**, reinforcing our leadership in CSN Group's decarbonization agenda.

In the field of safety, **we expanded the AGIR Program in 2025 based on lessons learned from the previous year.** We restructured its pillars, strengthening topics such as leadership, critical risk management, and preventive tools, bringing leadership even closer to operational areas. As a result, we **reduced by 75% the number of potential serious injuries and fatalities (PSIF)** this quarter compared to the same period last year — a significant step toward building an increasingly safe environment and achieving our 12-year fatality-free track record.

We also launched online courses on maintenance fundamentals and defensive driving, promoting both safety and technical qualification for our employees. Still in the first quarter, we completed a new round of external inspections of our dams — all of which received stability **certification issued by independent auditors.**

We also continued to advance in ESG innovation with the deployment of **drones for dust control at the Casa de Pedra mine site**, complementing various other controls aimed at mitigating this impact. In parallel, we progressed in implementing new CSN.Conecta projects, with high expectations surrounding the innovative and more rigorous procedures for shaping tailings piles.

We are just at the beginning of another promising chapter. **May 2025 be a year of more innovation, collective commitment, and shared achievements.** I invite everyone to explore this release and closely follow the next steps in our journey.

**I wish you all a great read!**

*Fazer bem, Fazer mais, Fazer para sempre*

## **Helena Brennand Guerra**

Board of Directors Member at CSN Mineração  
Sustainability, HSE & Assets Officer at Grupo CSN

# ABOUT THIS REPORT

Since the beginning of 2023, CSN Mineração (CMIN) has started to disclose its actions and performance, individually presenting its ESG performance and indicators. The information included in this release was selected based on its relevance and materiality to the Company. Quantitative indicators are presented in comparison with the period that best represents the metric for monitoring purposes.

Historical data on CMIN's performance and initiatives, as well as its performance in other ESG targets, can be found in the Company's Integrated Report, available here. ESG indicators are assured annually for the closing of the Integrated Report; therefore, the information contained in the quarterly releases may be subject to adjustments resulting from this process. It is also possible to monitor CMIN's ESG performance on our website: <https://esg.csn.com.br/en/>

# ESG RATINGS

External recognitions in indices and ratings highlight the Company's continuous progress, evidencing its commitment to transparency regarding key practices and indicators aligned with sustainable development.

Since 2023, CMIN has been evaluated by some ESG rating agencies independently from CSN, its parent company. In 2024, it was evaluated for the first time by FTSE, achieving a rating of 2.9 and being listed in the FTSE4Good Index.

CSN Mineração scored 55 points in the S&P ESG Rating Score, placing the company among the top 8% globally in the mining and metals sector. Sustainalytics ranked CMIN among the top 5%, with 9th place out of 158 companies evaluated in the sector.



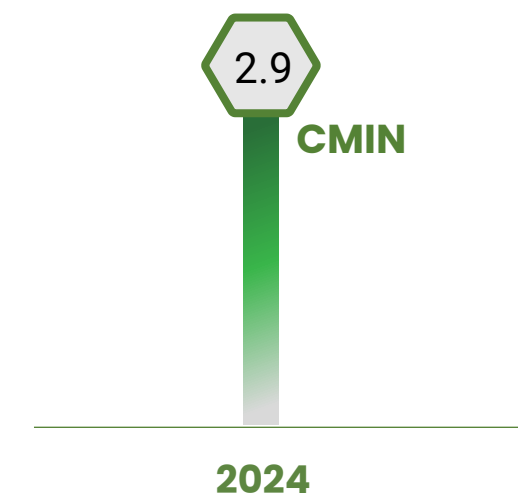
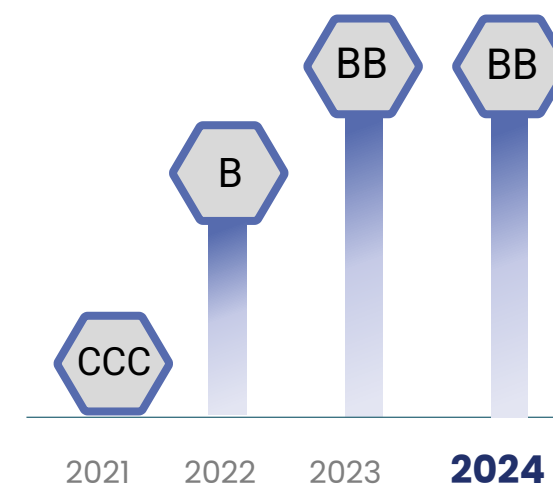
CMIN is ranked 9th globally in its sector



In the sectoral assessment, **CMIN stands out among the top 8% highest-rated companies**



We have continuously improved our ESG performance, **advancing from a CCC to a BB** rating in just two years





# ESG HIGHLIGHTS

## GOVERNANCE

- ✓ **4th ESG Ambassadors Workshop**, focused on risk management and preparation for IFRS S1 and S2
- ✓ **Launch of the Be Compliance** platform, enhancing and consolidating governance standards on the topic
- ✓ **Completion of the 2024 Integrated Report**, made available to the public in April 2025

## SOCIAL & DEI

- ✓ **Diversity target achieved 1 year ahead of schedule**, with women representing 26.4% of the workforce
- ✓ **+18% increase** in employees with **disabilities** in the workforce
- ✓ Expansion of the Garoto Cidadão project in Rio Acima: +110 new spots

## DAMS

- ✓ **DCEs (Emergency Action Plans for Mining Dams)** renewed in March/25, with all dams considered stable

## OCCUPATIONAL HEALTH & SAFETY

- ✓ **Over 11 years** without fatalities at CSN Mineração
- ✓ **-17% in Accident Frequency Rate** compared to 2024
- ✓ **-75%** reduction in high-potential incidents (PSIF – Potential Serious Injury and Fatalities) compared to 1Q24

## ENVIRONMENTAL

- ✓ **- 8% reduction in CO<sub>2</sub> emissions per ton of iron ore**, compared to the baseline year (2020)
- ✓ **-4% in water intensity (M<sup>3</sup>/t ore)** compared to 1Q24
- ✓ Acquisition of **drones to implement an innovative** solution for dust mitigation in mining

# MAIN ESG GOALS<sup>1</sup>

## Natural Capital



### Climate Change

- ✓ Reduce CO<sub>2</sub>e emissions by 30% per ton of ore produced by 2035 (Scopes 1 and 2), based on the 2020 baseline.
- ✓ Achieve carbon neutrality by 2044 for Scope 1 and 2 emissions.
- ✓ Continuously maintain electricity consumption from 100% renewable sources

### Water and Effluents Efficiency

- ✓ Systematize and transparently report the volumes of water permitted, withdrawn, and discharged by CSN Group units, correlating them with the water scarcity risks of the basins in which they are located, by 2025
- ✓ Keep water intensity<sup>2</sup> below 0.45 m<sup>3</sup> of water withdrawn per ton of ore produced by 2032
- ✓ Achieve 94% water recirculation by 2032

### Dam Management

- ✓ Decharacterize all upstream tailings dams by 2030

### Biodiversity

- ✓ Strive to achieve no net loss in biodiversity and, whenever possible, generate a net positive impact (net gain)

## Human & Social Capital



### Occupational Health and Safety

- ✓ Reduce the accident frequency rate (CAF+SAF for own employees and contractors) by 30% by 2030 compared to the 2020 baseline (1 million HHT factor).
- ✓ Reduce the number of lost workdays due to accidents involving own employees by 30% by 2030 compared to the 2021 baseline.

### Diversity, Equity, and Inclusion

- ✓ Double the percentage of women at CSN Mineração by 2025 compared to the 2019 baseline








### Human Rights

- ✓ By 2027, complete 100% of the proposed actions from the Human Rights due diligence conducted in Congonhas (MG)

<sup>1</sup>The Company has other ESG targets, which are published in its Integrated Report. The performance of all the Company's targets can be monitored annually through this document.



# Performance on ESG TARGETS

	Indicators	Unit	Indicator Base-year	1Q25	Δ%	Status	Target	Target -Year
<div>Environmental</div> 	Emission Intensity Mining (GHG) <sup>1</sup>	kgCO <sub>2</sub> e / t ore	7.10 (2020)	6.51	-8		4.97	2035
	Water intensity <sup>2</sup>	m <sup>3</sup> / t ore	N.A.	0.25	N.A.		<0.45	2032
<div>Social</div> 	Accident Frequency Rate <sup>3</sup>	LTI + NoLTI	1.96 (2021)	0.82	-58		1.37	2030
<div>Governance</div> 	Diversity (women on staff)	%	13% (2019)	26.4	100%		26%	2025

1. Considers emissions only from Scope 1 mobile combustion for CSN Mineração, which accounts for 95% of its emissions, noting that Scope 2 emissions are zero due to 100% renewable electricity consumption.

2. The rate considers lost-time and non-lost-time accidents for both employees and contractors per 1 million hours worked.



**BROWSE THE**  
**DOCUMENT**



**E**

environmental

**S**

social



**G**

governance





# ENVIRONMENTAL



## Art and Environment Transform Community in Congonhas

The wall of the Senhor Odorico Martinho da Silva Municipal School, in Congonhas, was brought to life through a project that combines art, education, and sustainability. The initiative brought to the Pires community a **mural that reflects local identity and values the environment**. The project, called Colorindo Congonhas, was carried out in partnership with the Municipal Environmental Department and the project Se Essa Rua Fosse Minha, involving students, teachers, artists, and residents of the Pires neighborhood.



## Open Doors for Our Clients!

In January, we had the pleasure of welcoming representatives from Thyssenkrupp, who came to learn more about our **environmental, health, safety, and human resources practices**.

The visit was a valuable opportunity for exchange and transparency. We believe in the importance of always keeping our doors open to clients and partners, reinforcing trust and building relationships based on responsibility and credibility.



## Water Day and Digital Transformation Intersections

To celebrate World Water Day, we prepared a special live session on the use of Artificial Intelligence (AI) in **water resource management in industry**.

The event took place on Friday, March 21, from 9 a.m. to 10 a.m., broadcast live on Microsoft Teams.

Water is an essential resource for both industry and life. With the evolution of technology, new solutions are being developed to ensure its efficient and sustainable use. In the session, experts shared how Artificial Intelligence is revolutionizing water management, especially in predicting and optimizing consumption.



## Innovation in Drones for Dust Mitigation

This quarter, CSN Mineração advanced its environmental control initiatives with the acquisition of new drones and the signing of contracts focused on **automated spraying**, especially on the rough slopes of mine tailing's areas.

The use of this technology allows for greater precision and efficiency in spraying actions, significantly contributing to the reduction of suspended dust and the improvement of environmental and working conditions in operational areas.





# DAMS MANAGEMENT

In March 2025, all CSN Mineração tailings dams had their stability certified by an independent external auditor, as required by current national legislation.

Continuing the Company's tailings dam decommissioning schedule, the Vigia, Auxiliar do Vigia, and B5 dams have already been fully decommissioned. The decommissioning of the Vigia Dam has been officially recognized by FEAM, and only legal-period monitoring remains before it can be officially removed from the ANM registry.

Works on the B4 Dam are underway, with completion expected according to the schedule below.

All dams with **verified stability certification**  
*(March 2025)*

## DAM DECOMMISSIONING SCHEDULE

		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031+
Casa de Pedra	B5	✔											
	B4												
	Casa de Pedra												
Pires	Vigia Auxiliary Dam			✔									
	Vigia Dam					✔							



External audits carried out twice a year



Cross-checking (peer review) of audits and projects



New projects underway to reuse mining waste



ENVIRONMENTAL  
PERFOMANCE

AIR QUALITY¹	Unit	1Q24	1Q25	IQA
CSN Mineração – Novo Plataforma	µg/m³	30.3	38.3	BOA
CSN Mineração – Basílica	µg/m³	22.0	24.3	BOA
CSN Mineração – Bairro Plataforma	µg/m³	20.3	26.3	BOA
CSN Mineração – Bairro Casa de Pedra	µg/m³	17.7	16.3	BOA
CSN Mineração – Bairro Cristo Rei	µg/m³	19.3	17.7	BOA
CSN Mineração – Bairro Esmeril	µg/m³	15.3	18.0	BOA
CSN Mineração – Comunidade Belo vale	µg/m³	14,3	27.0	BOA
TECAR – Vila Califórnia	µg/m³	17.0	23.1	BOA
TECAR – Vila Aparecida	µg/m³	18.6	28.5	BOA
TECAR – Brisamar	µg/m³	19.2	24.8	BOA
TECAR – Sítio Terezinha	µg/m³	28.9	26.9	BOA

WATER INTENSITY	Unit	1Q24	1Q25	Δ%
Intensity per Iron Ore Production²	M³/ t ore	0.26	0.25	-4

WASTE MANAGEMENT	Unit	1Q24	1Q25	Δ%
Percentage of circularized waste³	%	75	91	21

CLIMATE MANAGEMENT	Unidade	2024	2025	Δ%
GHG Emissions Intensity per Ton/Iron Ore⁴	kgCO₂/t	6.49	6.51	-

1. The data reflects monitoring conducted at automatic stations and presents the average for the period. Air quality was classified as “good” in over 87% of the measurements.  
2. It includes water collected from the production process at the Casa de Pedra central plant, the Pires production process, and potable water.

3. Reduction caused by the greater allocation of construction waste to landfill, and the lower generation of other waste during the period.  
4. It considers only the emissions from CSN Mineração’s Scope 1 mobile combustion category, which accounts for 95% of the Company’s total emissions. It is worth noting that Scope 2 emissions are zero, as all electricity consumption comes from 100% renewable sources.







## OCCUPATIONAL HEALTH AND SAFETY

### AGIR Program

In 2025, we reinforced our commitment to employee safety by strengthening the AGIR Program, which underwent a significant restructuring. Its pillars were expanded based on lessons learned in 2024, including a new focus on closer engagement with operational leadership. This evolution aimed to bring leadership even closer to frontline operations and raise our standards of safety and operational efficiency.

As a result of this journey, we observed a decrease in Potentially Serious Injuries and Fatalities (PSIFs). In 2024, we recorded a significant 55.3% reduction in PSIFs, followed by a further 23% decrease in the first quarter of 2025 compared to the same period the previous year.

### Janeiro Branco (White January)

Throughout January, several development initiatives focused on mental health were carried out across our units. These included workshops, lectures, and practical activities — all aimed at promoting the emotional and psychological well-being of our employees.

## PEOPLE'S MANAGEMENT AND DEI

### International Women's Month

CSN hosted the live event “Women in Industry: How Diversity Strengthens Business and Careers” on March 12, in celebration of International Women's Day. The session featured guest speakers who shared insights on the challenges and opportunities women face in the industry, discussing topics such as inclusive leadership and organizational transformation strategies.

At CSN Mineração, we also inaugurated a new women's locker room at the Casa de Pedra site, equipped with facilities for nursing mothers — further enhancing our operation's ability to welcome and support new female employees.



S

**SOCIAL**





# SOCIAL PERFORMANCE

HEALTH AND SAFETY		Unit	1Q24	1Q25	Δ%
Number of Accidents with and without lost time (Employees)		Number	1	2	100
Number of Accidents with and without lost time (Contractors)		Number	2	3	50
Number of accidents with serious consequences (except deaths) (own + third parties)		Number	0	0	-
Fatalities (Employees)		Number	0	0	-
Fatalities (Contractors)		Number	0	0	-
Frequency Rate of Notifiable Workplace Accidents (1M HHT Factor)		Rate	0.51	0.82	62
Severity Rate of Accidents (1M HHT Factor)		Rate	9	11	17
Potentially High Severity Events (PSIF)		Number	4	1	-75

SUSTAINABLE VALUE CHAIN		Unit	1Q24	1Q25	Δ%
Purchases from Local Suppliers		%	405	393	-3
Purchases from Local Suppliers (Services)		%	213	203	-5
Purchases from Local Suppliers (Materials)		%	210	217	3

TRAINING		Unit	1Q24	1Q25	Δ%
Training Hours		Hours	39.993	29.161	-27
Employees Trained		Number	5.625	4.895	-13
Training Investment		R\$	76.773	83.683	9

EMPLOYMENT <sup>1</sup>		Unit	1Q24	1Q25	Δ%
Women in the workforce		%	24.5	26.4	8
Women in leadership positions		%	11.1	11.9	7
People with disabilities		%	1.1	1.3	18
Racial Diversity					
• Yellow		%	2.3	2.1	-9
• White		%	40.2	40.4	1
• Indigenous		%	0.2	0.2	-
• Black		%	12.4	12.7	2
• Brown		%	43.4	43.1	-1
• Not informed		%	1.6	1.4	-13
Turnover <sup>2</sup>		%	2.6	3.8	46

<sup>1</sup> Diversity data does not consider Board members and non-permanent employees

<sup>2</sup> Turnover data only considers CLT and non-CLT programs and does not consider non-permanent employees







**FUNDAÇÃO CSN – OVERVIEW 2025**

The CSN Foundation's Evaluation and Monitoring team began 2025 by conducting a survey of the incentivized projects implemented throughout 2024, with the aim of measuring the impacts generated in the area of curation. In total, the projects implemented in that period, with the support of the CSN Group, directly benefited 413,810 people and reached an audience of 1,396,882 people through their cultural initiatives. In terms of territorial scope, the projects were present in 12 Brazilian states.

**GAROTO CIDADÃO**

In partnership with the Municipal Government of Rio Acima, through the Department of Social Assistance, the CSN Foundation inaugurated the new headquarters of the Garoto Cidadão (Citizen Boy) project in March. The project aims to promote social inclusion and contribute to the educational, sociocultural, and emotional development of children and adolescents in situations of social vulnerability, fostering experiences of active citizenship within communities. With the inauguration of the new facility, the project expanded its capacity to serve 220 children and adolescents, representing a 47% increase compared to its previous structure..

**SUSTENTARTE: ECOLOGICAL HOLIDAYS**

Reinforcing CMIN's commitment to sustainability and environmental education, in January, the Environmental Education Program (PEA) launched the initiative "Eco Holidays" in Congonhas (MG). The purpose was to promote reflection and discussions on the importance of sustainability among children and adolescents in the municipality. The initiative fosters socio-environmental awareness through playful and educational activities for the children of employees.

	1Q25
Young people benefited <sup>1</sup>	4,799
Young employed <sup>2</sup>	1,240
Public served <sup>3</sup>	32,161

<sup>1</sup> Young people benefited by the Garoto Cidadão, Capacitar, Young Apprentice, Internship, Steel Drums and Soccer projects.  
<sup>2</sup> Young employees from the Foundation's programs: Young Apprentice, Internship Integration, Citizen Mentoring, Theater Scholarship, Capacitar Hotelaria e Serviços.  
<sup>3</sup> Public present at the public presentations, carried out by the projects: Garoto Cidadão, Caminhão, Tambores de Aço, Centro Cultural and Histórias que Ficam.



Relatório de Impacto  
Fundação CSN

Access here CSN  
Foundation's Report







# GOVERNANCE

## 4th ESG Ambassadors Workshop

In February, the CSN Group held **the 4th ESG Ambassadors Workshop**. The event marked the beginning of another cycle of the ESG Committee with an in-person gathering of the eight thematic groups composed of 52 ambassadors. The focus of the event was to expand both the theoretical and practical knowledge of the ambassadors and operations teams regarding ESG Risk Management.

The initiative, led by CSN Inova Bridge **CSN Inova Bridge** – in collaboration with Audit, Risk and Compliance Department, and the Sustainability Department – was primarily focused on risk management training. The goal was to align the company's practices with the international IFRS S1 and S2 frameworks, which are gaining prominence as global references for the disclosure of sustainability-related financial information. IFRS S1 addresses the general presentation of financial information on sustainability-related risks, while IFRS S2 specifically focuses on risks and opportunities related to climate change.

## BeCompliance Platform

This quarter, **CSN launched the BeCompliance platform**, a tool developed to strengthen the culture of integrity and facilitate access to content, declarations, training, and guidance channels on ethics and compliance for all employees. The initiative is part of CSN Group's ongoing commitment to best governance practices, promoting a more transparent, secure, and ESG-aligned corporate environment.







**CSN**

**MINERAÇÃO**