

POR DENTRO DA MRN INSIDE MRN



INTEGRATED OPERATIONS CENTER: MRN'S INTELLIGENT HEART



Sarah de Souza Sá, IOC Sequencing engineer

IOC connects data, technology, and people for real-time decisions, greater predictability, and bauxite operational efficiency

New Mines Project advances after 88 workshops with communities

page **14**



R\$ 390 million in taxes returned to society

page **16**



Jobs grow 10% and total 7,518 professionals in 2025

page **20**





Introduction

Inside MRN is our biannual transparency publication. Here, we share the results of our work in the Amazon: advances, challenges, and commitments to the development of Western Pará. We compile economic, social, and environmental data that shows how we seek to generate value for people, protect the environment, and maintain responsible and sustainable operation.

Summary

Who We Are | 06
 MRN in Numbers | 08
 Commitment to Development | 10
 Respect for People | 26
 Respect for the Environment | 38

Masthead

INSIDE MRN

Edition 03/2026

Frequency: biannual

Editorial Board

MRN Communications Department

Writing, Production and Editing

Máquina PR

Graphic Design and Layout

Máquina PR

Photos and Images

MRN Archive and Freepik



MESSAGE FROM THE BOARD

Advancing responsibly: results and challenges guiding 2026

In 2025, we made consistent progress on what is essential for MRN. Every decision made throughout the year was based on the safety of people, operational efficiency, and responsibility towards the territory where we operate. It was a year of significant deliveries, built daily by a committed, technical team connected to the reality of our operation.

One of the symbols of this advancement is our Integrated Operations Center (IOC). It is there that we bring together data, technology, and people to support real-time decisions, reinforcing the safety, transparency, and synergy of the entire operation. The IOC accurately reflects the moment we are experiencing: more intelligence, more control, and, above all, greater capacity to care for people, anticipate risks, and plan the future responsibly.

In this edition of Inside MRN, we invite you to learn about the main results of 2025 and the challenges that guide our decisions for 2026. Our focus is on continuing to advance to ensure operational continuity and sustainable development. This path requires technical rigor, permanent dialogue with regulatory bodies, communities, and partners, as well as increasingly integrated action among the company's areas.

We continue to work with responsibility, innovation, and respect, aware of our role in the development of the Amazon and confident in the strength of the people who, every day, transform decisions into the future.

Guido Germani
CEO of MRN

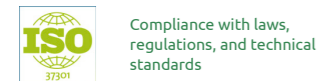
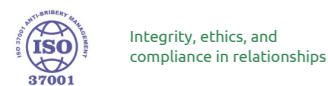
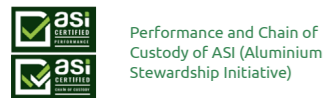


WHO WE ARE

We are **Mineração Rio do Norte (MRN)** and have been in Western Pará, in the heart of the Amazon, for over 40 years.

We produce bauxite responsibly and deliver our production to Brazil and the world.

Our operation combines mining, environmental care, and community development.



SUSTAINABLE PRACTICES WITH EXCELLENCE STANDARDS

We continuously advance our sustainability journey to protect the Amazon and reduce greenhouse gas emissions, with clear goals aligned with global agendas.



BIODIVERSITY

The forest is at the center of our actions

We operate in one of the planet's most relevant ecosystems and treat biodiversity as a priority.

We are aligned with the Kunming-Montreal Global Biodiversity Framework (KMGBF) and the UN Sustainable Development Goals (SDGs).

Our commitment is to evolve our practices and achieve the goal of Net Zero Biodiversity Loss, using 2020 as the baseline.

DECARBONIZATION

Addressing climate change

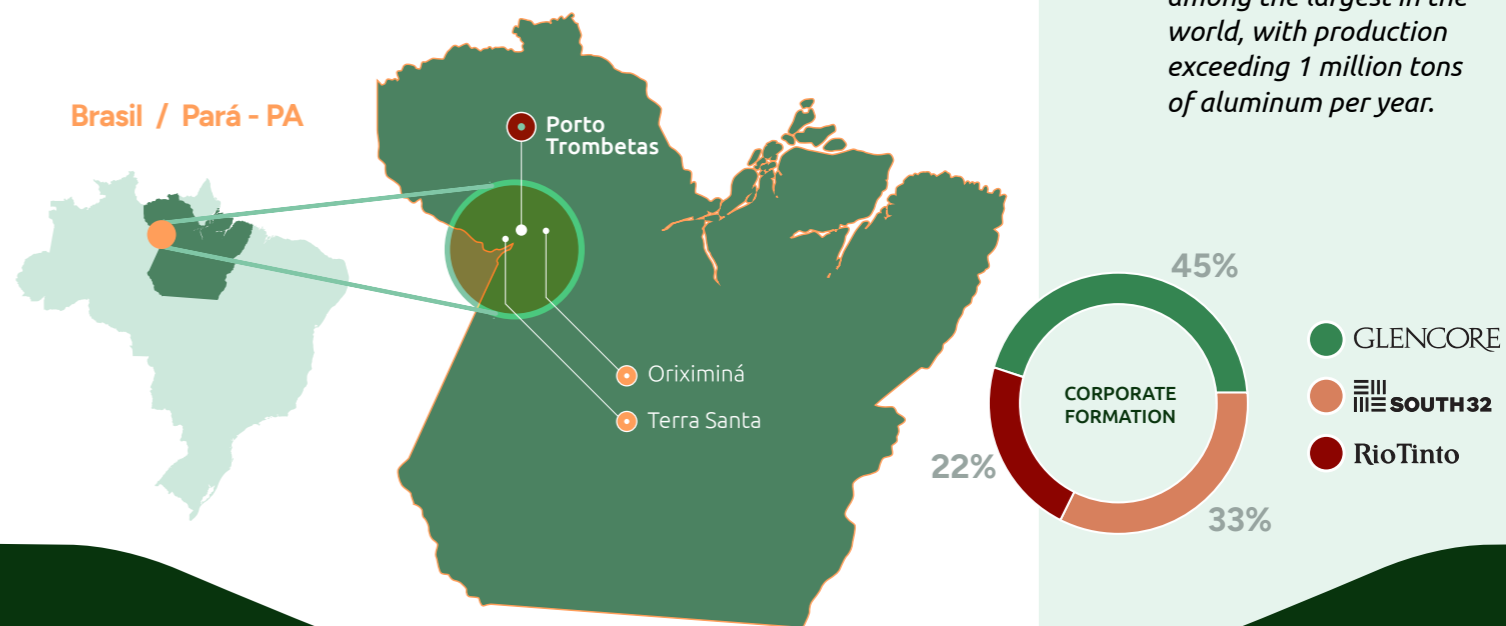
Our goal is to reduce Scope 1 and 2 greenhouse gas (GHG) emissions by 25% by 2027, based on 2024, through energy matrix transition.

We also maintain the ambition to achieve net zero industrial GHG emissions by 2050, contributing to a low-carbon future.

WHERE WE ARE

We are located in Pará and connected to Brazil and the world.

Our headquarters are in the district of Porto Trombetas, in Oriximiná, Western Pará, within the Saracá-Taquera National Forest. Our operational area covers the municipalities of Oriximiná and Terra Santa.



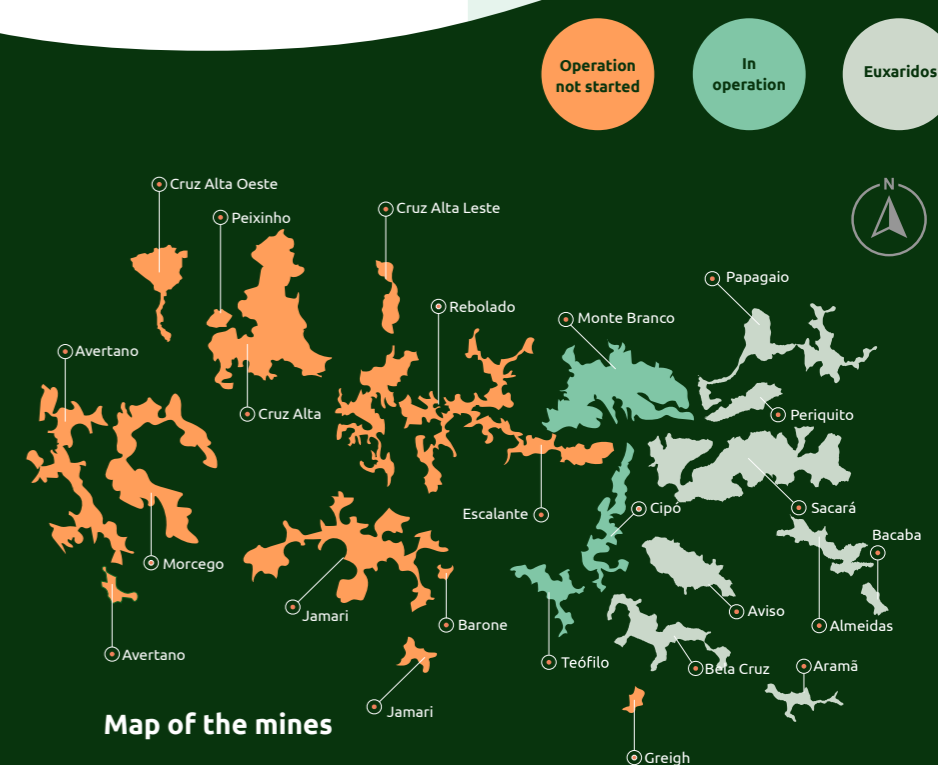
THIS IS WHERE THE ALUMINUM PRODUCTION CHAIN BEGINS

Bauxite is the main source for aluminum production, present in electronics, household utensils, and automobiles. MRN plays a strategic role in keeping the Brazilian industry among the largest in the world, with production exceeding 1 million tons of aluminum per year.

WHAT WE DO

We produce bauxite, an essential raw material for aluminum. Our logistics include a 28 km railway and a port structured for mineral transportation.

MRN plays a strategic role in keeping the Brazilian industry among the largest in the world, with production exceeding 1 million tons of aluminum per year.



MRN IN NUMBERS

Behind every number, a commitment to the future. 46 years of socioeconomic development in Western Pará.



PRODUÇÃO

Leader in bauxite production in Brazil



12,8 million tons of bauxite produced in 2025



3 continents supplied: America, Europe, and Asia



57% of production destined for the Brazilian market

GERAÇÃO DE VALOR



R\$ 810.9 million in total investments + 54.7%



R\$ 346.7 million in costs with direct employees + 4.2%



R\$ 727.5 million in purchases in the state of Pará + 1.4%



R\$ 389.7 million in taxes, fees, and contributions + 5.3%



7,518 Direct and outsourced workers +10.8%



85.36% of direct employees are from the state of Pará



R\$ 51.6 million in socio-environmental investments + 22.3%



60 socio-environmental initiatives

Data for 2025 and comparative with 2024

The IOC is MRN's operational brain, connecting the entire production chain in real time.

Rogério Junqueira,
Operations Director



IOC: REAL-TIME DECISIONS TO PROTECT PEOPLE, OPERATIONS, AND THE FUTURE

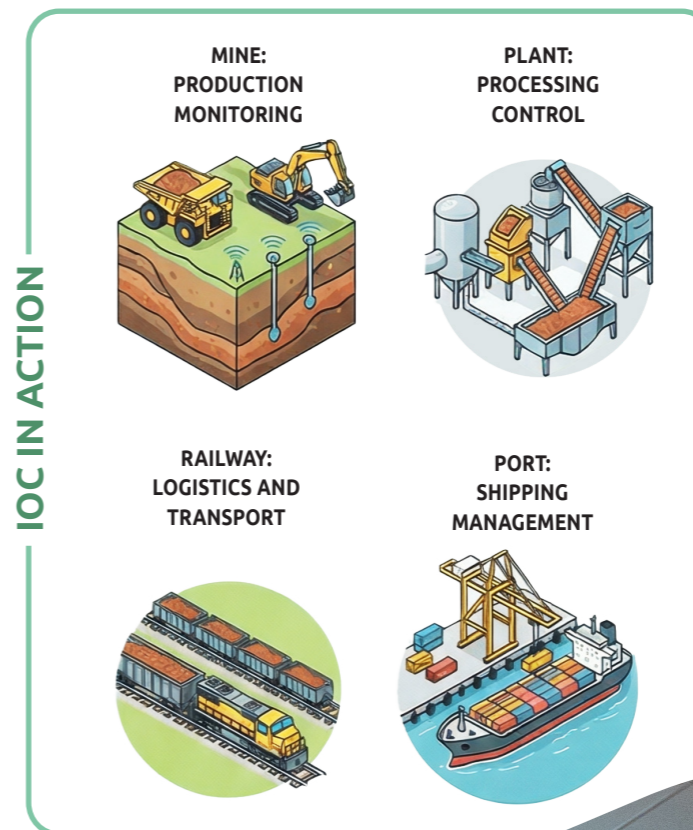
Monitoring the operation from mine to port in a single environment, with real-time data, is the objective of our Integrated Operations Center (IOC).

The space, which brings together technology, systems, and specialists, allows us to monitor production, anticipate risks, and support quick and safe decisions.

The Operations Director, Rogério Junqueira, explains how the IOC works, in practice, and what gains it brings for the safety and efficiency of activities.

INTEGRATED OPERATIONS CENTER (IOC)

Continuous monitoring and quick decisions help maintain safe and efficient operations, from mine to port.



INSIDE THE IOC

- Integrated monitoring room**
Centralized view of operations.
- Operational control room**
Monitors indicators and data analysis.
- Video wall**
Panel with multiple monitors displays activities in real time.
- Data center**
Stores and processes information 24x7.
- Advanced Fire Department post**
Quick response to emergency situations.

TECHNOLOGIES SUPPORTING THE IOC

- Mine monitoring**
SmartMine | Timing Aware | Orchestra | Guardian
- Operator fatigue detection**
DSSi CAT with auxiliary cameras
- Crushing and washing plant control**
- Railway operation control**
- Real-time geotechnical monitoring**
GeoInspector | SHMS
- Advanced data analysis**
Power BI | Python | SQL
- IoT and operational telemetry**

WHAT DOES THE IOC REPRESENT FOR MRN?

RJ: The IOC is the company's operational brain. It connects, in real time, all stages of our production chain, from mine to port, bringing together people, processes, and technology in a single environment. This integration allows us to monitor the operation continuously, with greater predictability, stability, and standardization of decisions.

WHAT HAS CHANGED IN MRN'S OPERATIONAL CULTURE WITH THE IOC?

RJ: The IOC has raised MRN's operational maturity level. We started integrating areas that previously operated more segmentally, such as mine, plant, port, and geotechnical. With this, we can see the chain more completely and make increasingly data-driven and real-time indicator-based decisions. This makes us less reactive and more capable of anticipating scenarios and risks.

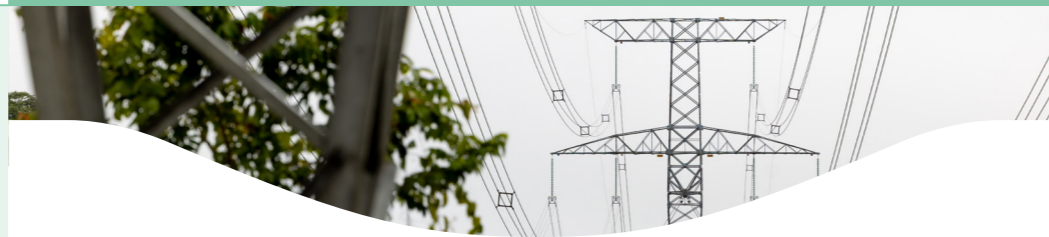
WHAT ARE THE MAIN GAINS FOR OPERATIONAL SAFETY?

RJ: The biggest differential is the capacity for anticipation. The IOC allows continuous monitoring of geotechnical and operational parameters, essential to ensure the safety of dams and the operation as a whole. With this, we can identify deviations or risk trends more quickly and act preventively.



“
What we built in this first year reinforces the culture of safety, which accepts no deviations or improvisations. We are capable of leading, improving our work environment, and delivering this project with excellence and safety.
 ”

William Araújo,
 MRN Safety Leader



98 KM TRANSMISSION LINE CONNECTS MRN TO THE NATIONAL ELECTRICITY SYSTEM

The Transmission Line Project (TLP), which marks our energy transition to cleaner energy sources, completed one year of implementation.

The new 230 kV and 98-kilometer line will interconnect the Oriximiná substation to the future Saracá substation, in Porto Trombetas, connecting our operation to the Brazil's National Interconnected Electricity System (SIN).

Works are progressing with the opening of the right-of-way, construction of tower foundations, and access improvements to intervention areas. In Porto Trombetas, civil works and equipment assembly for the Saracá substation have also begun.

The project includes environmental protection actions, such as flora rescue, fauna monitoring, and the construction of towers across the Trombetas River.

EMPLOYMENT AND INCOME

847 direct jobs generated by the works.

460 professionals from Oriximiná in the work fronts.

53 women employed, increasing female presence in construction sites.

SAFETY FIRST

The implementation of the TLP achieved 424 days without lost-time accidents (01/01/2025 to 02/28/2026). Campaigns, training, and good practices reinforced the commitment that remains unchanged: safety always comes first.

ENVIRONMENTAL PROTECTION DURING WORKS

The project follows environmental management practices at all stages. Among the measures adopted is the Soft Start technique, which gradually reduces equipment noise in underwater activities to minimize impacts on pink river dolphins and tucuxis.



ENVIRONMENTAL ACTIONS

- Safety and Environment Dialogues.
- Inspections and emissions control.
- Drills for the Environmental Emergency Plan in the Trombetas River.
- Adequate management of waste and effluents.
- Partnership with the Recicla Orixí cooperative.

DIALOGUE WITH COMMUNITIES

The TLP maintains continuous dialogue with 19 communities in the direct influence area, with meetings, socio-environmental diagnostics, and permanent channels to detail works, address doubts, demands, and suggestions.

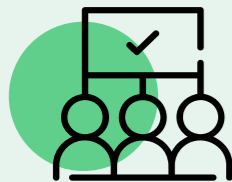


SOCIAL ACTIONS

- Participatory Socio-environmental Diagnostic
- Informative meetings with residents and leaders
- Articulation with Oriximiná's social assistance network
- Permanent channel for community demands
- TLP visit program



QBEPs IN NUMBERS



88
PARTICIPATORY
WORKSHOPS



+ 280
COMMUNITY
MEMBERS
INVOLVED



NEXT STEPS

1. Final statement from National Institute of Colonization and Agrarian Reform (Incra) regarding QBEPs.
2. Approval of the Environmental Management Plan (EMP) and the QBEPs by Brazilian Institute for the Environment and Renewable Natural Resources (Ibama).
3. Issuance of the Implementation License.

DIALOGUE WITH COMMUNITIES MARKS ADVANCE OF NEW MINES PROJECT

Quilombola Basic Environmental Plans approved by Boa Vista and Alto Trombetas 2 communities, after broad social participation

Ensuring the continuity of our operations for another 15 years requires planning, dialogue, and technical rigor. The licensing of the New Mines Project (NMP) advanced after the completion of the Quilombola Basic Environmental Plans (QBEPs) for Boa Vista and Alto Trombetas 2 (AT2).

The plans were developed between 2024 and 2025, through a participatory process that included 88 workshops and the engagement of 280 community members from both territories. The work resulted in the definition of programs to mitigate socio-environmental impacts.

The QBEPs were submitted and approved by the community members in final consultation meetings held in February and March 2026, under the coordination of Incra. The process complies with the guidelines of Convention 169 of the International Labor Organization (ILO).



BAUXITE CONNECTION BRINGS STARTUPS CLOSER TO MINING CHALLENGES

Launched in 2025, the Bauxite Connection program has already connected us with 22 companies, especially startups, interested in developing solutions for real mining challenges.

Integrated into Bauxite Lab, our innovation hub, the program connects the operation to the innovation ecosystem, stimulating the development of technologies and products capable of increasing the efficiency, safety, and sustainability of mineral activity.



INNOVATION THAT STARTS FROM WITHIN

We also strengthen the culture of innovation internally through the Innovation Facilitators Program, which trains our employees to identify opportunities, propose improvements, and collaborate on new solutions for the operation.

Carried out in partnership with Neo Ventures, the program already presents important results:

- **25 innovation challenges** mapped in different areas of the operation.
- **18 solutions** in Proof of Concept phase, being tested in practice.
- **5 challenges included** in the Bauxite Challenge program, which supports startups in the development and validation of technologies.

Among the challenges are solutions for:

- Bauxite quality tracking
- Increased reliability of the weighing system
- Agility of tailings dewatering for mechanized removal

Innovation facilitators program
FROM CHALLENGE TO SOLUTION:

54
PROFESSIONALS
TRAINED SINCE
2024

6
MODULES OF
TECHNICAL
TRAINING AND
MENTORSHIP

23
INNOVATION
CHALLENGES
SELECTED IN
2025



Want to know more?
Access Bauxite Lab
via QR Code or at
bauxitalab.mrn.com.br



UNDERSTAND THE LICENSING PROCESS

The licensing of the New Mines Project already exceeds seven years of intense technical work, given the complexity of an undertaking in the Amazon and the learning among the parties involved. The entire process strictly follows legal rituals and ensures respect for community rights.



IF LICENSED, THE NMP ENABLES:

- R\$ 1.9 billion in new investments
- 12.5 million tons of bauxite per year
- 6.9 thousand jobs maintained (85% local workforce from Pará)
- 2.3 thousand new jobs in implementation
- Brazil as the 4th largest bauxite producer in the world.
- Supply of the mineral, which is strategic for the energy transition.



WHAT IS CFEM?

The Financial Compensation for the Exploitation of Mineral Resources (CFEM) is a resource paid by mining companies as compensatory measure for the exploitation of mineral wealth. The amount, based on the sales value, is passed on to the National Mining Agency (ANM). From there, it is distributed to the Union and to the states and municipalities impacted by the activity.

R\$ 389.7 MILLION IN TAXES: RESOURCES RETURNED TO SOCIETY

Tax payments strengthen public budgets and support essential services in the territories where we operate.

In 2025, we paid R\$ 389.7 million in taxes and contributions, an increase of about 5% compared to the previous year. These amounts reinforce the budgets of municipal governments, the collection of the State of Pará, and the Union.

By fulfilling our fiscal obligations responsibly and transparently, we contribute to building a solid base of public financing, essential for regional development and improving the quality of life.

TAX REVENUE*

R\$ 103.7 million
paid to the State of Pará in taxes, fees, and CFEM.

R\$ 223.3 million
paid to the Federal Government in taxes, fees, contributions, and CFEM.

Of the total taxes collected, R\$ 110 million are withheld by MRN from service providers and subsequently passed on to the Union.

TRANSFERS TO MUNICIPALITIES IN 2025

Oriximiná
R\$ 27.8 million
ISS
R\$ 12.3 million
CFEM

TOTAL:
R\$ 40.1 million

Terra Santa
R\$ 1.4 million
ISS
R\$ 21.2 million
CFEM

TOTAL:
R\$ 22.6 million



Total: R\$ 22.6 million Of the total ISS collected, R\$ 29.2 million are withheld by MRN from service providers, as per legislation, and subsequently transferred to the municipalities.

**2025 Data*



DIRECT VOLUNTARY TRANSFERS TO QUILOMBOLA COMMUNITIES

R\$ 26.1 MILLION

paid to the Association of Remaining Quilombo Communities of Alto Trombetas II (ACRQAT) since 2024 as Participation in Mining Results referring to the exploration on the Monte Branco plateau. In 2025, of the R\$ 18.4 million transferred, R\$ 15 million refers to the agreement portion for the period from the start of activities on the plateau until 2023. The resources are administered directly by ACRQAT, which brings together about 350 Quilombola families.

Transfers to the Quilombola Fund

R\$ 600 THOUSAND

in donations agreed with the Mãe Domingas Association, between 2022 and 2025. The resources are managed by residents of the six communities in the Alto Trombetas I Quilombola Territory and allocated to institutional strengthening, community development, and promotion of the territory's autonomy.

Transfers for Institutional Strengthening

R\$ 1.096 MILLION

since 2024 in donations agreed with the Associations of the Remaining Quilombola Community of Boa Vista (ACRQBV), Mãe Domingas, and the Communities of Gleba Trombetas and Gleba Sapucaá (ACOMTAGS), reinforcing our commitment to promoting autonomy, sustainable development, and leadership in the territories.





ACQUISITIONS IN 2025

Products

R\$ 681.4 million

Services

R\$ 46.1 million

Total:

R\$ 727.5 million

+1.4% compared to 2024

LOCAL PURCHASES REACH R\$ 727.5 MILLION AND BOOST THE ECONOMY

Suppliers from Western Pará account for 90% of our product and service acquisitions, totaling approximately R\$ 659.4 million in 2025.

Companies from Oriximiná, Terra Santa, Faro, and Santarém, municipalities in Western Pará, are among our main suppliers of products and services. Our acquisitions in the region boost the local economy, generate income, and promote development.

In addition to the acquisition of fuels, vehicle and equipment parts, packaging, and civil construction items are among the products purchased from local suppliers.

In the services segment, we have diverse suppliers including rental of goods and equipment, transport, and maintenance services for buildings, electromechanical, and industrial. Among the suppliers, there are three community cooperatives, which employ 533 people.

STRENGTHENING PARTNERSHIPS WITH LOCAL SUPPLIERS

Suppliers Meeting expands dialogue and strengthens relationships with companies in the region

To get closer and expand partnerships with local suppliers, we continued our training agenda with the 2025 Suppliers Meeting.

Over three days, companies from Oriximiná, Terra Santa, Santarém, and Óbidos presented their portfolios, learned about our registration, quotation, and purchasing processes, and identified business opportunities with us and our main contractors.

The initiative contributes to strengthening the regional economy, stimulating income generation and the development of local suppliers.



When industry needs dialogue with local suppliers, a close relationship is created that makes the economy circulate in the territory itself, generating income and wealth for the region.

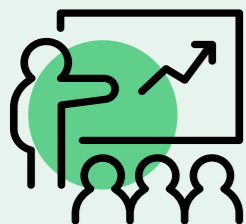
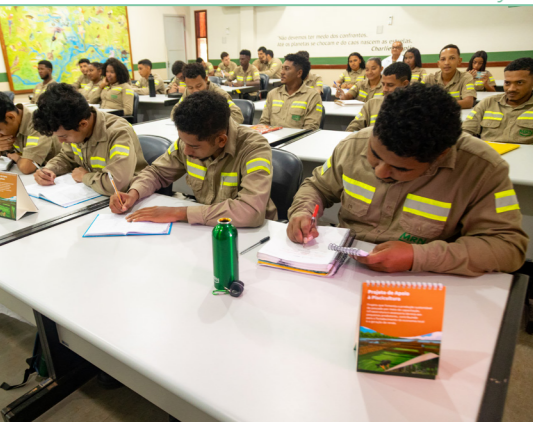


Eurípedes Amorim, Project Manager at Redes da Federação das Indústrias do Pará (Fiepa)



Would you like to know more? Access to know how suppliers are registered at MRN





143
TRAINING
COURSES

20,832
ATTENDANCES

+ 40%
COMPARED
TO 2024

The training reinforces essential competencies to maintain a safe, efficient operation prepared for new challenges.



JOBS GROW 10.8% IN 2025

With 120 more open positions, our operation strengthens the local economy and connection with territories.

The generation of jobs in Western Pará is one of our priorities to boost the local economy's development. In 2025, the number of own and outsourced employees grew by 10.8%, with the opening of 120 new positions.

Most of the hires occurred in Oriximiná, Terra Santa, Faro, and surrounding communities, municipalities that concentrate 44% of our direct employees.

7,518 PROFESSIONALS

1,680 direct employees and 5,838 outsourced

85.36% OF OWN EMPLOYEES ARE FROM PARÁ

444 Santarém	102 Óbidos
424 Oriximiná	152 others
312 Terra Santa	

PARTICIPATION IN TRAINING INCREASES BY 40%

To ensure the continuous development of our professionals, we offered 143 training sessions in 2025, focusing on safety, operations, regulations, and strategic topics. Course participation increased by 40%.

DEVELOPMENT TRACKS

For the first time, we expanded the offer of online training, highlighting the Development Tracks aimed at leadership training for managers, leaders, and successors.

TOPICS OF TRAINING IN 2025

- Team management
- Decision making
- Strategic communication
- Innovative practices
- Critical process management

ADVANCES IN FEMALE REPRESENTATION

In 2025, female presence at MRN increased with enhanced initiatives to make our work environment more equitable. In the last seven years, women's representation grew from 6.6% to 13%.

MAIN INITIATIVES:

- Exclusive talent pool, with over 1,200 registered women.
- Nursery, uniforms for pregnant women, and new female accommodations.
- Lead Women Project, with 600 women trained in 2024 and 300 in 2025.
- Affirmative Career and Succession Program for Women.
- Hiring of 28 community women through the Open Doors Program.



BLACK PEOPLE ARE THE MAJORITY

Black workers form the majority of our direct employees, according to our Transparency and Salary Equality Report, reinforcing our commitment to diversity and inclusion. Among the initiatives, the Open Doors Program stands out, offering exclusive job openings for Quilombola and riverside communities.

COMPOSITION OF TOTAL EMPLOYEES BY SEX AND RACE/COLOR



WOMEN

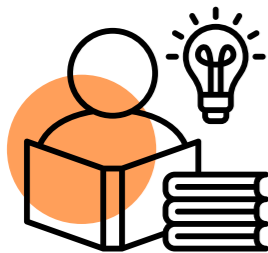
13%

MEN

87%

- **4,0%** NON-BLACK WOMEN
- **9,0%** BLACK WOMEN
- **31,0%** NON-BLACK MEN
- **55,0%** BLACK MEN

YOUNG APPRENTICE: CYCLE TRAINED 52 QUILOMBOLA AND RIVERSIDE PEOPLE



We concluded the 2024/2025 cycle of our Young Apprentice Program with the training of 52 young people, aged between 18 and 22, from Quilombola and riverside communities in the region and residents of Porto Trombetas Village. At the end, four participants were hired by the company.

The program offers benefits such as apprentice salary, health plan, cafeteria meals, and life insurance.

The initiative, in partnership with the National Service for Industrial Apprenticeship (Senai), provides income and the first step towards building a professional career. The young people participated in courses in Maintenance Mechanics and Heavy Road Equipment and Industrial Machine Maintenance Mechanics.



It's a chance that needs to be embraced in the best possible way. It's a big step, a turning point in my life, an opportunity for growth and to enter the job market.

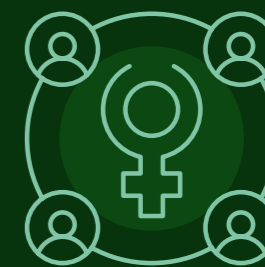
Jian Gomes, 20 years old, young apprentice resident of Boa Esperança community, in the Lake Batata region

I never thought I would get here. I see this as a gateway to other dreams. I know there will be challenges, but I want to learn, seek knowledge, and overcome each of them.

Thais de Jesus, 18 years old, young apprentice resident of Boa Vista Quilombola community



SUPPORT FOR THE AMAZONIAN WOMEN ENTREPRENEURS NETWORK



In 2025, we strengthened our social development and gender equality initiatives by supporting the Amazonian Women Entrepreneurs Network (REMA) project, executed by the Association of Women Workers of Baixo Amazonas (AOMTBAM) in the municipalities of Oriximiná, Terra Santa, and Faro.

R\$ 776 THOUSAND

Investment in actions for the development of technical, organizational, and productive capacities, stimulating female autonomy and leadership.

**325
WOMEN**

participated in workshops, lectures, and discussion circles





**R\$ 8,6
MILLION**

Invested in the Socio-Environmental Education Program (SEP), which brings together 12 projects aligned with the UN SDGs and aimed at 69 communities in Terra Santa and Oriximiná.

- Environmental and Heritage Education Project
- Environmental Education Project
- Meliponiculture Support Project
- Agroforestry Systems Support Project
- Family Agriculture Support Project
- Fish Farming Support Project
- Microsystems and Artesian Wells Project
- Malaria Control Project
- Quilombo Project
- Pé-de-Pincha Project
- Helm Project
- Copaíba Management Project

INCENTIVE FOR SUSTAINABLE DEVELOPMENT MODELS

As part of environmental conditions, we encourage the sustainable use of natural resources, generating income and conserving biodiversity in the region. An example is the Meliponiculture Project, which supports the breeding of stingless bees for honey and derivative production.

804 ATTENDANCES

in workshops, courses, lectures, and product sales

Carried out in partnership with the Municipality of Terra Santa, the project offers training and technical assistance to promote the production and sale of hives, honey, and derivatives.

Thus, residents of the communities of Urubutinga, Alema, Redobra, and Januária, in Terra Santa, find in meliponiculture a sustainable alternative for work and income generation.



VALUING CERAMISTS AND ARTISANS

We also encourage the appreciation of culture and traditional knowledge through the Environmental and Heritage Education Project (PEAP). The initiative strengthens techniques in the production of bio-jewelry and ceramic pieces, combining training with community knowledge.

**46 activities
109 attendances**

Training programs and participation in events, such as the MRN Excellence Fair and the Quilombola Fair of Porto Trombetas.



'ROOTS OF THE FUTURE' BOOSTS FAMILY FARMING

The communities of Serra, Paraíso, Nascimento, Urubutinga, Alema, and Uxi, in Terra Santa, are expanding vegetable production with the "Roots of the Future" project, executed by the municipal government with our support.

Family farmers have already received tools, seeds, seedlings, and inputs to ensure better quality and regularity in supplying food for school meals, strengthening the connection with the National School Feeding Program (PNAE).

PROJECTS STRENGTHEN RURAL PRODUCTION

Through training, technical visits, organizational strengthening, equipment delivery, and inputs, we support the increase in production and sale of cassava and its derivatives, and items such as vegetables, fruits, and grains, such as beans and coffee.

MARIA PIXI – Supported 102 families from the communities of São Tomé, São Sebastião, São Francisco, and Espírito Santo, in the Lago Maria Pixi region, with investments of R\$ 673.7 thousand.

FAMILY AGRICULTURE SUPPORT PROJECT – Serves 18 families from the Ascensão community, in Oriximiná, encouraging cassava production and cultivation of native and fruit species.

- 10 courses
- 96 technical assessments
- 297 participants
- Support for participation in four rural fairs and events



AGROFORESTRY SYSTEMS SUPPORT PROJECT – Serves 43 families from the communities of Boa Nova, Saracá, Casinha, Camixá, and Lago Batata, in Oriximiná, encouraging proper soil management, reconciling agriculture and forest conservation.

- 12 training sessions
- 145 technical assessments
- 655 participants



The project helps keep families in the countryside, strengthens food security, and creates sustainable growth opportunities for producers.

Alberto Juliê,
MRN Institutional
Relations Consultant



ENVIRONMENTAL EDUCATION AND CONSERVATION



Protecting and respecting the environment are commitments that also guide the actions of the Environmental Education Project (EEP). The initiative combines traditional knowledge and sustainable practices, strengthening the link between communities and nature conservation.

209 ACTIVITIES

2,884 PARTICIPANTS

In meetings, courses, workshops, and lectures



MAIN ACTIONS IN 2025:

- **237** community members reached.
- Completion of High School through Youth and Adult Education (EJA).
- **45** new civil firefighters trained.
- **36** people benefited with the issuance of their first driver's license or category change.
- Vocational courses for bricklayers and carpenters.

'EDUCATION FOR THE AMAZON' EXPANDS SCHOOLING AND INCOME OPPORTUNITIES

With R\$ 1.9 million invested in the project, we supported 237 people from Quilombola, riverside communities, and urban areas of Oriximiná, Terra Santa, and Faro.

- We support schooling and professional qualification through educational actions, vocational courses, logistics, food, and acquisition of materials.
- The project mainly serves young people and adults and includes courses conducted in partnership with the Interstate Social Studies Center (Cesi).





INVESTMENT IN EDUCATION PAVES THE WAY TO REDUCE INEQUALITIES

In 2025, we increased investments in the Basic Education Support Programs (PAEB) and Higher Education Support Programs (PAES) by 23.6%, reinforcing our commitment to education and reducing inequalities.

The programs are aligned with the United Nations (UN) Sustainable Development Goal 4 (SDG 4), aimed at promoting inclusive, equitable, and quality education.

With PAEB alone, we have already reached approximately 680 students since 2020, contributing to the transformation of educational trajectories in Quilombola communities in the region.

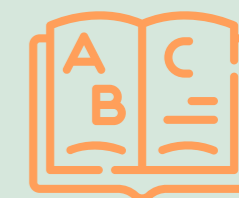


BASIC EDUCATION SUPPORT R\$ 7.7 MILLION IN INVESTMENTS

- 103 scholarships for full-time education for Quilombola people.
- Communities of Boa Vista, Alto Trombetas II, Ajudante, and Batata.
- School and didactic materials and extra-curricular content reinforcement.
- Uniforms, four daily meals, and land and river transportation.

HIGHER EDUCATION SUPPORT R\$ 440.9 THOUSAND IN INVESTMENTS

- 66 scholarships for young Quilombola people.
- Communities of Boa Vista, Alto Trombetas 1, and Alto Trombetas 2.
- Monthly study allowance.
- Logistical support for university students returning to their communities of origin.




**R\$ 8.1
MILLION
FOR PAEB AND
PAES IN 2025**




**169
SCHOLARSHIPS**


Support for food, school, and didactic materials

Services in 2025


24,879
 CONSULTAS (+14.3%)


150,234
 EXAMS (+8.3%)


750
 SURGERIES (+10%)


18,140
 EMERGENCY ATTENDANCES

HOSPITAL WITH QUALITY SEAL AND MORE SERVICES FOR THE COMMUNITY

The Porto Trombetas Hospital (PTRH) received, in 2025, the ONA Level 2 seal, which attests to its organization, safety, and patient care. In practice, this means more quality of care and more safety for those who need health care.

The unit is managed in partnership with the Vale do Trombetas Foundation (VTF) and serves employees, residents of Porto Trombetas, and neighboring communities. There are over 25 medical specialties, in addition to telemedicine and 24-hour urgent and emergency care.

With 22 beds, PTRH implemented the tomography service, which allows for faster diagnoses and avoids displacements to other cities. We also incorporated an ambulance for life support and modernized the ophthalmology service with new equipment.



QUILOMBO PROJECT CARRIED OUT 12 MISSIONS IN 2025



Through the Quilombo Project, we expanded access to health in the communities of the Alto Trombetas 1 territory.

In 2025, the project's boat carried out 12 expeditions, offering medical consultations, exams, medicines, and lectures on health and the environment.




Quilombo Project in 2025

 **1,835**
 MEDICAL ATTENDANCES.

 **83,771**
 MEDICINES DISTRIBUTED.

 **3,212**
 EXAMS REQUESTED.

 **1,890**
 PHARMACEUTICAL ORIENTATIONS.

 **1,915**
 SCREENINGS.

 **1,194**
 PARTICIPANTS IN LECTURES.

MALARIA CONTROL REACHES OVER 400 FAMILIES



Our Malaria Control Project reinforces disease prevention actions in Porto Trombetas and in Quilombola communities in the Alto Trombetas 1 territory, through insecticide spraying, lectures, and control measures for the transmitting mosquito. These actions are essential to interrupt the malaria transmission cycle.

In 2025, there were:

 **464**
 FAMILIES REACHED.

 **262**
 MOSQUITO BREEDING SITES ELIMINATED.

 **3.717**
 SURVEYS ON TRANSMITTING MOSQUITO LARVAE.

“
By making a public commitment to the protection of children and adolescents, MRN adopts a preventive and responsible stance.”

Patrícia Costa,
Program and Project
Coordinator at Childhood Brasil.



PARTNERSHIP WITH CHILDHOOD BRASIL REINFORCES PROTECTION OF CHILDREN AND ADOLESCENTS

In 2025, we signed a commitment term with Childhood Brasil, an organization linked to the World Childhood Foundation, to strengthen the prevention of sexual violence against children and adolescents.

The partnership marked the beginning of the Large Undertakings Program, which guides preventive and educational actions in the context of large construction projects. The initiative is already underway in the Transmission Line Project (TLP) and will be incorporated into the New Mines Project (NMP).

The program acts in a structured way to prevent risks, strengthen public policies, and support the Rights Guarantee System in the municipalities where we operate.

Commitment in practice

- Prevention of sexual violence in large undertakings
- Training of workers as multiplier agents
- Articulation with local protection networks
- Monitoring with methodologies and social indicators



SPORT, CULTURE, AND INCLUSION REACH 1.9 THOUSAND CHILDREN AND ADOLESCENTS

We allocated R\$ 570 thousand to sports, cultural, and Municipal Councils for Children and Adolescents (CMDCA) projects. In total, we reached over 1,900 children and adolescents in Oriximiná, Terra Santa, Faro, and Óbidos.



Sport in the City

Encourages sports practice and socio-emotional development

R\$ 240 THOUSAND IN INVESTMENTS

- Serves 300 children and adolescents in partnership with the Oscip “De Peito Aberto”.



Maré do Amanhã Orchestra

Brings classical music to communities and encourages new talents

R\$ 240 THOUSAND IN INVESTMENTS

- Serves 110 students from Colégio Equipe and Escola Municipal Novo Israel, in Oriximiná, with free violin and viola classes.
- Partnership with the socio-educational project Orquestra Maré do Amanhã, from Rio de Janeiro.



STRENGTHENING PUBLIC POLICIES FOR CHILDHOOD

We support actions for the integral development of children and adolescents.

We also supported projects of the Municipal Councils for Children and Adolescents (CMDCA) of Terra Santa, Faro, and Óbidos, with an investment of R\$ 90 thousand in 2025.

CMDCA Terra Santa

+900 CHILDREN AND ADOLESCENTS

- Projects José Santarém Music School, Grow and Learn, and Creative Curumim.

CMDCA Faro

120 CHILDREN AND ADOLESCENTS

- Projects Talent Scouts for the Future, Jiu Jitsu Faro BJJ Association, and Vôlei Faro Futuro.

CMDCA Óbidos

470 CHILDREN AND ADOLESCENTS

- Projects Always Alert Teenager in Action II; Prevention of Teenage Pregnancy; Pauxis Seed; Living Peace; and Manoel Rodrigues dos Santos Music Project.

ENGAGEMENT IN NUMBERS



53

PARTICIPATING COMMUNITIES



1.537

QUILOMBOLA AND RIVERSIDE PEOPLE INVOLVED



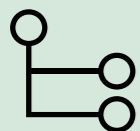
56

MEETINGS



19

SOCIO-ENVIRONMENTAL DIAGNOSTIC WORKSHOPS



OPERATING IN ORIXIMINÁ, FARO, AND TERRA SANTA

ACTIVE LISTENING AND CONTINUOUS DIALOGUE STRENGTHEN RELATIONSHIPS WITH QUILOMBOLAS AND RIVERSIDE COMMUNITIES

In 2025, we expanded our social engagement actions in Oriximiná, Faro, and Terra Santa, reaching 53 communities, 17 more than the previous year.

We held meetings and Socio-environmental Diagnostic Workshops, intensified with the advancement of the Transmission Line Project (PLT) and the expectations related to the New Mines Project (PNM), in the licensing phase.

Throughout the year, 1,537 Quilombola and riverside people participated in 56 meetings and 19 workshops. These meetings strengthen transparency, align expectations, and help identify demands, connecting our projects to community needs.

**Data for 2025*



VALUATION OF TRADITIONS

R\$ 364 THOUSAND INVESTED IN CULTURAL AND RELIGIOUS EVENTS FOR QUILOMBOLAS AND RIVERSIDE PEOPLE.

SUPPORTED INITIATIVES

- 30 years of titling of Quilombo Boa Vista
- Black Consciousness Day
- Círio de São José
- Quilombola Cup

The resources were allocated through the Mãe Domingas Associations, the Boa Vista Remaining Quilombola Community (ACRQBV), and the Communities of Gleba Trombetas and Sapucuá (ACOMTAGS), strengthening community protagonism.

COMMUNITIES REACHED



19

FAMILIES IN THE BOM JESUS COMMUNITY, IN LAGO BATATA



243

FAMILIES IN THE VILA

- Vila Ribeiro
- Curral Velho, Casinha 4
- Amapá
- Macedônia 2 communities, in the Lago Sapucaá



260 MORE FAMILIES WITH ACCESS TO POTABLE WATER



Through the Microsystems and Artesian Wells Program, we expanded access to potable water in communities in the region. The microsystem includes a tubular well, an elevated 10,000-liter reservoir, solar energy, and a distribution network with household connections, ensuring regular supply and improved quality of life.

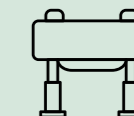
NAVIGATION SAFETY FOR THOSE LIVING ON THE RIVERS



In a region where rivers are the main means of transport, good navigation practices help protect lives and the environment. Through the Helm Project, we guide residents on river safety, correct use of protective equipment, and water care.

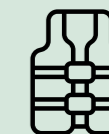


HELM PROJECT ACTIONS 2025



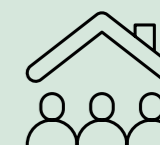
20

TRAINING ACTIONS AND EDUCATIONAL BLITZES



120

LIFE JACKETS AND INFORMATIVE MATERIALS DISTRIBUTED



2.5 mil

THOUSAND ATTENDANCES BY RESIDENTS OF AJUDANTE, BOA VISTA, BOM JESUS, AND BOA ESPERANÇA



“WHERE I WALKED WAS WORTH IT”: THE JOURNEY OF A SELF-TAUGHT RESEARCHER IN THE AMAZON

Book tells the story of João Batista Fernandes, who identified more than 100 flora species and leads our species rescue and reintroduction program, which completed 25 years.

The book “Where I Walked Was Worth It” narrates the trajectory of João Batista Fernandes da Silva, a self-taught researcher who dedicated more than four decades to the study and protection of Amazonian flora. At 82 years old, he has identified over 100 plant species and leads, here at MRN, one of the country’s most consistent environmental conservation programs.

Launched during COP30, in Belém (PA), the work also celebrates the 25th anniversary of our Flora Rescue, Salvage, Multiplication, and Reintroduction Program, which has been led by João Batista since 2008. The initiative is a reference in biodiversity conservation in the reforested areas of the Saracá-Taquera National Forest.

João Batista’s trajectory

- Native of Maranhão.
- 40+ years of field research.
- 50+ municipalities in 12 Brazilian states.
- Borders with Guyana, Venezuela, and Colombia.
- 100+ flora species identified.
- 25 years of the Flora Rescue Program.
- 217 species in MRN’s germplasm bank.



The forest was my first school and continues to be.



João Batista, researcher and leader of the Flora Rescue, Salvage, Multiplication, and Reintroduction Program



Why does this story matter?

- Values knowledge built in the territory.
- Strengthens science applied to conservation.
- Reaffirms our long-term commitment to the Amazon.
- Integrates people, forest, and responsible mining.

Contribution to science and conservation

Of the more than 100 species identified with João Batista’s participation, 18 were discovered in research conducted at MRN, in the Flona Saracá-Taquera.

Another advance is the creation of a germplasm bank with 217 species from 20 botanical families, which supports scientific research and ecological restoration actions in Western Pará.



João carries the sensitivity of someone who knows the forest by its smell and textures. His work is science, but it is also culture, memory, and future.

Laércio da Silveira Soares Barbeiro, researcher and book organizer



Learn more about the publication. Insert QR Code.

AT COP30, WE SHOWED THAT MINING AND FOREST CAN GO HAND IN HAND

The launch of the book "Where I Walked Was Worth It" and the work of our flora rescue and reintroduction program were part of the sector's agenda at COP30.

We participated in the CronoEcológica Arena, a space conceived by the Brazilian Aluminum Association in the Free Zone, which received over 10,000 visitors per day, bringing the sector closer to society.

On November 17, during the panel "Regenerative Businesses: sustainability with roots in the territory," we showed how science, technology, and traditional knowledge can strengthen forest economies and expand opportunities for communities.



We showed that it is possible to mine sustainably, with respect for the forest and the people who share it. After 46 years in the Amazon, we share practices that are part of our routine, such as reforestation, community strengthening, and biodiversity conservation.

Guido Germani, CEO of MRN.



Tânia Rêgo - Agência Brasil



At COP30, we presented the Brazilian aluminum value chain as an active part of the energy transition and in building a more just, innovative, and sustainable global future.



Janaina Donas, Chief Executive Officer, ABAL



OUR NURSERY: 527 THOUSAND SEEDLINGS TO CONSERVE AND RESTORE THE FOREST

Our Forest Nursery is a fundamental part of the ecological restoration work of mined areas. In 2025, we produced 527,745 seedlings of 108 native species, contributing to biodiversity conservation and income generation for communities.

57 COLLABORATORS FROM TRADITIONAL COMMUNITIES

Involved in different stages, from seed collection to cultivation and planting of seedlings.

In the nursery, we carry out the processing and screening of seeds, substrate preparation, and monitor the development of seedlings in seedbeds, nurseries, and acclimatization areas until the time of planting.

Among the native species cultivated are

- Itaúba
- Cumaru
- Jacarandá
- Angelim
- Ipê amarelo
- Castanha-do-pará
- Copaíba

REFORESTATION: 455 THOUSAND TREES OF 101 NATIVE SPECIES PLANTED

In 2025, we planted 455,954 seedlings of 101 native species as part of the Degraded Area Recovery Program (DARP), which seeks to restore mined areas and bring them closer to their natural characteristics.

8,052 hectares already reforested by MRN until 2025

PERMANENT CARE FOR AMAZONIAN BIODIVERSITY

Before suppression activities, in 2025 we rescued 7,236 specimens of 99 native species, so that these plants could be preserved and reintroduced into the natural environment during the area recovery process.

We also reproduce species to increase plant diversity in reforested areas. In MRN's Epiphytarium, a space dedicated to cultivating orchids and bromeliads, we multiplied over 11,000 specimens throughout 2025.

R\$ 8.1 MILLION

Transferred to the Chico Mendes Institute for Biodiversity Conservation (ICMbio) between 2021 and 2025 to support inspection and conservation actions in the Saracá-Taquera National Forest and the Trombetas River Biological Reserve. The resources help preserve 849 thousand hectares of Amazon forest. Our operations occupy only 2.1% of this total.



FOREST THAT GROWS BACK



527,745
SEEDLINGS
PRODUCED



455,954
TREES
PLANTED



108
NATIVE SPECIES
CULTIVATED



8,052
HECTARES ALREADY
REFORESTED



COMMUNITIES SUPPLY 95% OF SEEDS USED IN THE NURSERY

Seedling production for reforestation has valuable contribution from communities.

- R\$ 250 thousand in purchases.
- **2.3 tons of seeds from 100 native species** from collectors from the Boa Nova and Saracá communities, in Oriximiná (PA).

Through the Seed Collector Network Project, we offer training to improve techniques for collecting, processing, storing, and commercializing seeds.

The initiative is supported by Redário, an institution that articulates collector networks throughout Brazil, and the Association of Communities of Glebas Trombetas and Sapucaá (ACOMTAGS).



Check out the **Seeds of the Future** web series here



It's been almost three years with MRN's support to train the community. In the market, to add value, you have to have good quality. And we achieved that by knowing how to collect and process.

José Sarmento (Zeca), coordinator of the Boa Nova Community

It's not just income for the community, but also a future for the areas that are being reforested. It's a legacy for the community and for the planet.

Josineide Castro, collector



We have a very solid partnership with MRN. One of the good things they did was give this opportunity for families to have a certain independence and improve their lives.

Emerson Carvalho, diretor administrative director of the Association of Communities of Glebas do Trombetas and Sapucaá (ACOMTAGS), which represents 30 communities in the region

When MRN acquires seeds from the community, it generates income, gives visibility to the process of adding value to the region, and strengthens the sense of belonging.

Jocenildo Marinho, MRN environmental analyst





31

TAILINGS STORAGE FACILITIES WITH STATEMENTS OF STABILITY CONDITION



62

REGULAR SAFETY INSPECTION REPORTS

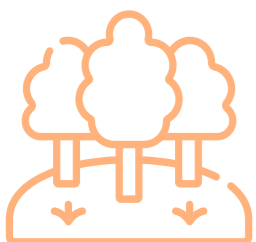
TAILINGS MANAGEMENT: SAFETY FIRST

All of our 31 tailings reservoirs and two sediment dams have valid Stability Condition Declarations with the National Mining Agency. This recognition confirms the safety of the structures and the solidity of the tailings management system, aligned with the Global Industry Standard on Tailings Management (GISTM).

Throughout 2025, we issued 62 Regular Safety Inspection Reports with technical evaluations on the structural, operational, and environmental conditions of our structures. Our tailings management system has 24-hour monitoring with satellite assistance and Emergency Action Plans for Dams with safety protocols that are shared with employees and communities.



DID YOU KNOW?



Our tailings structures are built in a single stage and on flat terrain, based on global engineering practices that increase stability and operational control.

As they are located at the top of plateaus, they receive only rainwater that falls directly on the area. Unlike dams built in valleys, these structures do not receive the volume of water from other watercourses in the region.



- 24/7 monitoring.
- 1,000 sensors installed.
- Piezometers for measuring water pressure.



DAILY INSPECTIONS BY SPECIALIZED TECHNICIANS AND ENGINEERS.



SYSTEMS FOR DATA PROCESSING AND CLOUD STORAGE.



SATELLITES FOR MEASURING SURFACE VARIATIONS.



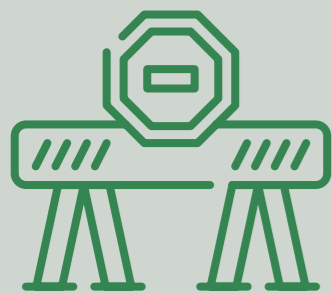
REMOTELY ACTIVATED SIRENS.



Learn more by accessing the QR Code

Transparency in tailings management

To expand public access to information about our structures, in 2025 we launched an interactive online platform with updated technical, operational, environmental, and social data on our reservoirs and dams.



SEMINARS CLARIFY DAM SAFETY

In 2025, we held four guiding seminars on the Emergency Action Plan for Mining Dams (EAP), attended by 82 residents from the Saracá, Boa Nova, Boa Vista, and Água Fria communities.

In the meetings, participants got to know our operations up close and understood how the tailings management system, geotechnical monitoring, and structural safety tools work, in addition to clarifying doubts.



DRILLS REINFORCE COMMUNITY GUIDANCE

Although there are no communities located in the Self-Rescue Zones of our tailings structures, we conducted two drills in 2025 (one practical and one theoretical) to test response protocols for risk or emergency situations.

The practical exercise involved operations teams, brigadists, and volunteers, as well as the Civil Defense of Oriximiná and the 4th Military Firefighting Group of Santarém. The training took place in the Saracá Leste and Saracá Oeste mines, concluding in the Boa Vista community, allowing for evaluation of evacuation routes, communication, and integration among teams.

EAP ACTIONS

- **Community visits to tailings structures**
- **Educational seminars and meetings**
- **Practical and theoretical drills**
- **Distribution of booklets and informative folders**
- **Testing of emergency sirens**
- **Simulation exercises of the EAP notification flow**



402 TONS OF RECYCLED WASTE IN PORTO TROMBETAS



We increased the volume of urban waste destined for recycling by 16.5%, reaching 402 tons in 2025. In total, our Urban Solid Waste Treatment Center (CTR) received 13,525 tons of organic and inorganic waste throughout 2025.

At the CTR, we sort materials to determine the appropriate destination: recycling, composting, or landfill. Only 9% of the total goes to landfill, which contributes to extending the Center's lifespan.



WASTE TRANSFORMED INTO FERTILIZER



We produced 453 tons of organic fertilizer from waste generated by village residents and industrial restaurants.

The composting process, carried out at our CTR, takes 90 to 110 days, and the fertilizer produced is used in green areas of Porto Trombetas village itself.

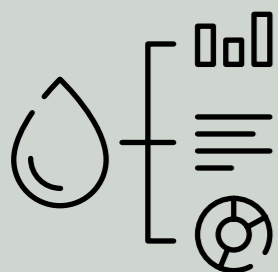
99.8% OF INDUSTRIAL WASTE REUSED



Our Discarded Industrial Waste Center (CRID) received 5,084 tons of materials in 2025. Of this total, 99.8% were recycled or destined for reuse.

The modern structure has sorting areas, storage sheds, and a high-capacity scale, ensuring responsible management of industrial waste.





301 MONITORING POINTS

Trombetas River, streams, lakes, springs, and underground wells

WATER QUALITY MONITORED AT 301 POINTS

Analyses follow environmental standards and include community participation.

Our Water Control and Monitoring Program (WCMP) tracks water quality at 301 points in the region, including the Trombetas River, streams, lakes, springs, and underground wells..

Variations (1.85%) are mainly associated with the natural geochemical characteristics of the Amazon.

- Analyses follow parameters from the National Environment Council (Conama), linked to the Ministry of Environment and Climate Change.
- Results are shared with control bodies, through the Environmental Performance Report (EPR), and with communities in the region.

MONITORING WITH COMMUNITY PARTICIPATION

Community residents follow the sample collection process and receive analysis results. This participation strengthens transparency, dialogue, and the monitoring of our operations in the region.

HOW IT WORKS

1. Disclosure of the annual collection calendar..
2. Prior communication about dates and points.
3. Collection of water samples.
4. Laboratory analyses.
5. Delivery of results to leaders.



95,615 ANALYSES PERFORMED IN 2025

49 water quality parameters evaluated
98.15% compliance





We had a technical and reputational challenge, but also the opportunity to turn this page with transparency and truth. This recognition is the result of a collective effort involving employees, partners, academia, and communities.



Ana Rita Freitas,
MRN Communications
Manager

EFFORT RECOGNIZED: RECOVERY OF LAKE BATATA WINS ABERJE AWARD 2025

Award-winning case shows how applied science and transparent communication can drive environmental recovery.

We won the Aberje Award 2025, Brazil's main corporate communication recognition, in the Multi-stakeholder category, with the case presenting the more than 30-year trajectory of ecological restoration of Lake Batata, in Oriximiná (PA).

The recognition highlighted our choice for clear, accessible, and evidence-based communication, transforming an environmental liability from the 1980s into a journey of learning, science, and transparency.

WHY THE CASE WAS AWARDED

- Clear and evidence-based communication.
- Long-term project with concrete results.
- Clarification of historical myths about Batata.
- Integration between science, territory, and communities.
- Coherence between discourse and practice.



Lake Batata symbolizes our ability to learn, evolve, and do things differently. It is an example that it is possible to reconcile mining and environmental conservation with science and responsibility.



Guido Germani, CEO of MRN



Learn about
the restoration
journey of
Lake Batata.

3RD EDITION | 2026



Mineração Rio do Norte S. A.
Rua Rio Jarí s/nº Porto Trombetas
CEP 68275-000 Oriximiná - PA