





LETTER FROM THE CEO

Sustainability is central

2022 was a challenging year for our business and for the global economy. We have remained focused on operational performance and the execution and delivery of our key projects, which includes the expansion of production at Cobre Panamá, one of the world's top 10 copper mines. Panama should be proud of its significant contribution to the world's energy transition through copper from a responsibly operated mine. Robust environmental, health and safety performance and strong community relations help us to drive operational efficiencies and performance.

Copper is the future

Copper is essential to the world's transition to renewable energy. It's a core component in electrical networks, solar panels, wind farms and electric vehicles, crucial due to its electrical and thermal conductivity. As the world transitions to more sustainable and lower carbon sources of energy, significantly increased volumes of copper will be needed to achieve global decarbonisation targets. Furthermore, the demand for the metals that we mine, and the contribution that our mining projects make to society, are key to drive socioeconomic development, both in Panamá, and across the globe.

Responsible Mining

Although 2022 brought about a range of challenges for our business, the future looks exciting for both First Quantum and Panamá. I'm proud of the contribution that our responsible mining makes to society and I believe First Quantum is the right company to deliver the energy metals needed for the 21st century.

TRISTAN PASCALL

FIRST QUANTUM MINERALS

LETTER FROM THE GENERAL MANAGER

Driving economic growth

Cobre Panamá represents an important contribution to the country's economic growth and prosperity. With more than \$10 billion invested in Panamá to date, Cobre Panamá is the largest private investment in Panamá's history. 40,000 direct and indirect jobs are generated by our mine, and we spend around \$20 million every week with more than 2,000 local suppliers and Cobre Panamá contributes more than \$2.5 billion to Panamá's GDP.

Sustainable in our approach

We're committed to the development of our neighbouring communities through our education and livelihood programs, and we take seriously our commitment to the environment in which we operate. We have implemented an ambitious program of conservation, rescue and environmental restoration to support Panamá's rich biodiversity.

Benefiting Panamá

Cobre Panamá positions the country globally as an important producer of copper, a critical mineral necessary for the development of clean energy technologies to decarbonize the global economy and address climate change.



GENERAL MANAGER COBRE PANAMÁ



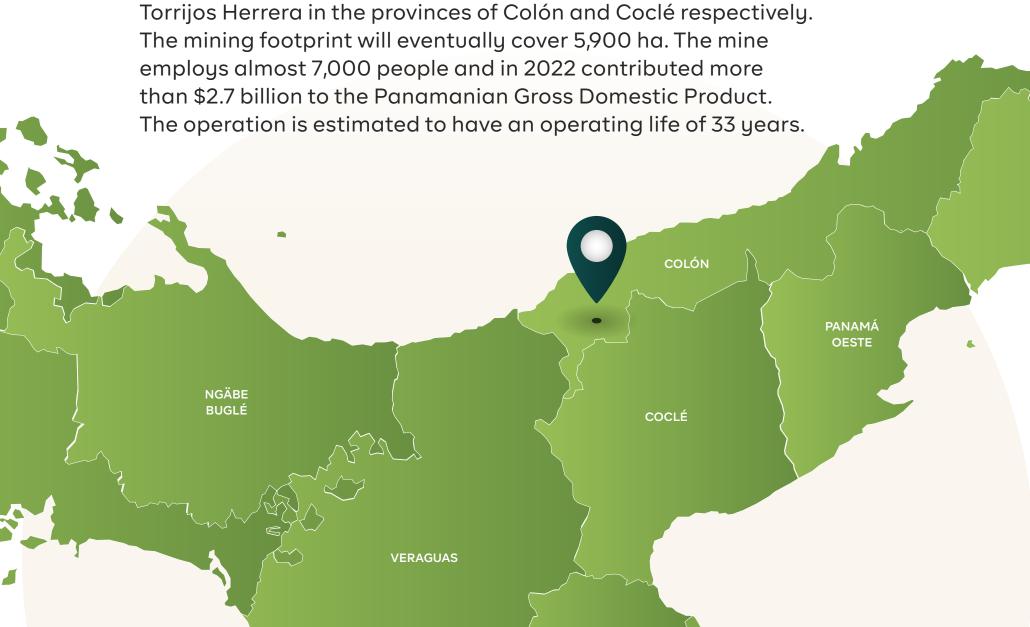
Cobre Panamá



Minera Panamá at a glance

SUSTAINABILITY REPORT 2022

Minera Panamá's investment into the Cobre Panamá project is recognized as the largest private investment project in the history of the country. The Cobre Panamá concession is located 120 kilometers west of Panama City and 20 kilometers from the Caribbean coast, in the municipalities of Donoso and Omar Torrijos Herrera in the provinces of Colón and Coclé respectively.



LOS SANTOS



OUR OPERATION

billion contribution to Panamá GDP*



water reused in our operations reused



Paid to Panamanian suppliers



direct and indirect formal jobs nationwide



Panamanian



from the interior of the country



\$0.8 M/HA
Contribution to the Panamanian
GDP per hectare of the project footprint





of Panamá's total foreign investment during the

period 2017 - 2020





More than invested in Panama



Panamanian suppliers do business

with Minera Panama



in social programs to date



vessels exported through the canal carrying concentrate GRI 203-2, 204-1



\$206M

Labour

\$375M*

Tax

\$375 million in taxes and royalties relating to 2022 will be paid by Minera Panama following approval of the refreshed concession contract by the Government of Panama

Social Security

Panamanian Registered Suppliers Direct contribution to the Panamanian Economy in 2022 40

30

20

10

0

Copper demand, tonnes (millions)



350,000 TONNES

Minera Panamá copper production, 2022

3 TONNES COPPER PER 1MW SOLAR 134
GW SOLAR

Energy transition copper demand

Non-energy transition copper demand

31 TONNES OF COPPER PER OFFSHORE WIND TURBINE 11,000+
OFFSHORE WIND
TURBINES

53 KGS COPPER PER ELECTRIC CAR

6.5 M+

ELECTRIC CARS

2021

2025

2030

2035

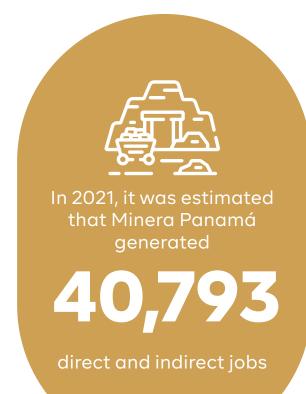
2040

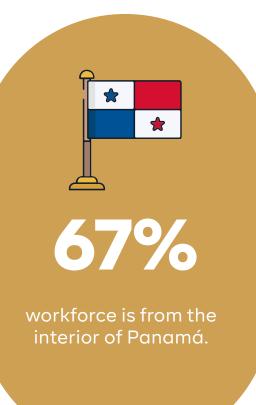
2045

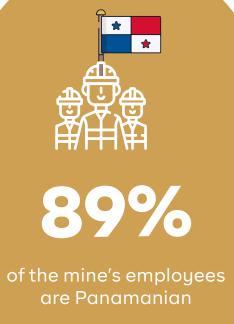
2050



We have generated more than 40,000 jobs in Panamá. This is equivalent to 2.3% of the total employment of the country.









Woman selected for the Trade School Learnership Program GRI 404-2

PROFESSIONAL | DEVELOPMENT AND TRAINIG

People will always be at the heart of Minera Panamá's success. Creating a culture and environment that continues to develop, attract and retain talent is therefore a top priority. Our people development strategy covers the growth of the entire team and includes a range of interventions including face-to-face on site-training, online training, as well as financial support to Panamánians studying in Panamá and abroad. The communities living near to the mine are always a priority for us and it is why we have invested in and developed the Trade School in La Pintada.



Invested in La Pintada Trade School Learnership Program in 2022.



in the Trade School Learnership Program in La Pintada in 2022.



Panamanians sponsored to complete Masters Degrees in Mining in Canada in 2022.

graduated from basic supervisory skills training in 2022.



Invested in the La Pintada **Trade School to date**

DIVERSITY AND INCLUSION

We treat our employees fairly and with respect. We promote diversity and inclusion in the workplace and strive to provide an environment that offers equality of opportunity, and is free from harassment, violence and intimidation.

The mining industry faces challenges in attracting science, technology, engineering and maths (STEM) graduates to become the next generation of miners. Furthermore, the industry has historically had low representation of women. In recognition of the benefits that come with a diverse workforce, we have focused on how we can attract women to STEM related careers at Minera Panamá. Our training and development programmes are designed to ensure equality of opportunity thereby improving the representation and advancement of women in our workforce. Approximately 30% of the learners at the La Pintada Trade School are women.



+50%

of the participants in Power Station and Mining Engineering Trainee programs are female



30%

of the learners at the La Pintada Trade School in 2022 were female



Of Cobre Panamá employees are under the age of 30



OUR OPERATION

ECONOMIC VALUE

OUR TEAM

ENVIRONMENT

COMMUNITY

Our environmental management was born from the Environmental Impact Study, approved in 2011, which is recognized as being one of the most complete in the region

Environmental Commitments



ndepende

audits reporting to the government over the last 5 years



499

Auditor days on site since 2000



36

independent government mandated audits since inception



Compliance in 2022 to environmental conditions established in the project Environmental Impact Assessment

cleared hectare *

\$920 / ha

Agriculture

Gross Domestic Product

contribution in 2022 per

FOOTPRINT

Since 2000, less than 1% of tree cover loss in Panama is as a result of Minera Panama. Almost half a million hectares has been cleared by shifting agriculture.

Minera Panama's annual contribution to GDP per hectare cleared is over 900 times that of agriculture.

Tree Cover Loss in Panamá**

ha tree cover cleared in Panamá from 2000 to 2022** Others
11,941 ha

Minera Panamá
3,305 ha

Shifting Agriculture
467,909 ha

ha tree cover cleared in Panamá in 2022**

Others
119 ha

Minera Panamá

225 ha

Shifting Agriculture
16,983 ha

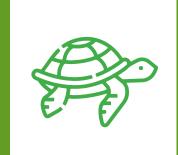


GRI 304-3

PROTECTED AREA AND SPECIES SUPPORT







Sea Turtle Conservancy

Monitoring and researching of sea turtles from Bocas del Toro to Colon, an area with one of the world's most important turtle populations.



Frog Conservation

From an initial population of 107 pairs, we have successfully bred over a thousand individuals.



Harpy Eagle Conservation

Cobre Panama collaborates with the Peregrine Fund to conserve 40,000 ha of Harpy Eagle habitat.



35+

ha of conservation areas supported for every ha cleared



210K

ha of protected areas supported



\$3M

investment in protected areas

ECONOMIC VALUE

2040+

Conditions for secondary forest created

2022+

SUSTAINABILITY REPORT 2022

Commencement of indigenous vegetation experimental plots on rehabilitated mining areas

2016+

Hydroseeding to stabilise soils

8 ha project to date

400 ha project to date

2020-2023



12,000

seedlings planted



68,000

Seedlings of native species produced



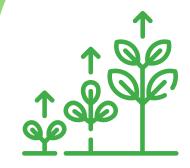
80

Species have been produced and 8 species from seed germination



\$500K

Micro-propagation lab successfully managing to grow 11 species of concern



96%

Survival of 10 species of concern



400

ha square meters hydroseeded for erosion control

to reforest more

This reforestation represents

more than a third of the life

than 4,200 ha

of mine commitment

nationwide.

REFORESTATION OUTSIDE OF OUR MINE FOOTPRINT



7,976

ha life of mine commitment to reforest areas outside the mine footprint



+700

ha reforested during 2022





4,200 ha reforested outside the mine area **OUR OPERATION**

ECONOMIC VALUE

OUR TEAM

ENVIRONMENT

COMMUNITY

15

GRI 303-4, 303-5

The drainage of the mine is physically not connected with the catchment of the Panamá Canal.

INPUTS

OUTPUT

The difference between the input and the output is the change in the volume of stored water

Reuse (78%) * 30.7 M m³

Discharge 104.3 M m³

Evaporation and Task Loss 41.2 M m³

153.5 M m³ Creeks

0.2 M m³

Groundwater

2,1 M m³

tal water outputs. Comparison

Rain

Canal de Panamá

6,080 M m³

Cobre Panamá

145 M m³

423 M m3 of sea water was withdrawn in 2022 for cooling water at the Cobre Panamá power station, of this 423 M m³ was discharged. Since this use of water is not directly used for mining operational processes it is not included in the above water input and output diagram. *Calculated in accordance with the International Council on Metals and Mining (ICMM) - Water Reporting Good Practice Guide, 2nd Edition





ECONOMIC VALUE

Real Time Water Quality and Quantity Monitoring

pH, Dissolved Oxygen, Turbidity, Temperature, Specific Conductivity, Oxidation-Reduction Potential, Total Suspended Solids, Water Flow



Compliance **Monitoring**

Full range of physical and chemical parameters Monitored 4 x per month. Reported to MiAmbiente every 6 months in accordance with permit. Analyzed at an internationally accredited laboratory. Full compliance since permit issued



Participatory Community Monitoring

With the guidance of an independent international expert, fourteen communities monitor the quality of rivers



Ecosystem Protection

International specialists assess aquatic fauna population, species richness and overall abundance.





The mine is located in a different drainage catchment to the Panamá Canal.



Quantity of fish biodiversity and quality: No change was evidenced during the quarterly studies carried out.



+260

water quality monitoring points around the mine





cameras monitoring physical water quality



control stations to measure parameters in both real time and GRI 305-1, 305-2

GREENHOUSE GAS EMISSIONS



Reduce coal generation power reliance by up to 50%

Planned

We first expect to transition half the energy currently provided by our Punta Rincon coal-fired power station to alternative lower carbon sources, including renewables. We then expect to transition away from coal entirely by 2030.

Scope 2: 104



Transition entirely away from the Punta Rincon coal-fired power station to lower carbon sources of energy, likely through a combination of renewables and natural aas.

In progress

A study of the power market, including supply and demand, has been commissioned. This will inform us of the requirements for power generation in Panamá and identify how Minera Panamá can support new lower-carbon power generation in Panamá as we seek to lower the greenhouse gas emissions of our operation. Key considerations are ensuring a reliable power supply to operations that is commercially viable and cost effective power and consistent with a just transition.



Achieved

Renewable power agreement in place with AES Panamá for the CP100 expansion from 2024.

Greenhouse Gas Emissions 2022 (kt)



OUR OPERATION

Casa, Comunal, de Coclesito

18

GRI 413-1

COMMUNITY RELATIONSHIPS

5

Five full-time
community engagement
professionals meet
various communities
through one-on-one
sessions, focus groups,
and community
gatherings

1

COMMUNITY

Dedicated Grievance
Officer handles
community grievances
related to work
opportunities,
environment
complaints, and
community safety

13

Community
Participatory
Commitees provide input
towards the initiation
and development of
all community related
projects

100%

of the project's
resettlement was
completed in accordance
with the International
Finance Corporation's
Performance Standards.
The project provided
indigenous communities
with the opportunity of
Free, Prior and Informed
Consent





Our investment focused on the improvement of infrastructure of educational centers, housing and community spaces

Infrastructure investment in 2022



Significant Investment in infrastructure in Coclé and Colón through the ongoing realignment and maintenance of the Llano Grande Road. The Llano Grande Road, which is open to all communities in the area has seen significant improvements over the years in terms of its accessibility and commuter safety.



Construction of a new vegetable and fruit depot for the Association of Producers of Donoso La Pintada (DONLAP). The depot provides for the efficient collection, cleaning, packaging and distribution of locally grown produce from local farmers.



Construction of the trades school for Industrial Professionals of Cobre Panamá.



OUR OPERATION

ECONOMIC VALUE

OUR TEAM

ENVIRONMENT

COMMUNITY

20

LIVELIHOODS

development activities taking place over the course of 2022.

8 DECENT WORK AND ECONOMIC GROWTH



2 HUNGER



10 REDUCED INEQUALITIES



Invested in 2022



DONLAP continues to provide the mine with locally grown fruits and vegetables from our communities.

The economic development efforts at Cobre Panamá are focused on sustainable

job creation which led to the formation of 7 new duly registered cooperatives. The

Some of the cooperatives have become mature producers of environmentally

cooperatives service not only the mine, but 'also' local market and other global firms.

sustainable products. Other cooperatives are being pilots with training, planning and



Minera Panamá provided business planning and administrative support to the Community Committee for Socioeconomic Development of Cascajal (CCSDC). The CCSDC manages a fish farm and provides fish stock to 34 privately owned fish farms in the area



Minera Panamá donated equipment, infrastructure and provided administrative training to the Emilia Amparo Multiple Cooperative (COSMAE). COSMAE is a woman's only cooperative that produces tortillas to local markets and restaurants.



Minera Panamá donated 20 sewing machines and provided training to the Cooperative of Multiple Services of Handicrafts and Textiles (COSMATEX).



Atlantic Region Tourist Adventures (ATUR) received training in tourism as well as equipment for the initiation of tourism ventures in the areas around the mine.



Agroindustrias La Ceiba received technical training, business development training and equipment to facilitate the production of coffee. The programme includes 32 farmers and covers approximately 400 ha.



of sales by DONLAP in 2022



167

Families engaged in the production and marketing of agricultural products



350T

of produce sold in 2022 The Cobre Panamá reforestation project provided me with an opportunity to contribute to planting coffee plants with Agroindustrias "La Ceiba." This experience led to gaining knowledge in coffee processing and production, with the most rewarding benefit being able to support the environment and the community. Expert training ensured the initiative's sustainability.

Paula Garcia / Agroindustrias La Ceiba



Scholarships provided from primary

sponsored 260 university graduates.

school to university. Minera Panamá has

EDUCATION QUALITY EDUCATION Investment into the La Pintada Trade School

Trade School

We built an educational center for the preparation of specialized technicians for the industrial and mining sector. The opening of the educational complex had an investment of \$ 5.3 million.

We support educational institutions through the creation of opportunities and benefits that contribute to improving the quality of education of children and young people.

investment into education programs in 2022

Minera Panamá provided 1 meal a day for 6,700 students in over 70 schools in Danoso, La Pintada and Omar Torrijos in 2022

In collaboration with Nutre Hogar, Minera Panamá has developed an early childhood stimulation program for 360 children in Coclecito, Nueva Sinai and Villa del carmen

Investment into sports, arts and culture programs in 2022

We support various sports initiatives that promote physical activity and teamwork. Through cultural programs and artistic activities, we seek to strengthen the cultural identity of neighboring communities and preserve their heritage.



SUSTAINABILITY REPORT 2022

WELL-BEING



We collaborate with institutions and non-governmental organizations to ensure the wellbeing and comprehensive health of the population, especially the most vulnerable groups.

invested in improving the health and well-being of our communities in 2022



In collaboration with the FundaAyda and Project Care, Minera Panamá secured a donation of +650K worth of medical equipment. In addition to facilitating the donation, Minera Panamá provided all of the logistics and transportation for the equipment.



\$113K

Donated for the Miguel de la Borda Health Centre in Donoso

Construction of a laboratory for the Gorgas **Memorial Institute** with the objective of expanding seroprevalence studies in the country, \$100,000 per year for four years.

2022 SUSTAINABILITY REPORT DATA SUMMARY

KPI	UNITS	2022	2021	2020		
AIR/EMISSIONS						
Sulphur Dioxide (SO2) emissions	Metric tonnes	864	766	192		
Particulate Matter (PM) Emissions	Metric tonnes	7	9	6		
Nitrogen oxides (NOx) Emissions	Metric tonnes	1 518	1632	1714		
TOTAL OPERATIONAL WATER WITHDRAWAL						
Water withdrawal: sea water	Megalitre	423 059	438 064	468 517		
Water withdrawal: fresh surface water	Megalitre	153 534	133 820	111 960		
Water withdrawal: groundwater	Megalitre	2 153	4 253	1 361		
WATER DISCHARGE: SEA WATER						
Water discharge: sea water	Megalitre	422 401	437 383	467 789		
Water discharge: fresh surface water	Megalitre	104 310	103 155	91 217		
Water discharge: groundwater	Megalitre	0	2 232	2 727		
Operational Water Consumption	Megalitre	41 200	35 115	40 373		

KPI	UNITS	2022	2021	2020		
GHG EMISSIONS						
SCOPE 1 - GHG EMISSIONS	Kt of CO2 equivalents	2 359	2 314	2 183		
SCOPE 2 - GHG EMISSIONS	Kt of CO2 equivalents	104	85	21		
ENERGY CONSUMPTION						
Renewable Electricity	TJ	864	766	192		
Other Electricity	TJ	270	166	42		
Hydrocarbon Fuel	TJ	9 740	9 572	7 608		



Cobre Panamá

SUSTAINABILITY REPORT 2022

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