



Consejo Minero is the trade association that brings together the large scale mining companies operating in Chile. Its main objective is promoting the competitive and sustainable development of chilean mining.

We present **Mining in Numbers**, a book that shows the main figures of the mining industry in Chile in a different, simple and entertaining way.

Find updated figures and discover the production process on our website: www.consejominero.cl

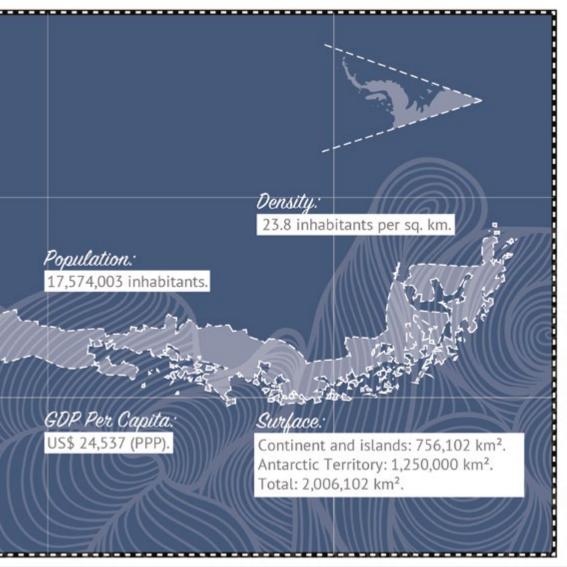










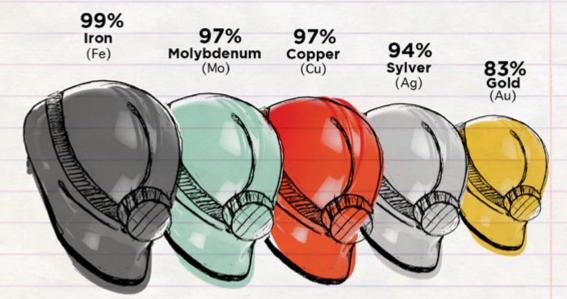


Large-scale mining takes place in 7 regions.



In 1870 Chile positions itself as the estatos unos#1 exporter of copper in the world.

Participation of large companies in the Chilean mining production:



CHILE IS A LEADER

SHARE OF GLOBAL PRODUCTION.



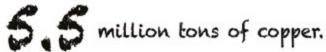
COOPER PODUCTION IN CHILE:



Copper extracted per ton of rock processed:





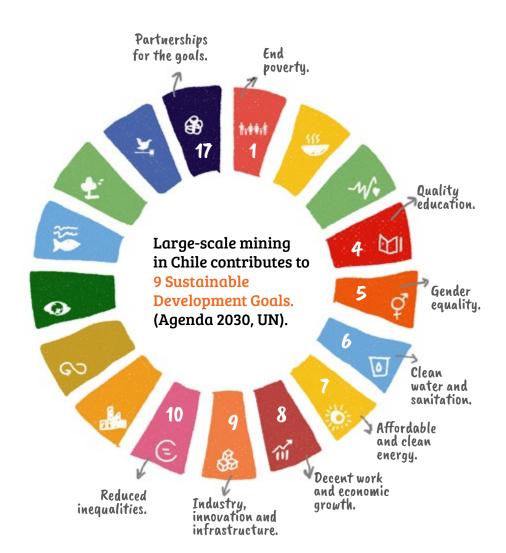




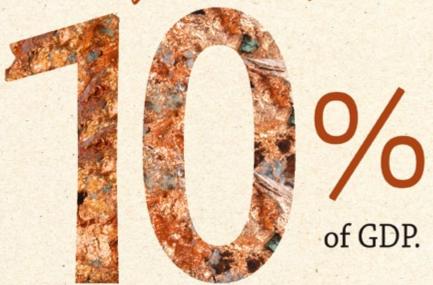








Mining accounts for



It contributes

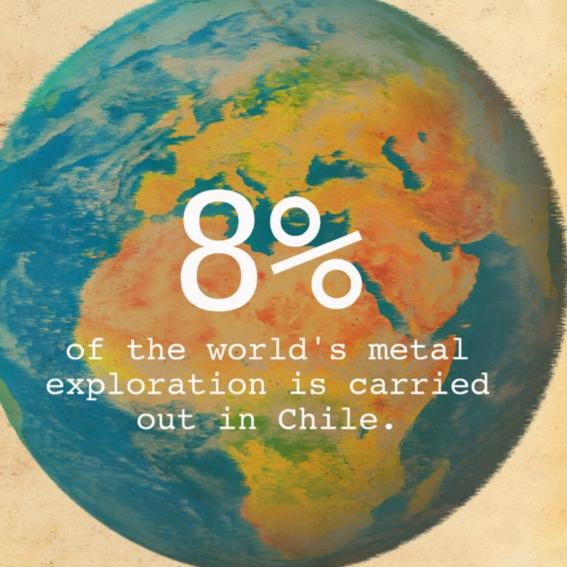
54%

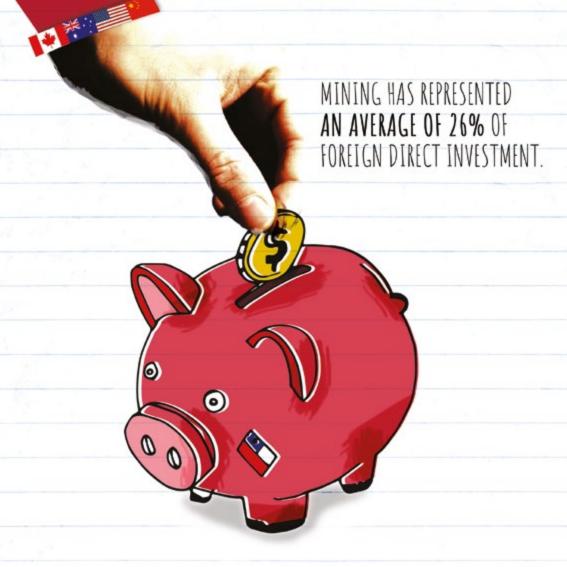
of the GDP of the Region of Antofagasta.



90%OF MINING INDUSTRY REVENUE GOES TO:







Chiral is the biggest consumer of:

50%



31%

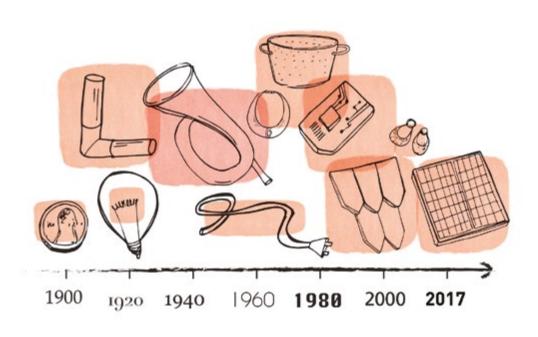


Mining generates
95%
of exports

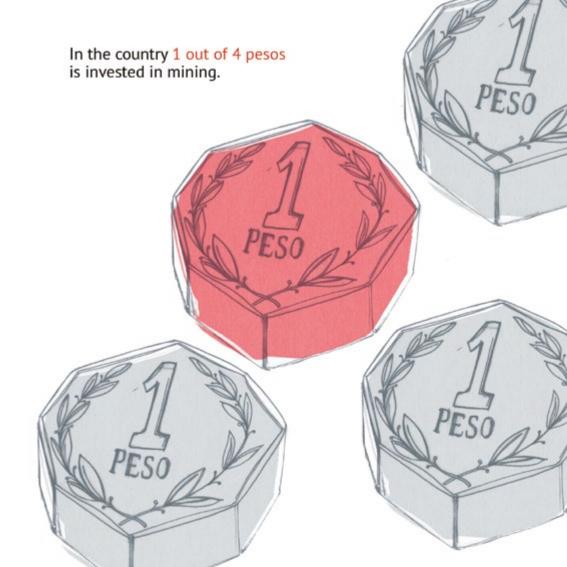
lquique

Region Tarapacá.





2/3 OF THE 550 MILLION TONS OF COPPER PRODUCED SINCE 1900 ARE STILL IN PRODUCTIVE USE.



Chile exports copper in two ways





mostly cathodes, which have a purity of 99.99% copper.



has a purity of 30% copper.

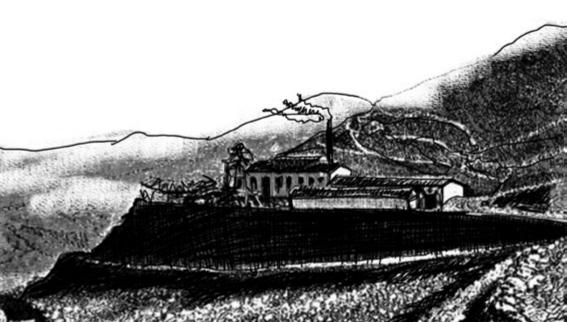
Mining products represent over

55%

of exports.

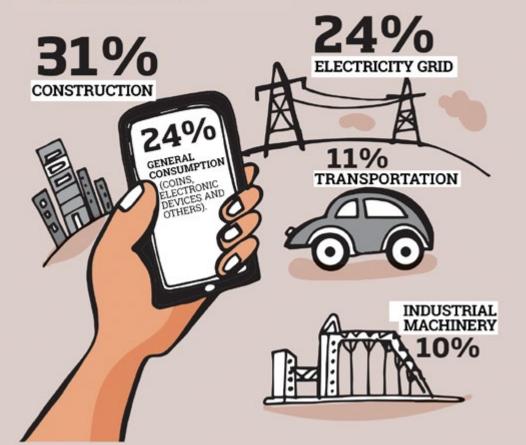


The discovery of Chañarcillo in 1832 produced an explosive growth in silver production.



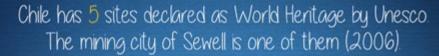
chile, year 2005 Retablishes A Specific Tex Over Mining Activity To this day, US\$ 7,000 million has already been Chilean Law "ROYAITY". releed.

Uses of copper worldwide





IS EXTRACTED FROM OPEN PIT MINES.





a big challenge

THE ANNUAL PRODUCTION OF COPPER IN CHILE COULD INCREASE FROM 5.5 MILLION TONS IN 2017 TO 7.6 MILLION TONS IN 2028, IF ALL MINING PROJECTS IN THE PIPELINE ARE IMPLEMENTED.

The development of a new mining project can easily take:





A large-scale SOPPER MINE PROJECT HAS AN Albertage lifespan of 20 years and produces 100,000 tons annually.





THAT COMES FROM "AURUM", A LATIN WORD THAT MEANS "BRIGHT SUNRISE".

Salaries in the mining sector are 70% higher than the country average.





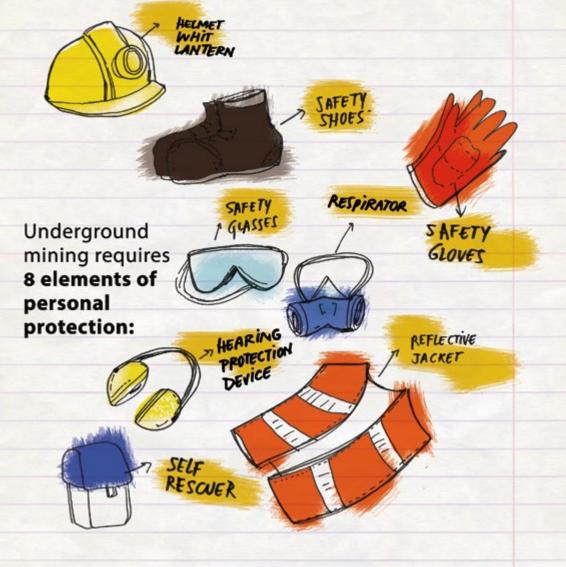
most important copper mines in the world are in Chile (Escondida, Collahuasi, El Teniente, Pelambres, Radomiro Tomic and Los Bronces).





MINING MAKES A DIRECT CONTRIBUTION OF 3% TO THE COUNTRY'S EMPLOYMENT

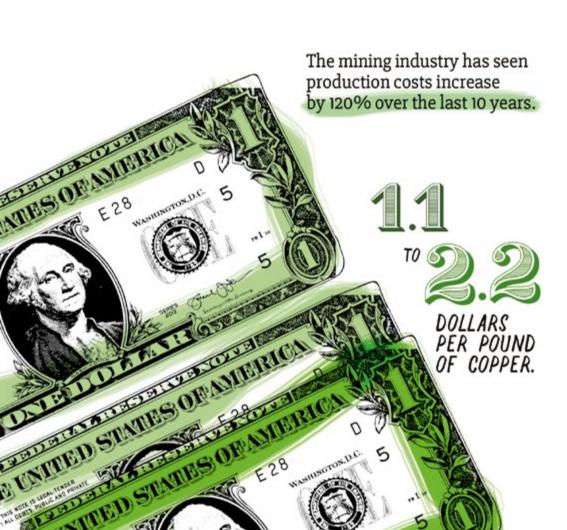
BUT IT IS ESTIMATED THAT 2.55 INDIRECT JOBS ARE GENERATED FOR EACH DIRECT JOB TOTAL EMPLOYMENT IN MINING REACHES 9%



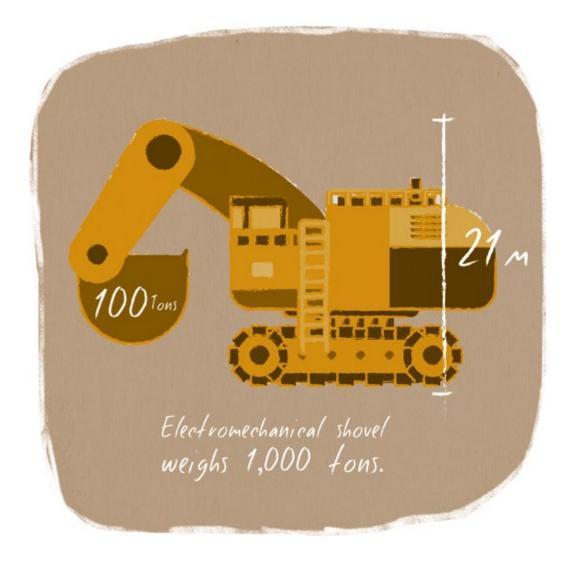


mining has the lowest accident rate per economic sector in the country.

1.3% vs. 3.4% (country average)



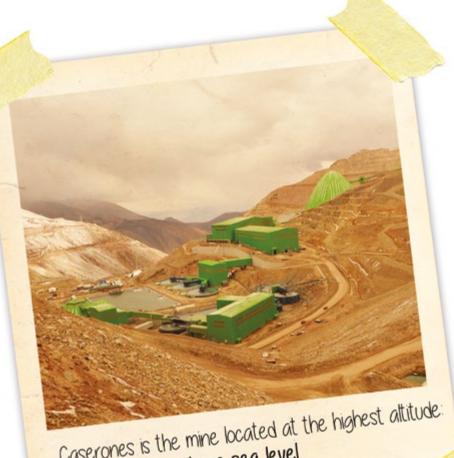




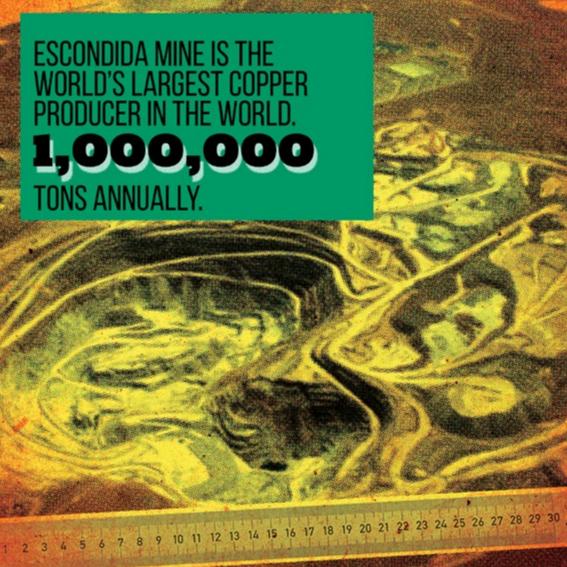


IS THE LARGEST OPEN PIT MINE IN THE WORLD.





Caserones is the mine located at the highest altitude: 4,600 meters above sea level



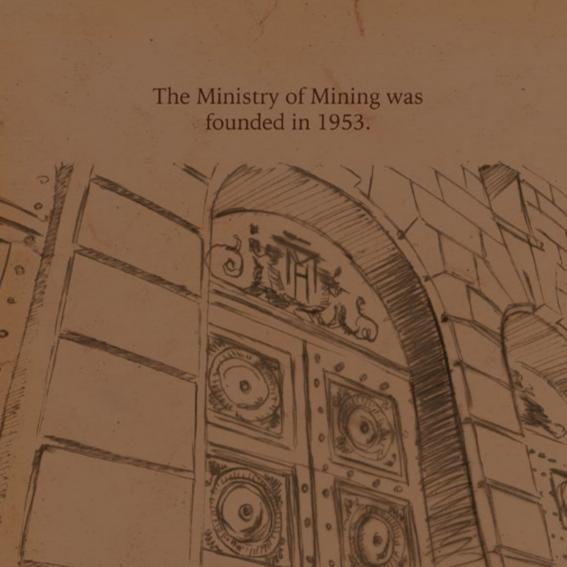


of the copper in the world has already been processed.



Copper pipes in buildings can last





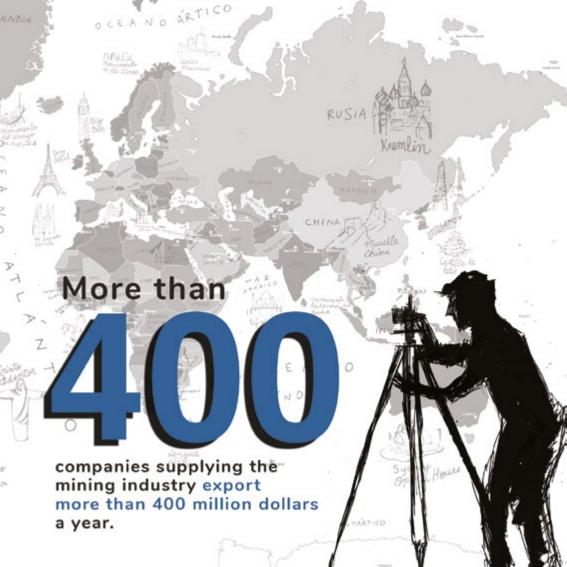


UNION WORKERS: OVER 70



San Lorenzo, patron saint of mining, is celebrated on August 10th.





25% of Supplier Companies have their headquarters in mining regions.



COPPER 15 A 1000 RECYCLABLE MINERAL 23.

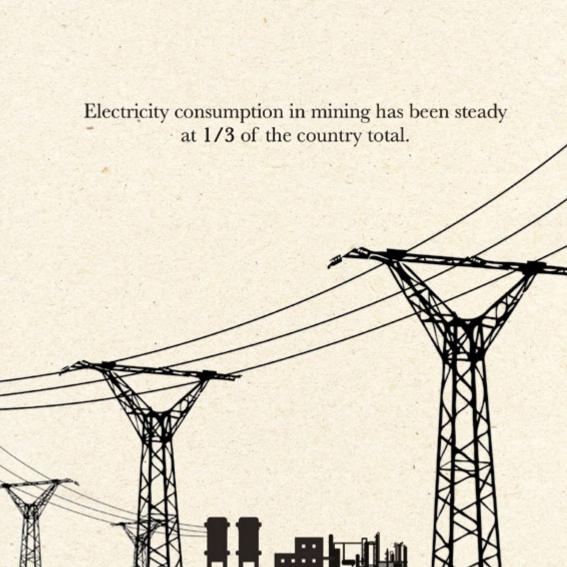


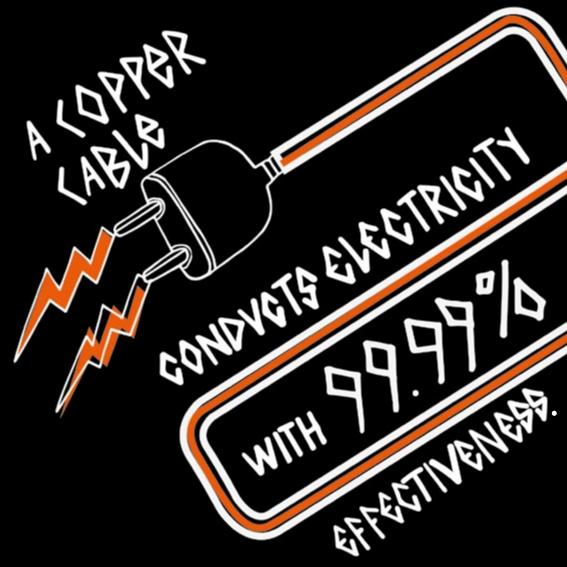
million
TONS OF
copyley
are recycled
per year.

(35% of the global demand for copper is from recycled material).



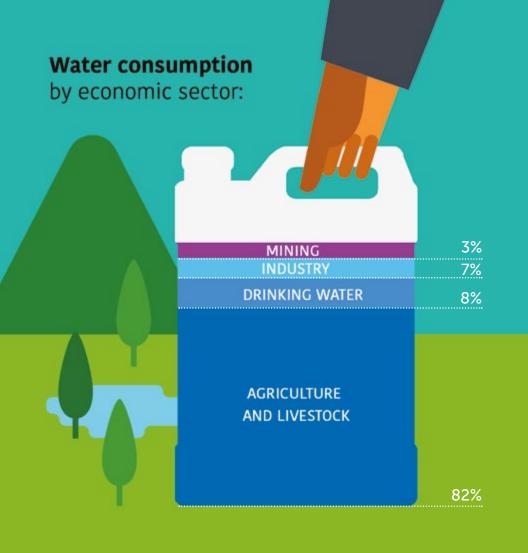
Electrical energy costs for mining.





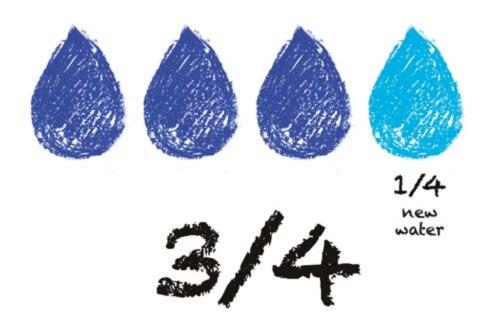


Copper carries up to 8 times more heat than other materials.



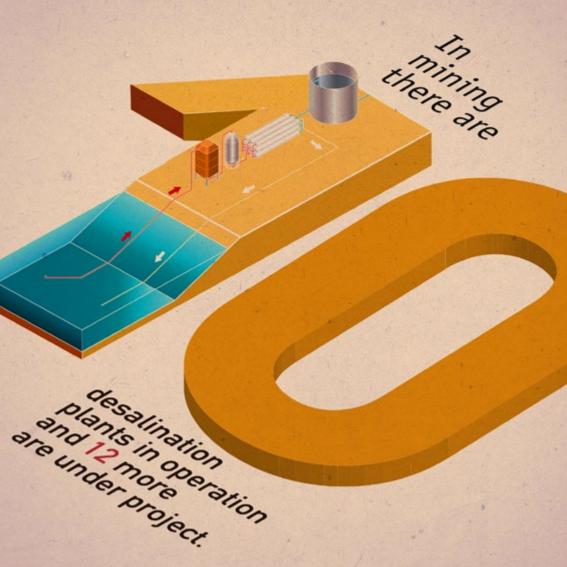
The water supply of mining comes from:

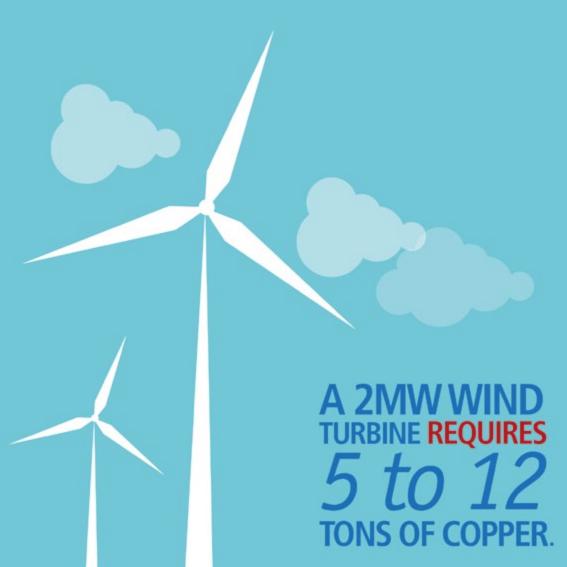


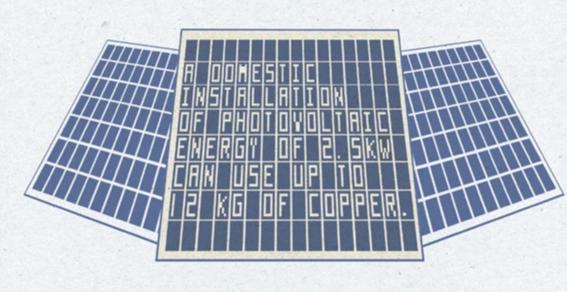


OF THE WATER USED IN MINING PROCESSES IS RECIRCULATED WATER.

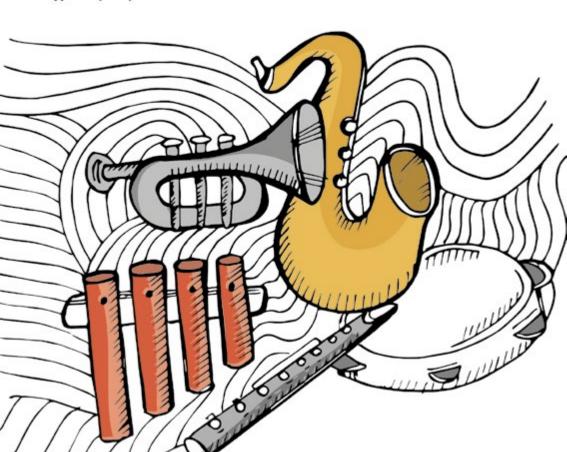




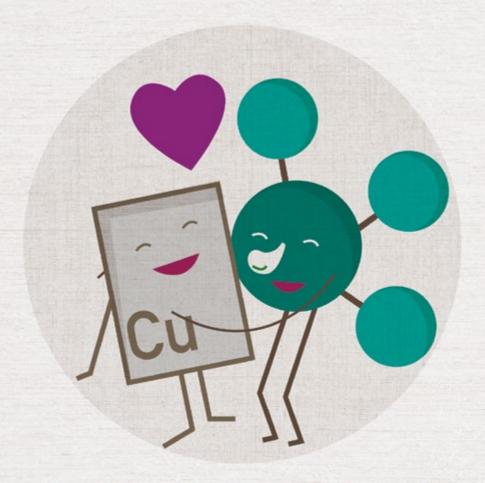




Most of the 80 instruments that make up a symphony orchestra use copper, brass and bronze as raw material to be elaborated, offering a great musical resonance.







There are at least 12 enzymes that need copper to perform their functions in the human body.



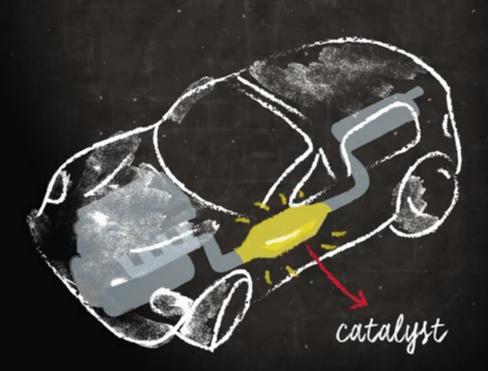
Antimicrobial copper reduces hospital infections by up to **58%**.



In Chile there are 3 hospitals that have incorporated antimicrobial copper to reduce infections.



The use of gold in catalytic converters helps reduce polluting emissions by 30%.

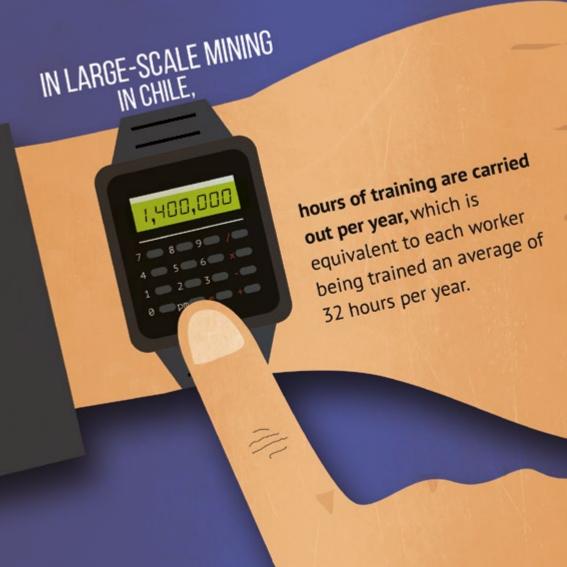


How much copper do we find in: of the total of a Boeing tons

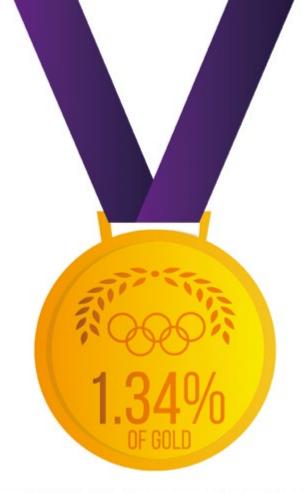
CONVENTIONAL & 23 AUTOMOBILE KILOS OF COPPER

HYBRID & 40 COPPER C H I L E

ELECTRIC 883
AUTOMOBILE 81LOS OF COPPER







IS CONTAINED IN AN OLYMPIC MEDAL.



The figures in this book were obtained from the most recent information available at the time of its edition (December 2018). In cases where we considered that the most recent figure was not representative of the reality of the industry, the average of the last five available periods was used.































MAP OF LARGE-SCALE MINING IN CHILE



Information to December 2018 Source: Consejo Minero.

Location of copper and gold mining operations:



Information updated to December 2018 Source: Consejo Minero.

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