MINING NUMBERS

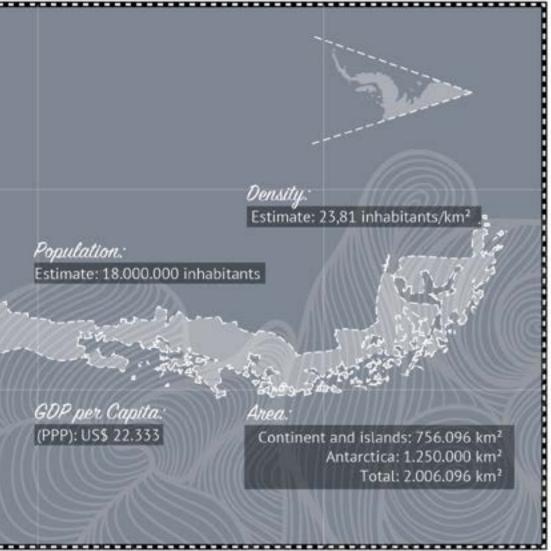


The figures in this book were obtained from the most recent information available at the time of its edition (June 2017). In cases where we consider that the most recent figure was not representative of the reality of the industry, we used the average of the last 5 periods.



The Consejo Minero (Mining Council) presents Mining in Numbers, a book that provides the key figures of the mining industry in Chile in a different, simple and enjoyable way.



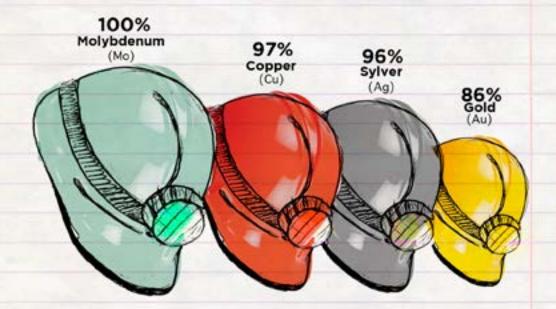


TARAPACÁ ANTOFAGASTA ATACAMA COQUIMBO VALPARAISO METROPOLITANA O'HIGGINS

Large-scale mining is located in 7 regions



Share of large-scale companies in mining production in Chile



CHILE IS LEADER





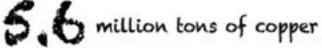
COPPER PRODUCTION IN CHILE



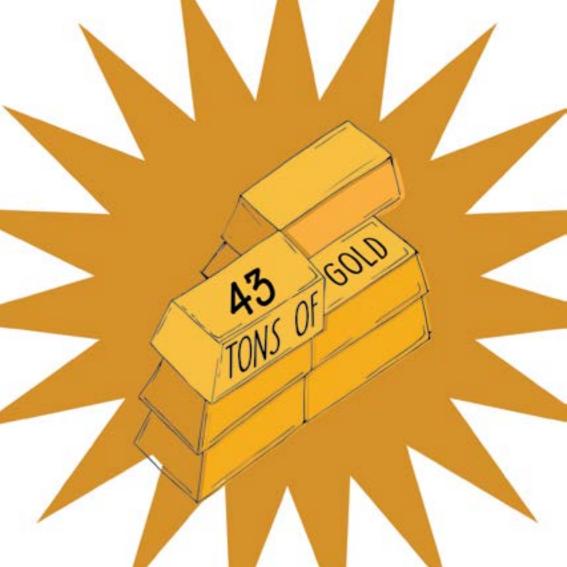
Out of each ton of processed rock we extracted:

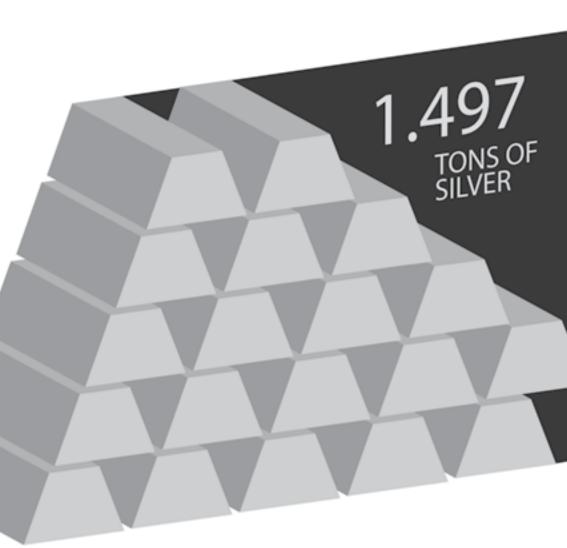














Mining represents the



Contributes

48%

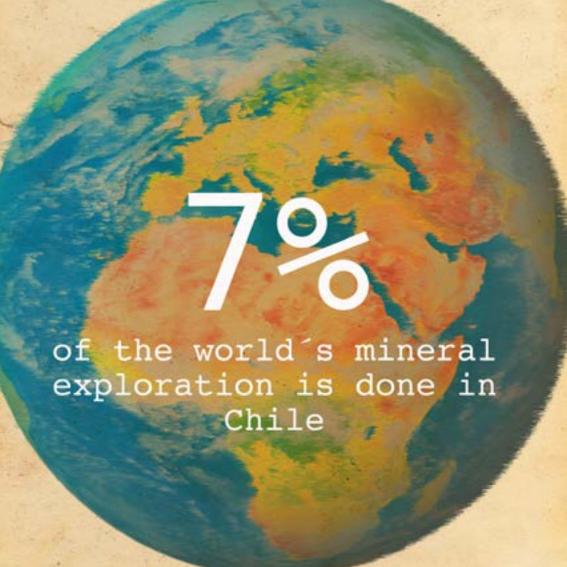
of the GDP in the Antofagasta Region

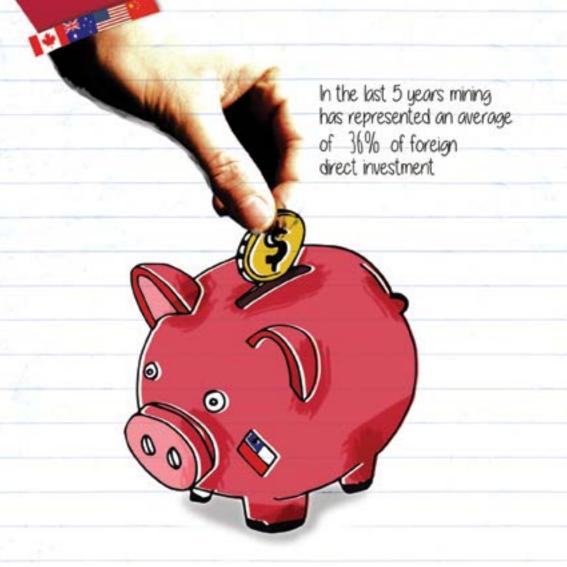


COLLECTED BY THE STATE

95% OF MINING COMPANIES REVENUES ARE DISTRIBUTED AMONG:







Chiral is the largest consumer of

50%



Copper

31%

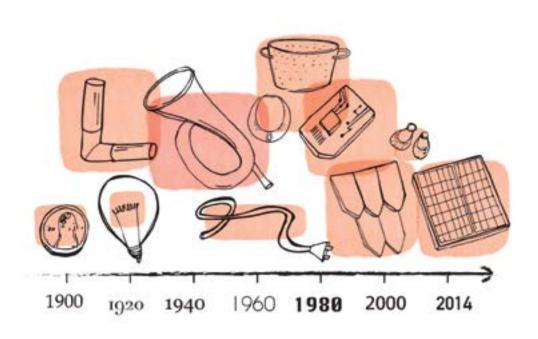


Mining represents
95%
of exports

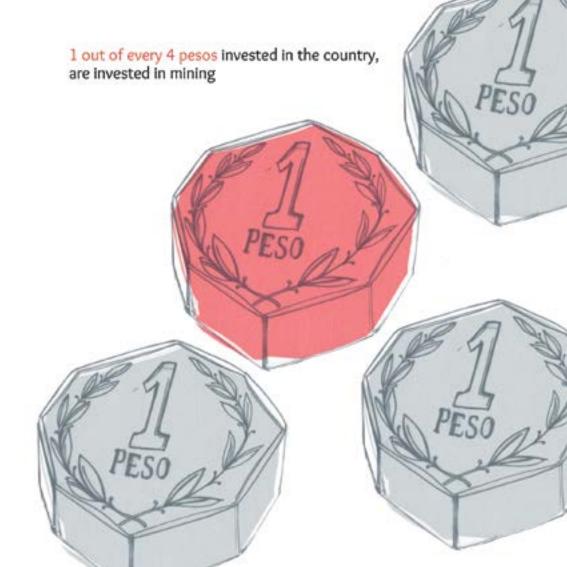
Aquique

Tarapacá Region

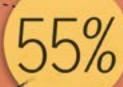


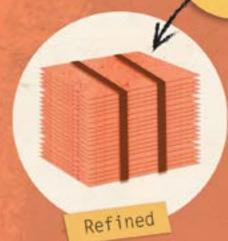


2/3 OF THE 550 MILLION TONS OF COPPER PRODUCED SINCE 1900 ARE STILL IN PRODUCTIVE USE



Chile exports copper in two ways





Mostly cathodes that are 99.99% pure copper



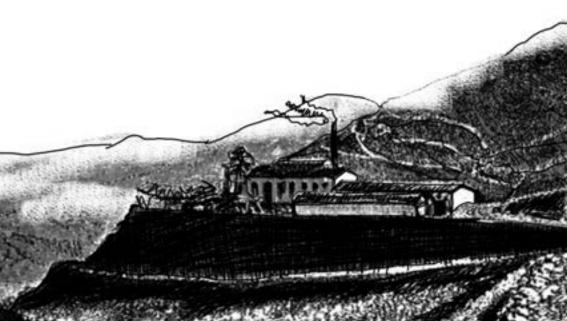
that are 30% pure copper



of exports are mining products



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



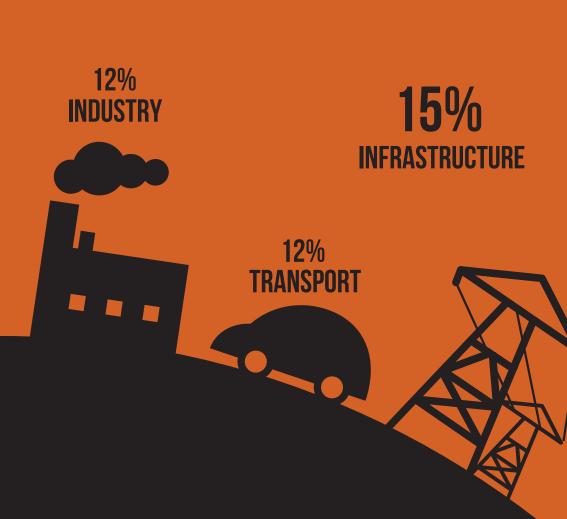
Establishes a specific tax on Tax act. mining activities. To this day it has collected TB\$7.000 million

USE OF COPPER AT THE WORLDWIDE LEVEL

30% CONSTRUCTION

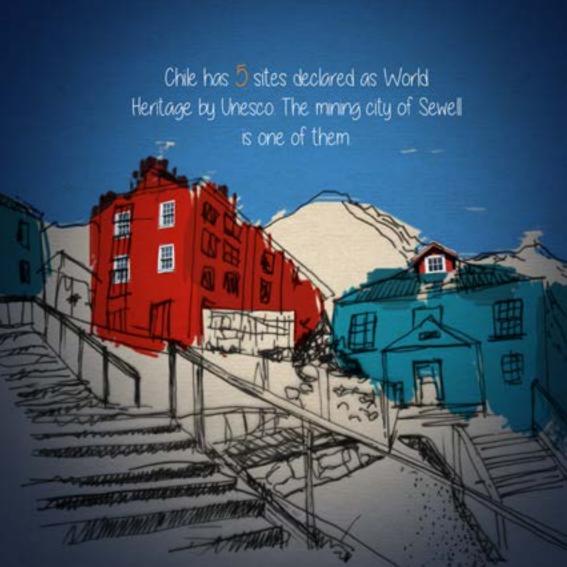
31% ELECTRONICS







of copper is extracted from open pit mines

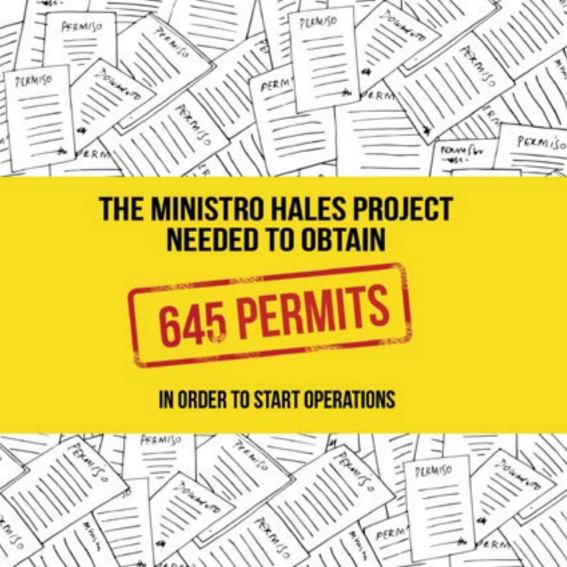


a major challenge.

THE ANNUAL PRODUCTION OF COPPER IN CHILE COULD GO FROM 5.6 MILLION TONS IN 2016 TO 7.2 MILLION TONS IN 2024 IF ALL THE MINING PROJECTS IN THE PIPELINE ARE EXECUTED

The development of a new mining project can easily take





LARGE - SCALE MINING



HAVE AN OVERAGE LIFETIME OF 20 YEARS AND A PRODUCTION OF



TONS OF COOPER PER YEAR



THERE ARE 3 COPPER REFINERIES



Mining <u>salaries</u> are <u>double</u> the average of the country





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



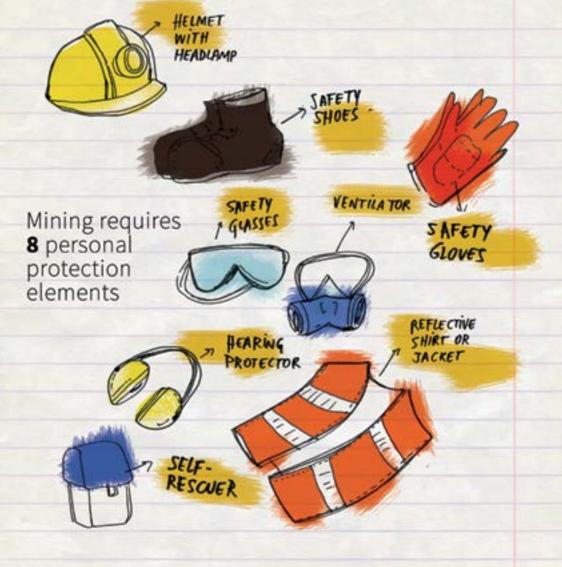
MINING DIRECTLY CONTRIBUTES

3% OF THE COUNTRY'S EMPLOYMENT.

BUT IT IS ESTIMATED THAT FOR EACH DIRECT EMPLOYEE,

2.55 INDIRECT EMPLOYEES ARE GENERATED. MINING

REPRESENTS 9% OF TOTAL EMPLOYMENT





If has the lowest accident rate per economic activity 1,5% v/s 4,7% (the national average).



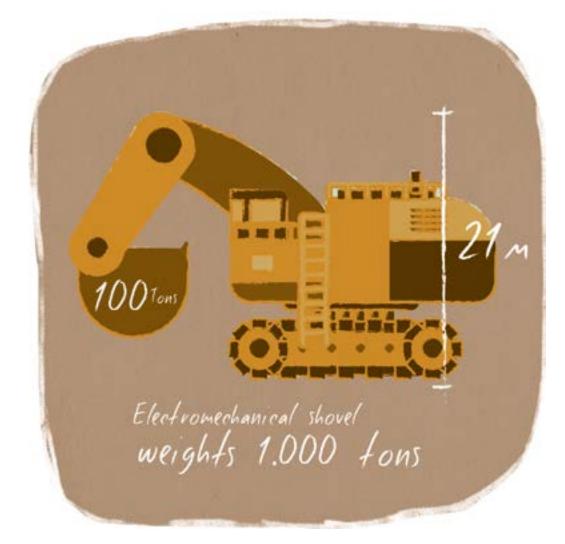
The mining industry has seen an increase in production costs by 120% in the last 10 years.

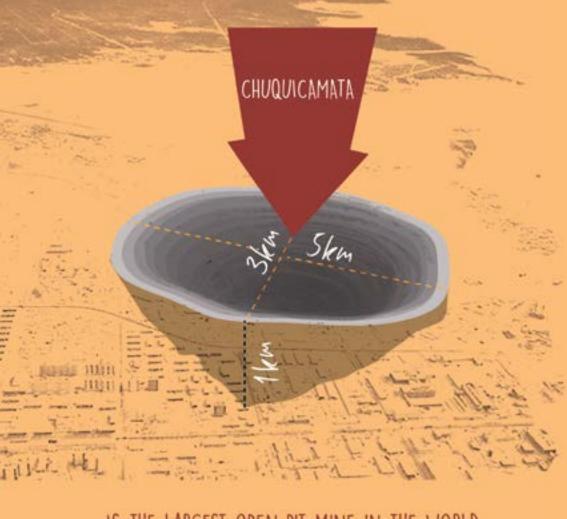


PER POUND OF COPPER



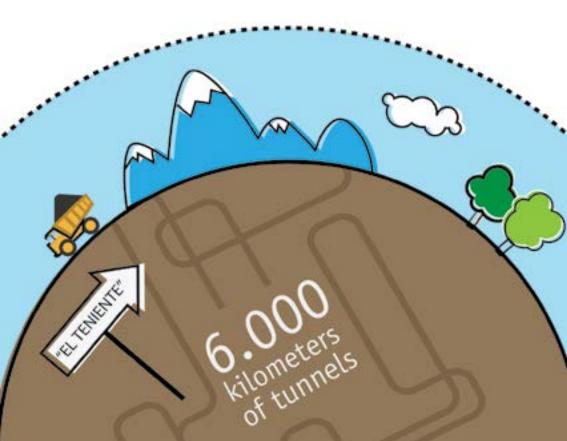






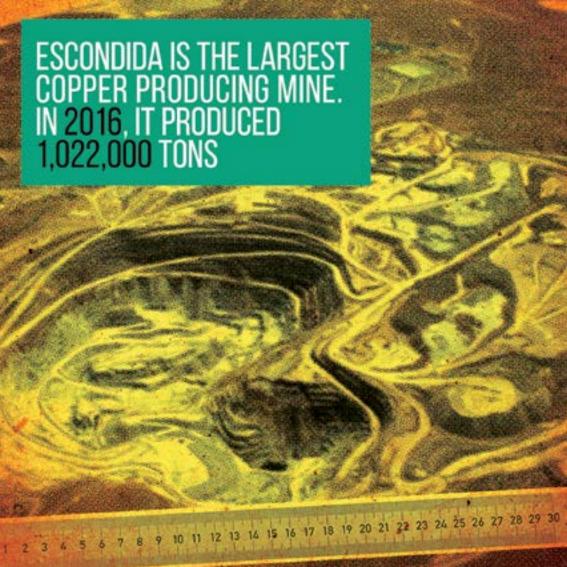
IS THE LARGEST OPEN PIT MINE IN THE WORLD

El Teniente is the largest underground mine in the world. In a straight line its tunnels are equivalent to the distance between Santiago and Lima





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





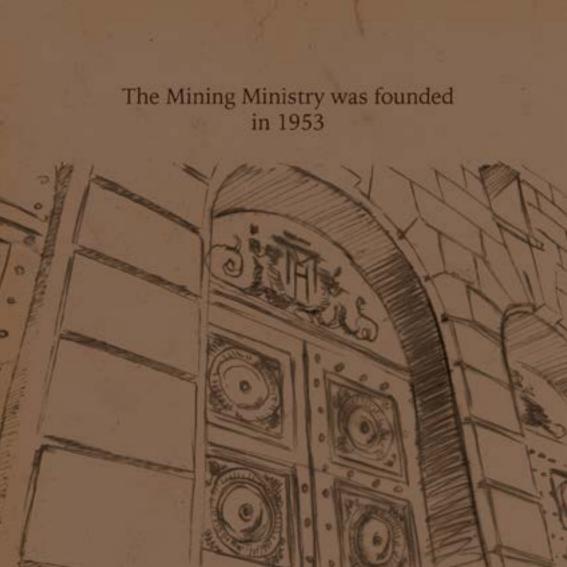
of the copper present in the world has already been processed



In 25 years we will have to produce the same as in the last 100 years due to increasing consumption

Copper pipes in buildings can last











The 10th of August celebrates San Lorenzo, patron saint of mining



RUSIA INDICO of national supplier companies export services and products abroad

23%

of supplier

COMPANIES

have their headquarters in mining regions



copper 15 100% RECYCLABLE



Approximately

million

TONS OF

copyred

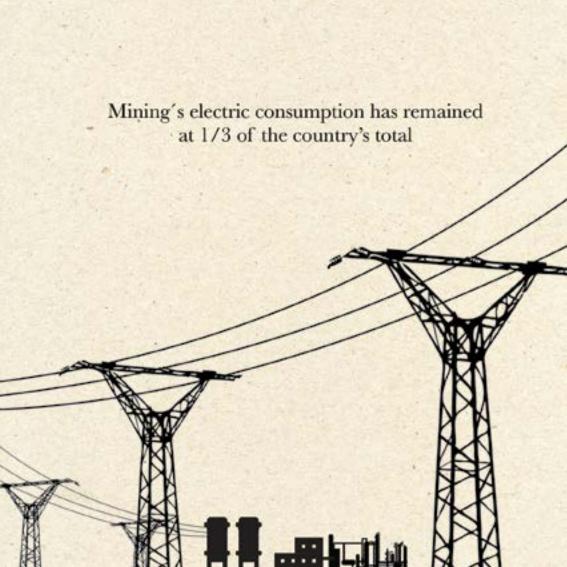
are recycled

each year

35% of the world copper demand is covered by recyclable material



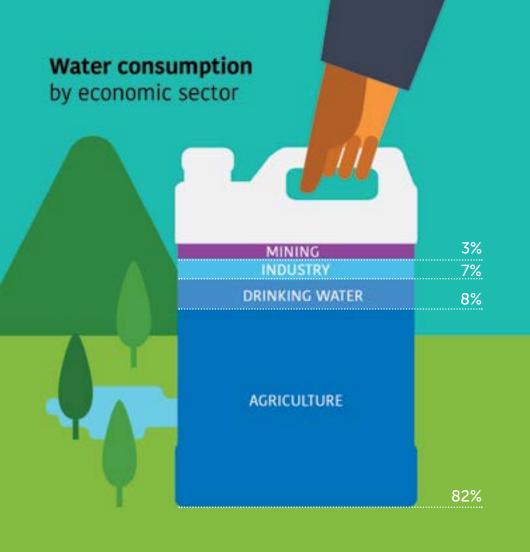
Costs of electric energy for mining



AVIRE CONDYCTS ELECTRICITY EFF PORTE

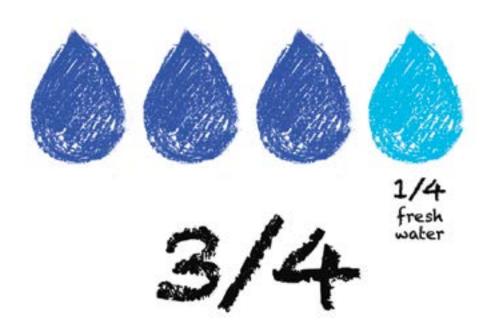


Copper conducts up to 8 times more heat than other materials

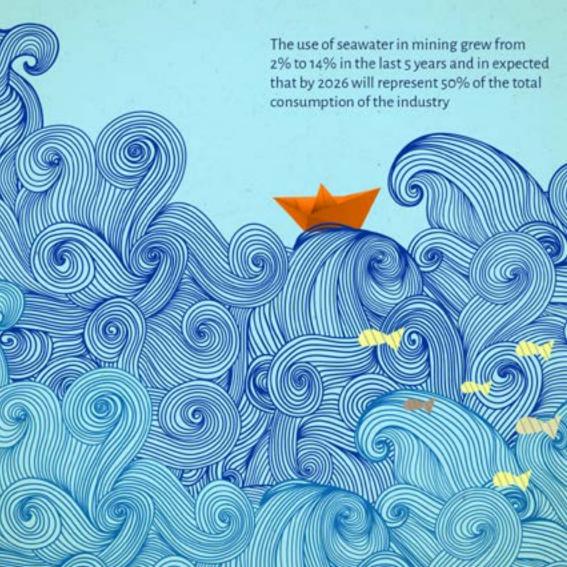


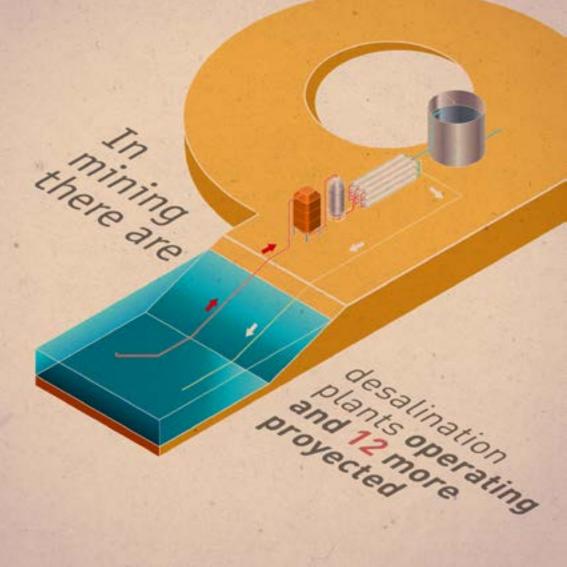
The mining water supply comes from:

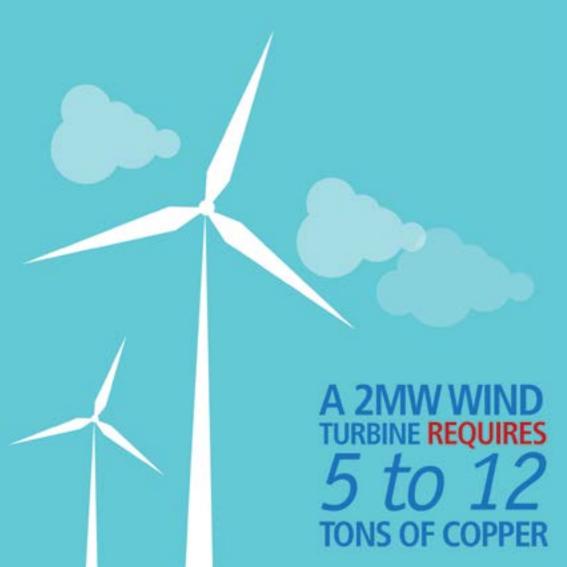




OF WATER USED IN MINING PROCESSES IS RECIRCULATED WATER

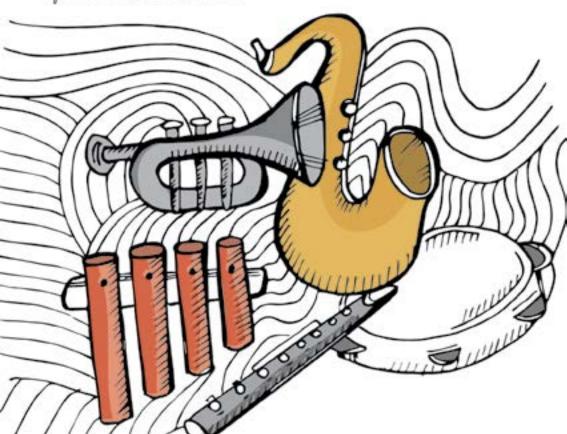


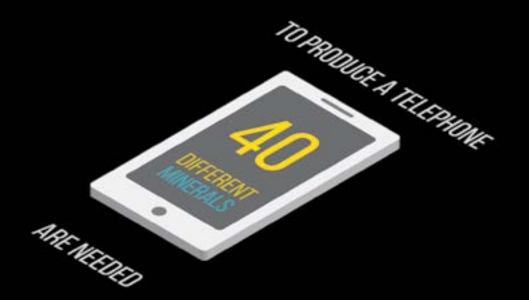


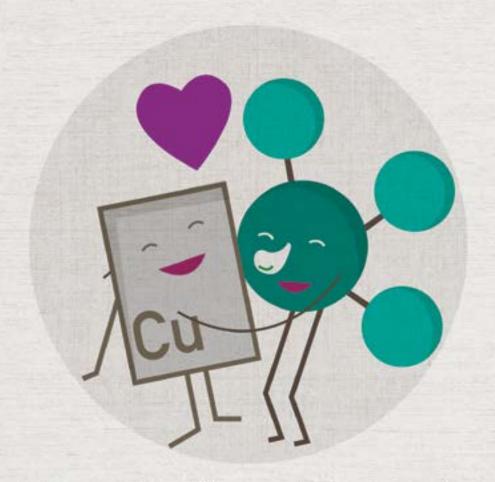




Most of the 80 instruments that form a symphony use copper, brass and bronze as raw material for production, providing great musical resonance.







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



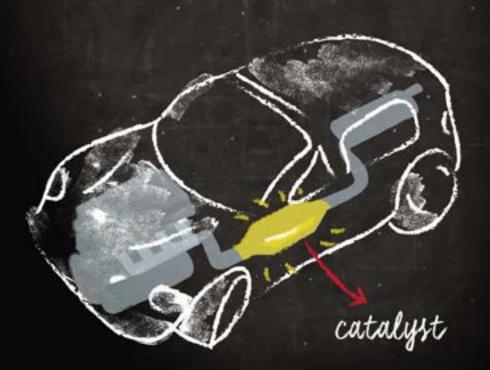
Antimicrobial copper reduces up to 58% of hospital infections

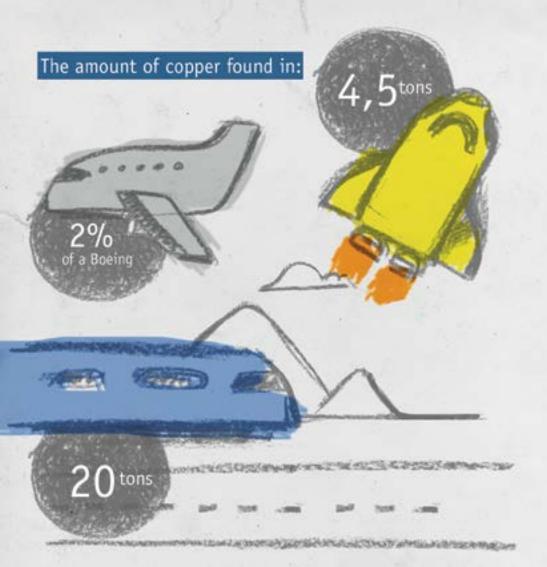


On Chile there are 4 hospitals that have incorporated antimicrobial copper to reduce infections



The use of gold in catalytic converters helps to reduce pollutant emissions by 30%





CAR CAR

KILOS OF COPPER

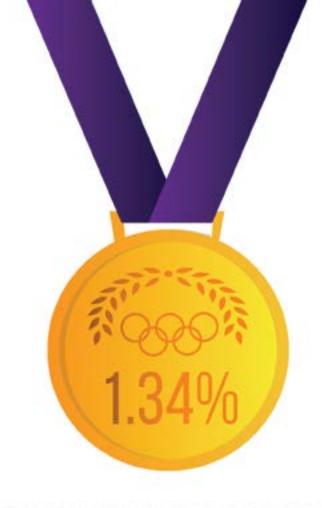
HYBRID.3 KILOS OF COPPER

ELECTRIC CAR









OF GOLD IS FOUND IN AN OLYMPIC MEDAL



























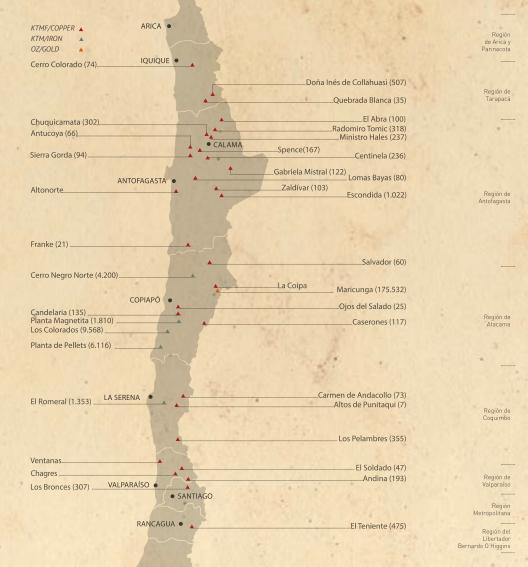




PRODUCTION



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© Consejo Minero Edition: Cecilia Valdés Illustration and design: Cotee Santibáñez coteesantibanez@gmail.com

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The Consejo Minero (Mining Council) is the association of the largest copper, gold, silver and molybdenum producing companies operating in Chile. They include national and foreign companies, both private and state owned.

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