

# Developing mining for a better future

2022 Full Year Results

21 February 2023





# **Cautionary statement**

This presentation has been prepared by Antofagasta plc. By reviewing and/or attending this presentation you agree to the following conditions:

This presentation contains forward-looking statements. All statements other than historical facts are forward-looking statements. Examples of forward-looking statements include those regarding the Group's strategy, plans, objectives or future operating or financial performance; reserve and resource estimates; commodity demand and trends in commodity prices; growth opportunities; and any assumptions underlying or relating to any of the foregoing. Words such as "intend", "aim", "project", "anticipate", "estimate", "plan", "believe", "expect", "may", "should", "will", "continue" and similar expressions identify forward-looking statements. Forward-looking statements involve known and unknown risks, uncertainties, assumptions and other factors that are beyond the Group's control. Given these risks, uncertainties and assumptions, actual results could differ materially from any future results expressed or implied by these forward-looking statements, which apply only as of the date of this presentation. Important factors that could cause actual results to differ from those in the forward-looking statements include: global economic conditions; demand, supply and prices for copper; long-term commodity price assumptions, as they materially affect the timing and feasibility of future projects and developments; trends in the copper mining industry and conditions of the international copper markets; the effect of currency exchange rates on commodity prices and operating costs; the availability and costs associated with mining inputs and labour; operating or technical difficulties in connection with mining or development activities; employee relations; litigation; and actions and activities of governmental authorities, including changes in laws, regulations or taxation. Except as required by applicable law, rule or regulation, the Group does not undertake any obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

Certain statistical and other information about Antofagasta plc included in this presentation is sourced from publicly available third party sources. Such information presents the views of those third parties and may not necessarily correspond to the views held by Antofagasta plc.

This presentation is for information purposes only and does not constitute an offer to sell or the solicitation of an offer to buy shares in Antofagasta plc or any other securities in any jurisdiction. Further it does not constitute a recommendation by Antofagasta plc or any other person to buy or sell shares in Antofagasta plc or any other securities.

Past performance cannot be relied on as a guide to future performance.





# Our purpose



# Developing mining for a better future

### Our vision of a **better future** is for the benefit of:



#### **Planet**

Ensuring mining's critical role in the energy transition, economic progress and improved livelihoods is sustainable and responsible



### People

Developing our people to grow personally and professionally, and who are proud of their achievements and working with us



### Organisation

Fostering a culture that is inclusive, collaborative and agile based on strong ethics and trust that embraces change and learning



#### Society

Working together with local communities to create economic and social value from mining

### We will achieve this through our five **strategic pillars**



#### Safety and sustainability

to enhance our current operations, while keeping an eye on the future



### People and culture

to cultivate the talent necessary for a better future



#### Competitiveness

is key to us achieving excellence and creating long-term value



#### **Innovation**

to constantly push back boundaries and explore new ways of moving forwards



#### Growth

to keep contributing to the development of a better future

# ... to deliver value for all our stakeholders



# **2022** Highlights



**100%** renewable energy

Dividends
59.7cps



50% EBITDA margin

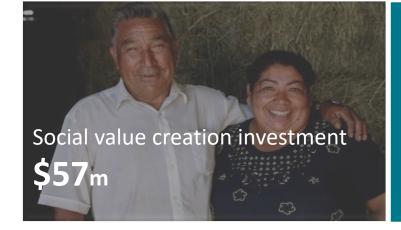
Net increase in mineral resources

\$2.9bn EBITDA

Net increase in mineral resources **920**Mt

Los Pelambres Expansion project

93% complete



Copper production **646.2**kt

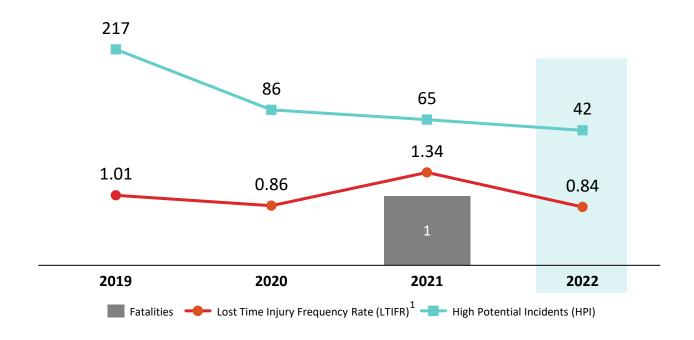
Record tonnage transported

7.1
Mt



# **Safety and health**

# Record year for safety



- Mining division LTIFR<sup>1</sup> improved 32% to 0.76
- Our job safety analysis and critical control management are integrated into our operational model



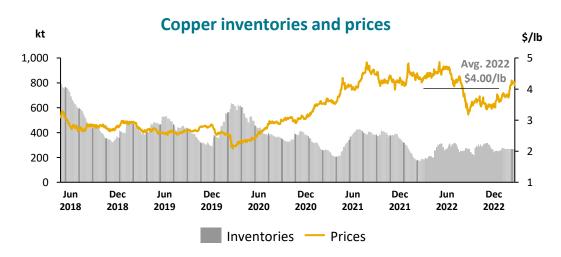
# **Copper market**



# Carbon neutral world requires more metals

### **Short term outlook**

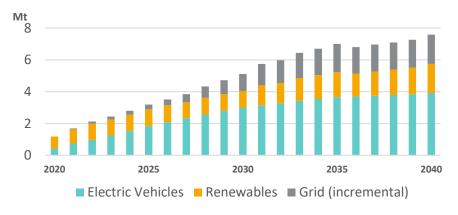
- Global economic and geopolitical uncertainty
- China reopening
- Low copper inventories
- Inflationary pressures



### Longer term outlook

- Decarbonisation and clean energy targets are supportive for copper demand increases
- Urbanisation and electrification trends continue
- Supply challenge continued falling grades and increasing ore hardness
- Few new projects or major discoveries

### Electric vehicles and renewables Cu demand <sup>1</sup>





# **Current political and fiscal situation in Chile**



### **Proposed new mining royalty**

- Includes ad valorum and increased operating profit royalties
- In January 2023 Bill approved by the Senate Mining and Energy Committee and passed to the Senate Treasury Committee for discussion
- Will then be debated in the Senate before being passed to the lower house for its consideration

#### **New Constitution**

- Proposed new Constitution rejected in a national referendum in September 2022
- Congress adopted a new plan for drafting the Constitution with a new elected Council and Committee of Experts
- New Constitution will be put to a national referendum in December
   2023





# **2022** financial highlights



# Robust results in a complex environment

Underlying earnings	Balance sheet	ROCE	Dividends per share
59.7 c/share <sup>1</sup> √ 58%	Net debt/EBITDA <sup>2</sup> 0.3x	<b>14.1%</b>	59.7cps ↓ 58% 100% pay-out ratio <sup>3</sup>
Revenue	Net cash costs	EBITDA	EBITDA margin <sup>4</sup>
\$5.9bn	\$1.61/lb ^ 34%	\$2.9bn ↓ 39%	<b>50%</b> <b>↓</b> 15 ppt

<sup>1</sup> EPS including exceptional items is 155.5 c/share, a 19% increase on 2022

Moved from net cash of \$541 million in December 2021 to net debt of \$886 million in December 2022

<sup>3</sup> On underlying net earnings

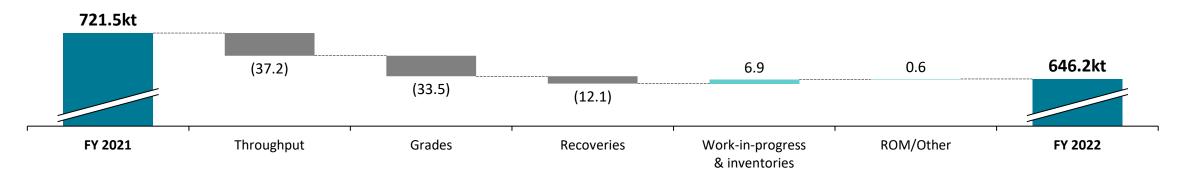
<sup>4</sup> Calculated as EBITDA/Revenue. If Associates and JVs revenue is included the EBITDA margin was 46.7% in 2022 and 61.1% in 2021

### **Production and cash costs**

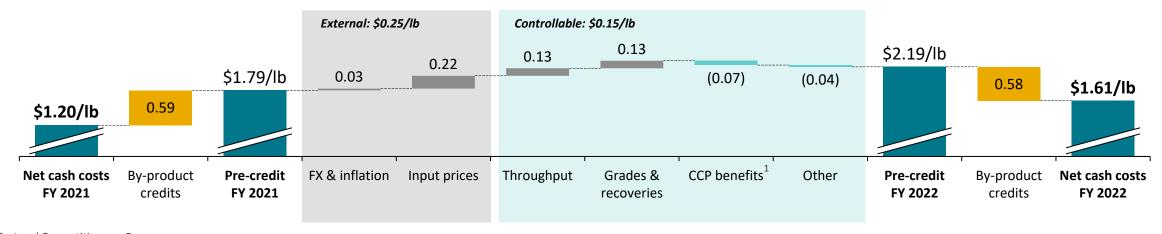


# Impacted by drought and grades

### **Copper production**



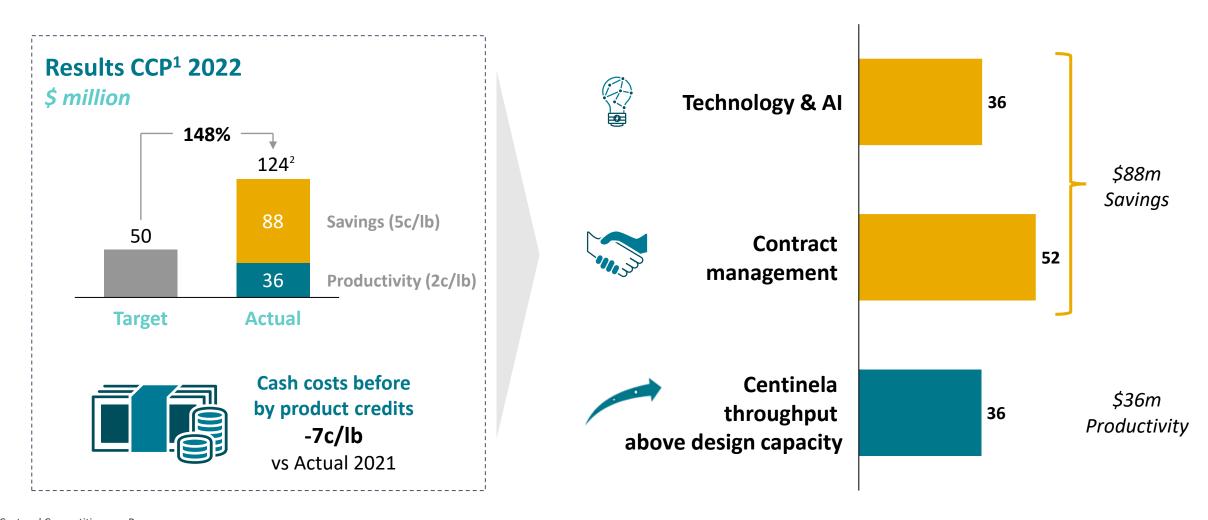
### Cash costs



# **Cost and Competitiveness Programme**



# Technology and cost discipline



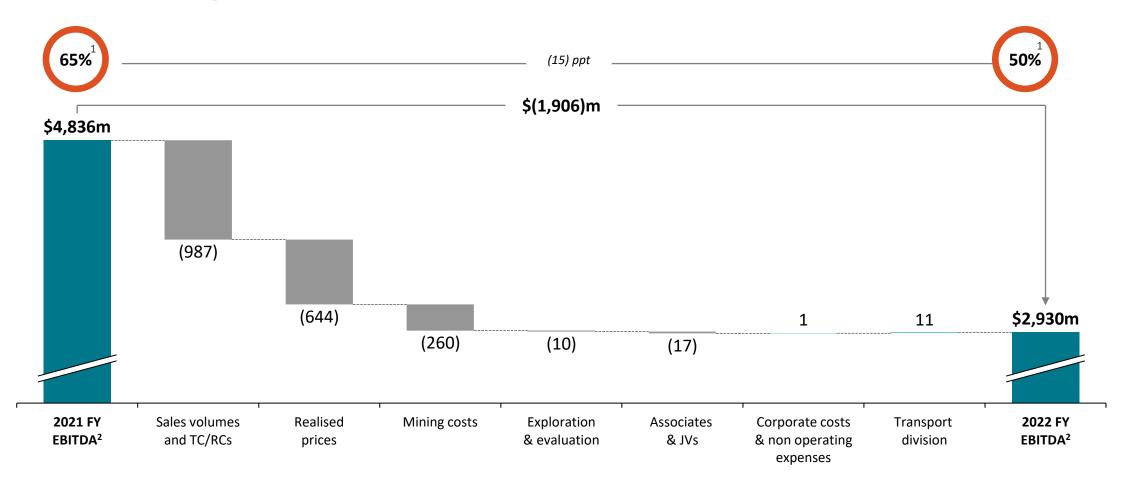
<sup>1</sup> Cost and Competitiveness Programme

<sup>2</sup> Includes 100% of Zaldívar

# **EBITDA** and margin



# Resilient margins



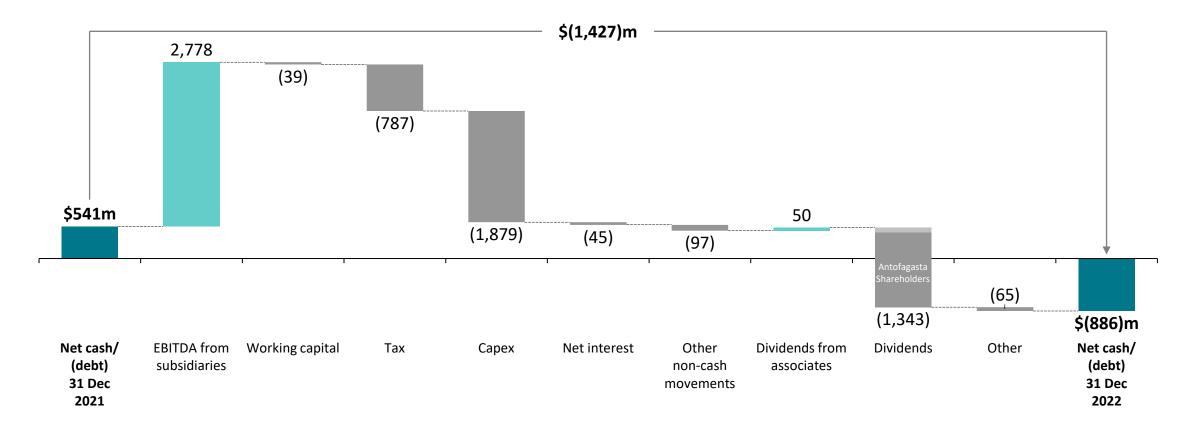
Calculated as EBITDA/Revenue. If Associates and JVs revenue is included the EBITDA margin was 46.7% in 2022 and 61.1% in 2021

<sup>2</sup> Results of continuing operations only. Includes EBITDA from Associates and JVs

# **Strong balance sheet**



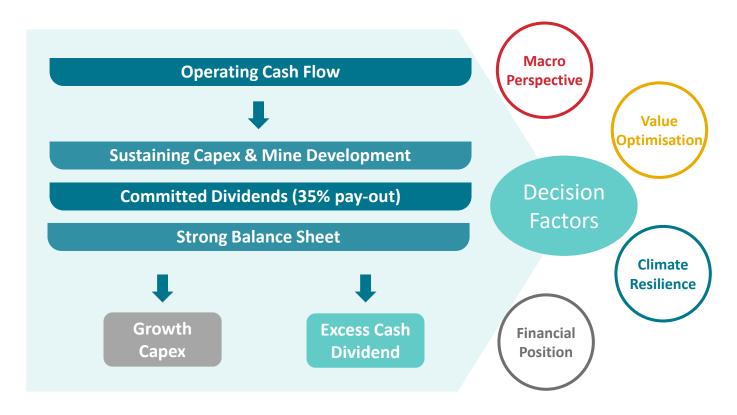
# Net debt/EBITDA 0.3x



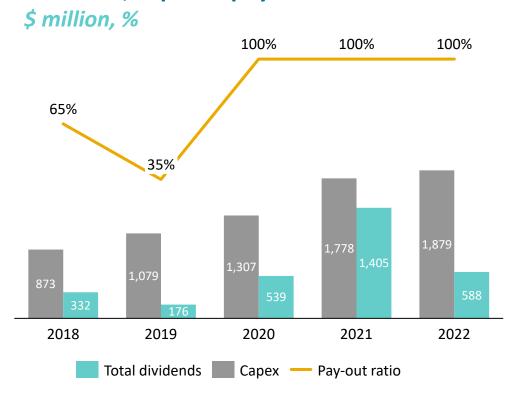
# **Capital allocation framework**



# Creating sustainable value & shareholder returns over the long term



### Dividend, capex & pay-out ratio



80% average pay-out ratio

Last 5 years

### \$588 million dividends

100% of underlying net earnings



# Sustainability

# Setting ourselves high standards









### **Safety and Health**

- Zero fatal accidents since July 2021
- 35% reduction
   High Potential Incidents

#### **Communities**

- Measuring the impact of our investments on our communities
- \$57m social value creation investment
  - Mining division

Mining division, since April 2022

#### People

- Wellbeing Strategy rolled out
- 20.6% of our employees are women<sup>1</sup>

### **Climate Change**

- Scope 2
   100% renewable energy<sup>2</sup>
- Scope 1
   Decarbonising operations
- Scope 3
  Assessing our position and working with our suppliers

### **Suppliers**

- Suppliers for a Better Future programme launched
- Set targets for suppliers' ESG performance

### **Environment**

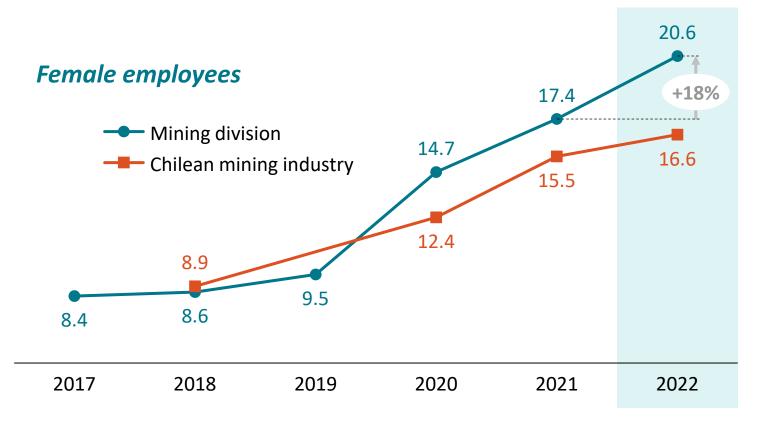
- Biodiversity Standard updated
- Decreasing continental water consumption

Copper Mark and ICMM performance expectations - external independent certification

**Enhancing transparency - ESG Databook available on website** 

# **Diversity and Inclusion Strategy**

Promoting inclusive workspaces



- Increased female participation by 18% in 2022
- Set aspirational goal of 30% by 2025
- Increased percentage of employees with disabilities



# **Environment and climate change**



## Committed to emissions reduction and efficient water use



100% renewable energy since April 2022<sup>1</sup>

Nearly 1 million tCO<sub>2</sub>e reduction<sup>2</sup> in Scope 2 emissions

84% of water used is recirculated<sup>3</sup>

45% of water used is from the sea<sup>3</sup>

**GHG** emission targets

30% Reduction by 2025 Carbon neutral by 2050

Sea and recirculated water

More than 90% of total operational use by 2025

### **Communities**



# Creating social and economic value for all

Improved access to drinking water for human consumption and irrigation

Expanded our EnRed infrastructure and digital skills programme and implemented a digital literacy for local suppliers, entrepreneurs and schools

Our scholarship programme supported 951 students in secondary and tertiary education, double 2021

\$57m

Social value creation investment

15

of our social programmes impact assessed









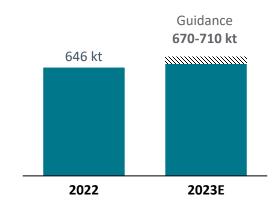


### 2023 Guidance

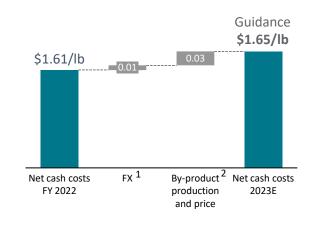


# Responsible and reliable copper producer

### **Group production**



### **Net cash costs**



### Capital expenditure<sup>3</sup>



### **Production Growth**

Increasing quarter by quarter. First production from Los Pelambres
Expansion in Q2 2023

### **Cost Control**

Higher production, CCP <sup>4</sup> savings and decreased input costs, offset by inflation

### **Capital Allocation**

Includes major infrequent sustaining projects (desalination expansion, concentrate pipeline and TSF <sup>5</sup> expansion), increased mine development and inflation

<sup>1</sup> Assumed CLP/USD exchange rate of 850

Includes by-product credits at a gold price of \$1,750/oz and a molybdenum price of \$18.0/lb

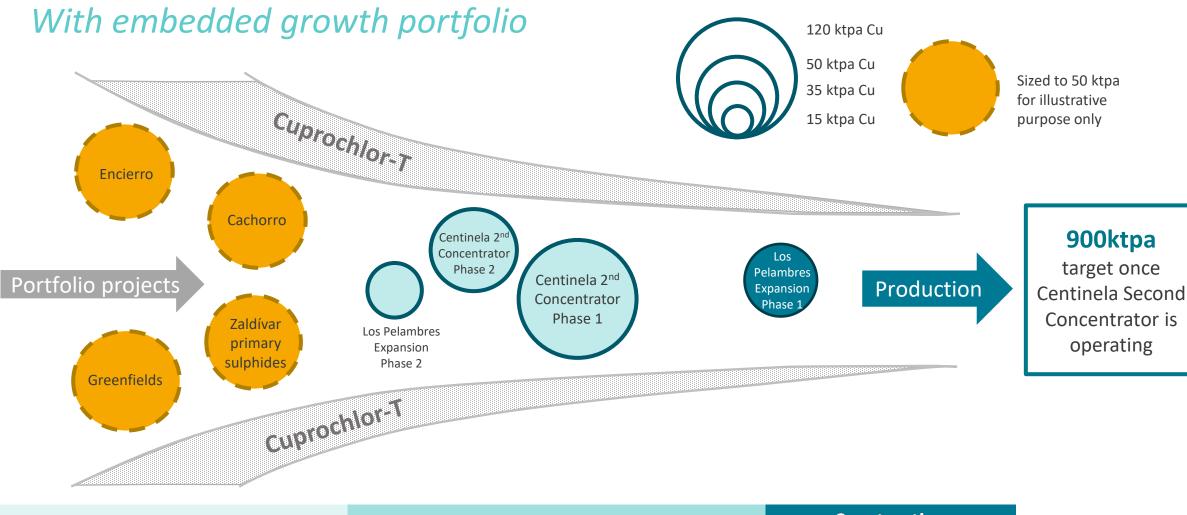
<sup>3</sup> Cash flow. Excludes Zaldívar. Attributable Zaldívar capital expenditure was \$55m in 2022

Cost and Competitiveness Programme

<sup>5</sup> Tailings Storage Facility

# Reliable and responsible copper producer





Exploration	Development	Construction
2030+	2025+	2023

# **Growth portfolio update**

# ANTOFAGASTA PLC

# Developing our project





- 93.4% complete <sup>1</sup>
- 400 l/s desalination plant and concentrator expansion to 190,000 tpd
- In production Q2 2023



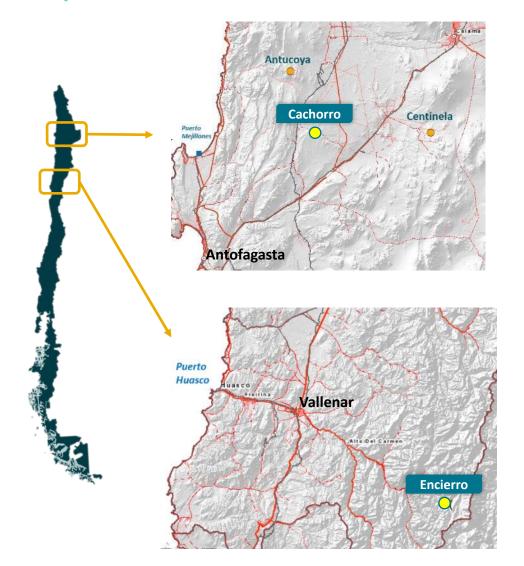
#### **Centinela Second Concentrator**

- Board decision expected during 2023
- Estimated capital cost \$3.7 billion
- 95,000 tpd throughput 170,000tpa CuEq<sup>2</sup>
- Moves Centinela to 1st quartile of net cash costs

# **Recent exploration success**



# Group mineral resources increased by 920Mt



### **Cachorro**

- Inferred resources 242Mt @1.21% Cu. 70% increase since 2021
- Important manto-type deposit in the coastal metallogenic belt of northern Chile
- Drilling continues in 2023
- Located between Antucoya and Centinela

### **Encierro**

- Inaugural inferred resource 522Mt @0.65% CuEq
- Only 15% of the property has been drilled
- Jointly held with Barrick Gold. Antofagasta the majority shareholder and operator

# Innovation and technology update

# Improves operations' costs and productivity





### **Autonomous trucks**

- Operating at Esperanza Sur pit
- Reduces operator risk
- Increases efficiency

### Integrated operations centre

- At Los Pelambres and Centinela
- Enabler for the operational continuity of the end-to-end value chain
- Improves performance and reduces variability

### **Autonomous drilling**

- At Los Pelambres and Centinela
- Increased utilisation by 10% compared with conventional system

### **Cuprochlor-T®**

- Recoveries of 70% leaching primary sulphides
- 38,000 tonne industrial-sized heap leach test completed at Centinela
- Pre-feasibility testing at Zaldívar





# At a glance

### Group

- 65% owned by Luksic Group, 35% free float
- Market cap: \$20.8 billion (20 February 2023)
- FTSE 100

### Mining division<sup>1</sup>

- Top 10 copper producer
- High quality assets with significant potential production growth
- Copper production: 646,200 tonnes
- Gold production: 176,800 oz
- Molybdenum production: 9,630 tonnes
- Net cash costs: \$1.61/lb
- All operations in Chile

### Transport division<sup>1</sup>

- Provides rail and road cargo services in Chile's Antofagasta Region
- Total tonnage transported: 7.1 million tonnes

#### **Antucoya**

- 70% owned
- Copper production<sup>1</sup>: 79,200 t
- Remaining mine life<sup>2</sup>: 21 years
- Reserves<sup>3</sup>: 717.6 million t @ 0.31% Cu

#### Centinela

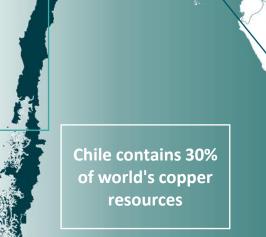
- 70% owned
- Copper production<sup>1</sup>: 247,500 t
- Remaining mine life<sup>2</sup>: 43 years
- Reserves<sup>3</sup>: 2.0 billion t @ 0.40% Cu

#### Zaldívar

- 50% owned, operator
- Copper production<sup>1</sup>: 44,500 t (50%)
- Remaining mine life<sup>2</sup>: 13 years
- Reserves<sup>3</sup>: 413.2 million t @ 0.42% Cu

#### **Los Pelambres**

- 60% owned
- Copper production<sup>1</sup>: 275,000 t
- Remaining mine life<sup>2</sup>: 12 years
- Reserves<sup>3</sup>: 905.5 million t @ 0.59%
   Cu, 0.020% Mo and 0.05g/t Au

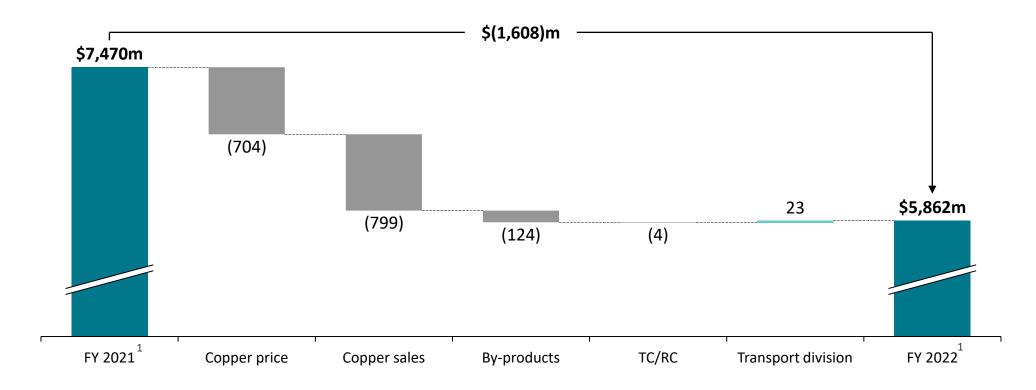


Santiago

- From 31 December 2022
- 3 As of 31 December 2022 on 100% basis

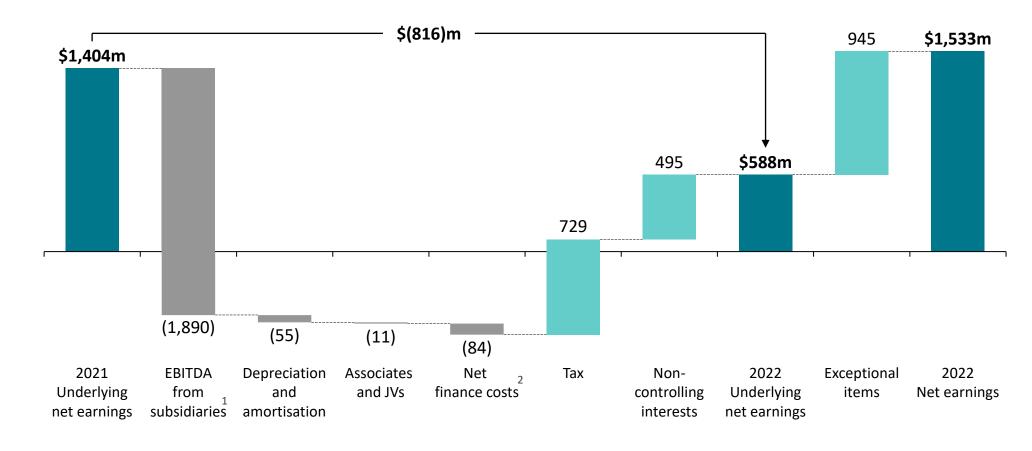


# Revenue





# **Net earnings**

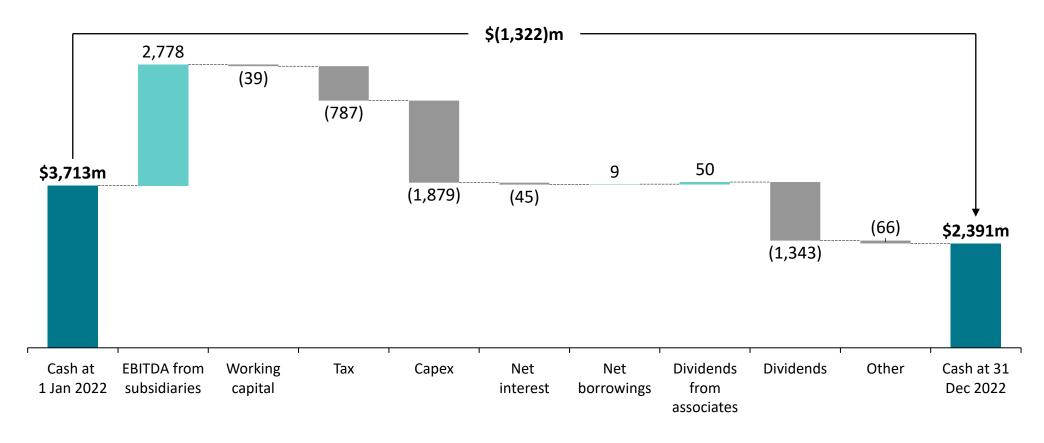


<sup>1</sup> Excludes Associates and JVs' EBITDA

<sup>2</sup> Includes foreign exchange adjustments

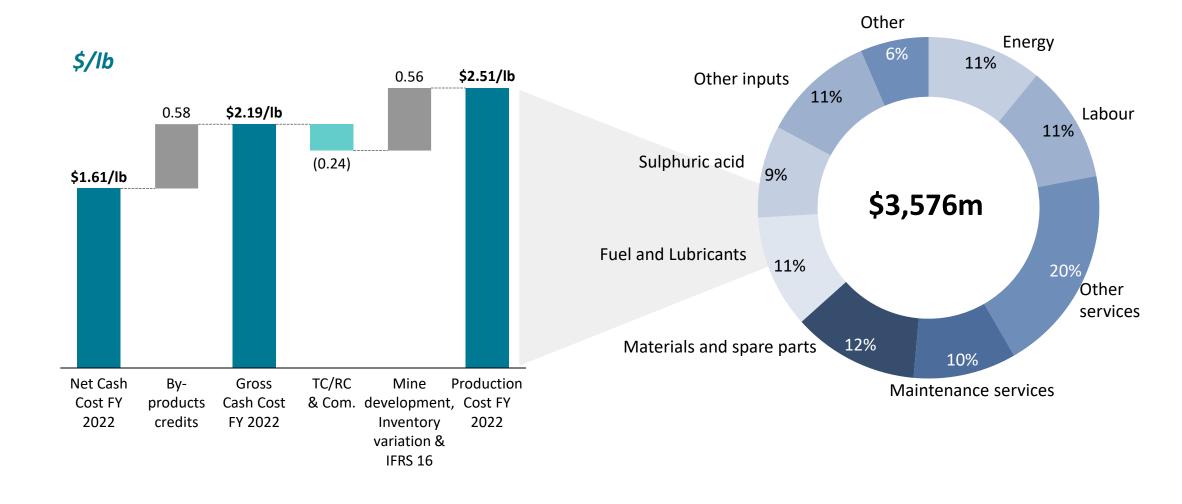


# **Cash flow**





# 2022 production cost breakdown





# **Production and metals prices**

### **Group production**

	2018	2019	2020	2021	2022	2023E <sup>1</sup>
Copper ('000 tonnes)						
Los Pelambres	357.8	363.4	359.6	324.7	275.0	320-335
Centinela Concentrates	155.5	195.5	153.5	185.4	149.3	235-250
Centinela Cathodes	92.5	81.1	93.3	88.8	98.2	255-250
Antucoya	72.2	71.9	79.3	78.6	79.2	70-75
Zaldívar <sup>2</sup>	47.3	58.1	48.2	44.0	44.5	45-50
Group total	725.3	770.0	733.9	721.5	646.2	670-710

	2018	2019	2020	2021	2022	2023E <sup>1</sup>
Gold ('000 ounces)						
Los Pelambres	63.2	59.7	60.3	53.2	43.1	45-55
Centinela	146.9	222.6	143.7	199.0	133.7	175-185
Group total	210.1	282.3	204.1	252.2	176.8	220-240

	2018	2019	2020	2021	2022	2023E <sup>1</sup>
Molybdenum ('000 tonnes)						
Los Pelambres	13.3	11.2	10.9	9.2	7.2	7.5-8.5
Centinela	0.3	0.4	1.7	1.3	2.4	2.5-3.0
Group total	13.6	11.6	12.6	10.5	9.7	10-11.5

### **Metal prices**

	2019	2020	2021	2022
Copper (\$/lb)				
Realised	2.75	2.98	4.37	3.84
LME	2.72	2.80	4.23	3.99

	2019	2020	2021	2022
Gold (\$/oz)				
Realised	1,416	1,797	1,788	1,801
Market	1,393	1,770	1,799	1,800

	2019	2020	2021	2022
Molybdenum (\$/lb)				
Realised	10.8	8.8	17.4	20.8
Market	11.4	8.7	15.9	18.7

Guidance January 2023

<sup>2</sup> Attributable share



# **Unit cash costs**

### Group cash costs (c/lb)

	2019	2019 2021		2023E
Group cash costs	2013	2021	2022	2023L
Los Pelambres	1.40	1.59	1.84	1.85
Centinela	1.83	1.87	2.44	2.55
Antucoya	2.17	2.04	2.50	2.45
Zaldívar	1.75	2.39	2.39	2.70
Cash costs before by-products credits	1.65	1.79	2.19	2.20
By-products credits	(0.43)	(0.59)	(0.58)	(0.55)
Net cash costs	1.22	1.20	1.61	1.65

Net cash costs	0.91	0.89	1.10	1.25
By-products credits	(0.49)	(0.70)	(0.73)	(0.60)
Cash costs before by-products credits	1.40	1.59	1.84	1.85
Los Pelambres cash costs				
	2019	2021	2022	2023E

	2019	2021	2022	2023E
Centinela cash costs				
Cash costs before by-products credits	1.83	1.87	2.44	2.55
By-products credits	(0.57)	(0.73)	(0.69)	(0.85)
Net cash costs	1.26	1.14	1.75	1.70



# Reserves and resources as of 31 December 2022

	Tonnage (millio	ons tonnes)	Coppe	r (%)	Molybder	num (%)	Gold (	g/t)	Attributable (millions t	
	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021
Ore reserves										
Los Pelambres	905.5	956.1	0.59	0.59	0.020	0.020	0.048	0.049	543.3	573.7
Centinela Concentrates (Sulphides)	1,712.8	1,684.3	0.40	0.41	0.012	0.012	0.140	0.140	1,198.9	1,179.0
Centinela Cathodes (Oxides)	274.5	299.3	0.37	0.39					192.1	209.5
Centinela Total	1,987.2	1,983.6	0.40	0.40					1,391.1	1,388.5
Antucoya	717.6	745.5	0.31	0.32					502.3	521.9
Total	3,610.3	3,685.3	0.43	0.43					2,436.7	2,484.1
Group Joint Ventures										
Zaldívar	413.2	450.8	0.42	0.43					206.6	225.4
Total Group Ore Reserves	4,023.5	4,136.2	0.43	0.43					2,643.3	2,709.5
Mineral resources (including ore reserves)										
Los Pelambres	5,955.4	5,957.4	0.50	0.50	0.017	0.017	0.050	0.060	3,573.2	3,574.5
Centinela Concentrates (Sulphides)	4,637.4	4,092.1	0.36	0.38	0.012	0.013	0.120	0.120	3,246.2	2,864.5
Centinela Cathodes (Oxides)	412.7	441.9	0.36	0.37					288.9	309.3
Antucoya	1,114.6	1,191.6	0.30	0.30					780.2	834.1
Polo Sur	1,645.8	1,657.0	0.32	0.33					1,645.8	1,657.0
Penacho Blanco	355.7	340.2	0.37	0.37					181.4	173.5
Mirador	102.1	93.5	0.29	0.30					92.6	86.0
Los Volcanes	1,910.8	1,904.2	0.50	0.50					974.5	971.1
Brujulina	88.0	87.2	0.49	0.49					44.9	44.5
Sierra	52.3	52.0	0.68	0.69					52.3	52.0
Cachorro	242.5	141.6	1.21	1.21					242.5	141.6
Encierro	522.3	-	0.65	-	0.007	-	0.220	-	295.3	-
					Nickel	(%)	Total precion (g/t Au+F			
Twin Metals	2,509.1	2,509.1	0.52	0.52	0.170	0.170	0.470	0.470	2,085.0	2,085.0
Group Joint Ventures										
Zaldívar	1,150.2	1,309.9	0.39	0.38					575.1	654.9
Total Group										
Measured + Indicated	10,815.3	11,038.1	0.45	0.45					7,596.2	7,701.5
Inferred	9,883.4	8,739.7	0.45	0.43					6,481.7	5,746.6
Total Group Mineral Resources (including ore reserves)	20,698.8	19,777.8	0.45	0.44					14,077.9	13,448.1



# **Antofagasta contacts**



**Andrew Lindsay** 

Director, London Office

alindsay@antofagasta.co.uk

Tel: +44 20 7808 0988



**Rosario Orchard** 

**Investor Relations Manager** 

rorchard@antofagasta.co.uk

Tel: +44 20 7808 0988





www.antofagasta.co.uk

