

# Aeris Resources Limited Brisbane Mining Club Presentation

**27 October 2022** Presented by: Andre Labuschagne



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# Disclaimer

### **Production Targets Cautionary Statement**

The Ore Reserve and Mineral Resource estimates underpinning the Stockman and Tritton Production Targets (refer to slides 13 and 28) were prepared by a Competent Person in accordance with the JORC Code 2012.

The material assumptions on which the Production Targets are based is set out in Appendix C of the ASX Release of Aeris dated 28 April 2022 "Transformational Acquisition and Capital Raise" (Initial Report). Aeris confirms that all material assumptions underpinning the production targets in the Initial Report continue to apply and have not materially changed.

In respect of the Tritton Production Target, there is low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the Tritton Production Target will be realised. The potential quantity and grade of the Exploration Target is conceptual in nature. In respect of the Exploration Target used in the Tritton Production Target, there has been insufficient exploration to determine a Mineral Resource and there is no certainty that further exploration work will result in the determination of Mineral Resources or that the Tritton Production Target itself will be realised. The stated Tritton Production Target is based on Aeris' current expectations of future results or events and should not be solely relied upon by investors when making investment decisions. Further evaluation work and appropriate studies are required to establish sufficient confidence that this target will be met. Aeris confirms that inclusion of 31% of tonnage (29% Inferred Mineral Resources and 2% Exploration target) is not the determining factor of the project viability. Aeris is satisfied, therefore, that the use of Inferred Mineral Resources and Exploration Target in the Tritton Production Target is reasonable.

The modifying factors used in the estimation of the Ore Reserve were also applied to the Mineral Resources in the generation of the Production Targets.

### Disclaimer

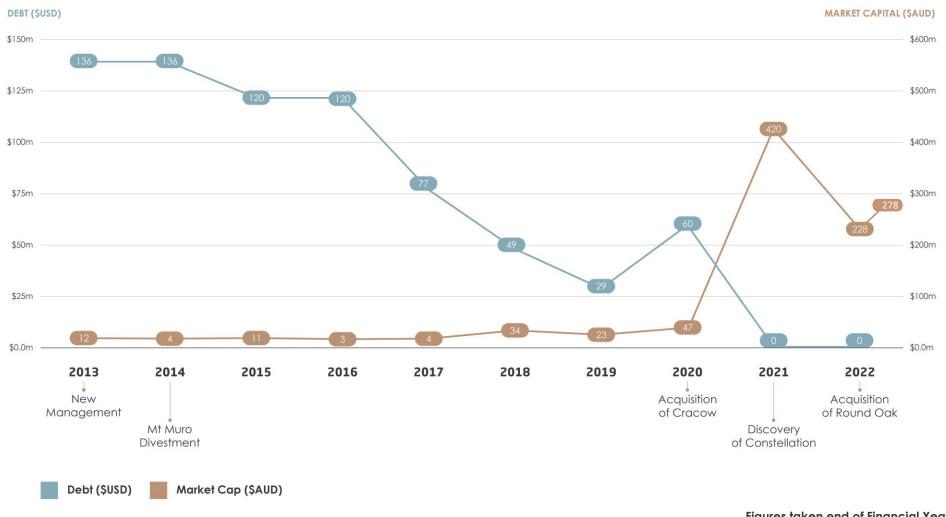
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# Aeris 10 year journey



## From US\$134M debt and 1 mine to zero debt and 4 mines



We are Aeris

Figures taken end of Financial Year



# **Aeris Resources**

## Australian mid-tier base and precious metals producer



4 producing operations



**1** long life development project



Resources of 780kt Cu, 993kt Zn, 1.4Moz Au<sup>1</sup>



FY23 production of 57 – 71kt Cu equivalent<sup>2</sup>



Strong long-term exposure to copper



**Excellent platform for growth** 



Refer to ASX release "Annual reserves and resources" dated 16 September 2022
 Financial year to 30 June 2023. Based on commodity pricing: Cu US\$8,649/t, Zn US\$3,313/t, Au US\$1,795/oz, Ag US\$22.5/oz. Refer to ASX release "FY23 Guidance" dated 25 August 2022.



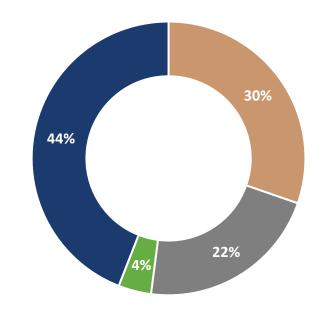
# **Corporate overview**

## **Robust balance sheet and supportive shareholder base**

### Capitalisation

Market capitalisation <sup>1</sup>	\$276 million
Cash <sup>2</sup>	\$92 million
Debt <sup>2</sup>	-
Enterprise value	\$184 million

### Shareholders<sup>3</sup>



■ WHSP ■ Australian Institutions ■ Foreign Institutions ■ Retail & Other

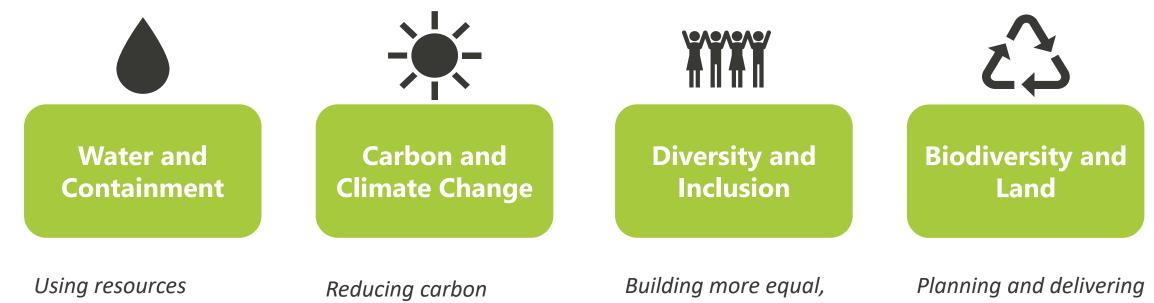
### Broker coverage



## EURØZ HARTLEYS



## **Commitment to transparency, integrity and sustainability**



Using resources efficiently in water, energy and consumables (including waste) Reducing carbon footprint and supporting renewable energy Building more equal, diverse, fair and inclusive workplaces which align to the diversity of our community Planning and delivering positive environment, economic and social legacy from discovery to closure



## **Tritton water experience 2019-2020**









## **Carbon - Converted loader to electric loader**











## **Diversity and Inclusion**





## **Biodiversity and Land - Tailings management**



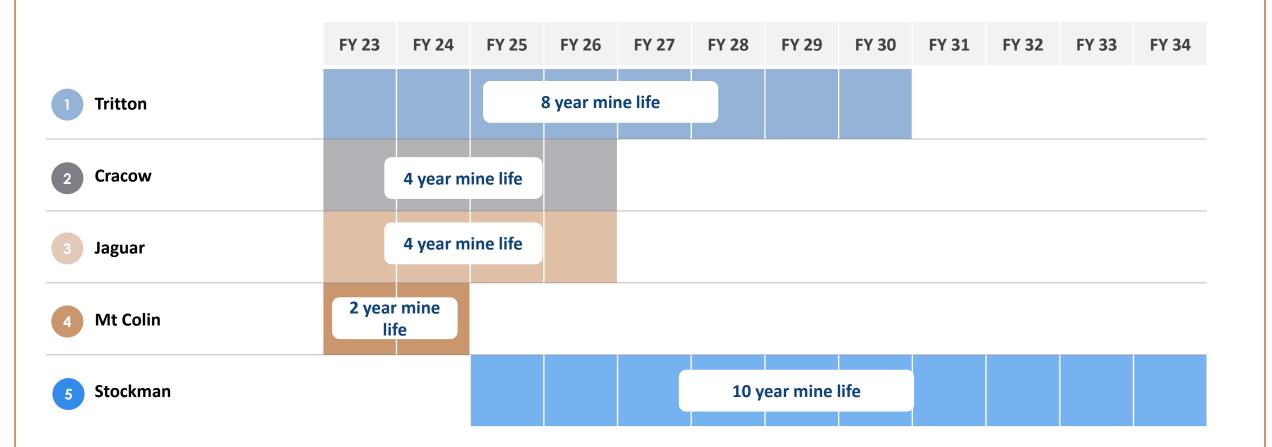








# Track record of growing reserve base and mine lives

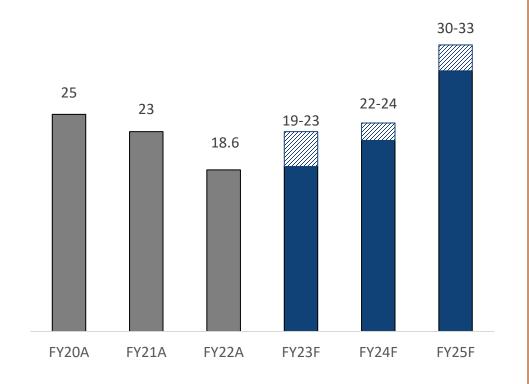




## **Tritton Cornerstone copper production and 8+ year mine life**

- ✓ Consistently extending mine life through exploration
- ✓ Moving to hub and spoke model
- Bringing high grade ore sources into production, lifting copper production
- ✓ Current mining areas (Tritton and Murrawombie) continue at depth
- ✓ Advancing the Constellation deposit new discovery with potential for future baseload mill feed

### Tritton production profile (kt, Cu)<sup>1</sup>



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Refer to Aeris announcement dated 3 August 2021. Aeris confirms that it is not aware of any new information or data that materially affects the information included in the relevant announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant announcement continue to apply and have not materially changed

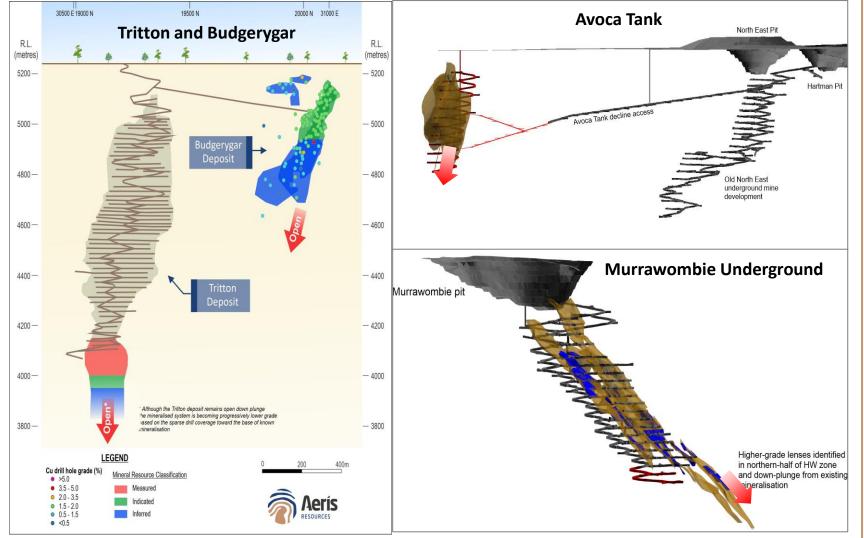


# **Tritton growth projects**

## Improving ore grades and extending mine life

Displacing 1.1% Cu from Tritton deeps with:

- 1.8% Cu ore from Budgerygar (in production)<sup>1</sup>
- 2.5% Cu and 0.8g/t Au ore from Avoca Tank (in production Q4 FY23)<sup>1</sup>
- Extending Tritton deeps to high grade ore only
- Extensions at Murrawombie
- All deposits open at depth

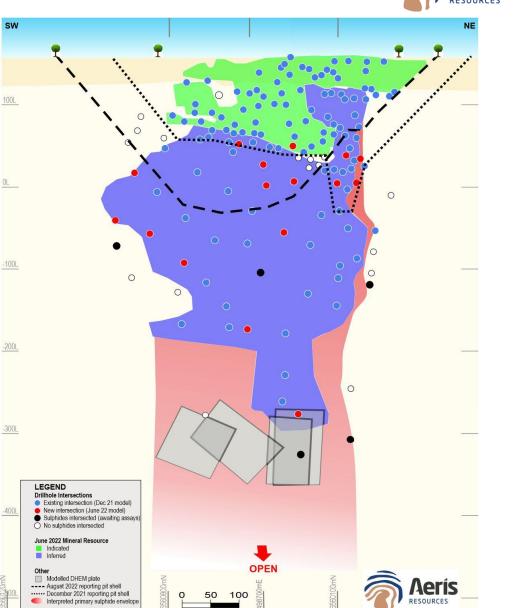




## **Constellation deposit** New potential mine

### • Located 45km northeast of the Tritton plant

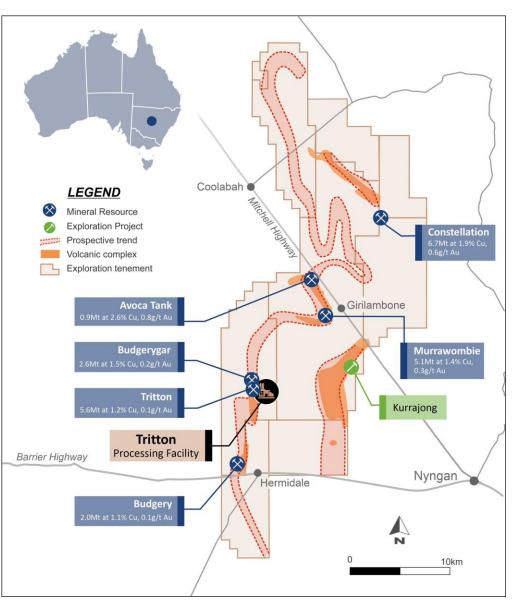
- Mineral Resource<sup>1</sup> of 6.7Mt at 1.85% Cu and 0.58g/t Au
  - Containing 123kt copper and 125koz gold
  - Approximately 3.1Mt of oxide, supergene and primary mineralisation is open pittable
- Resource extended from near surface to 450m depth
- Mineralisation remains open down plunge and along strike at depth
- Pre-feasibility study underway





# **Tritton exploration pipeline** Focus to the north

- Highly endowed region and 2,330km<sup>2</sup> tenement package
- 750kt copper already discovered and produced from deposits south of the Mitchell Highway
- Constellation discovered in 2019 looking for repeats
- EM survey completed on northern tenements awaiting results
- Resource update at Kurrajong planned for Q2 FY23

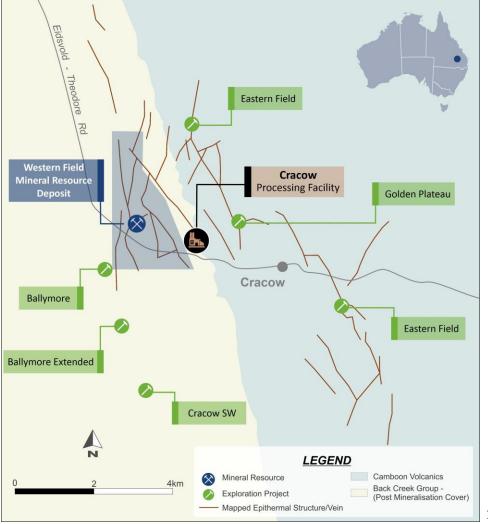




# Cracow

## High-grade gold mine with long history of reserve replacement

- ✓ Mature operation with high quality infrastructure
- ✓ Declining grades in the Western Vein Field
- ✓ Reinvesting cash flows in exploration
- ✓ Golden Plateau is high priority target
- Southern Vein Field underexplored due to thick cover and is future target area









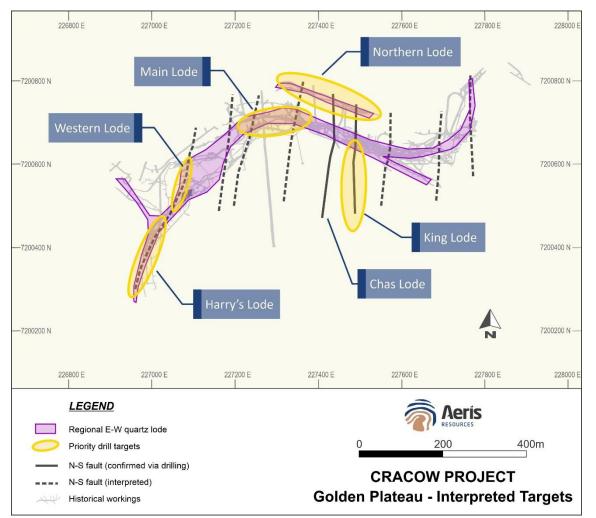
# **Cracow growth projects**

## **Golden Plateau – potential new ore source**

- Located only 1km from the Cracow mill
- Crosscutting structures host high-grade mineralisation away from the historic mining footprint
- Current drilling is targeting 5 priority lodes
- Recent drill intersections<sup>1</sup> include:
  - 8.9m at 16.0g/t Au
  - 11m at 7.4g/t Au
  - 10m at 4.1g/t Au
  - 4m at 9.0g/t Au

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• Maiden mineral resource targeted next quarter

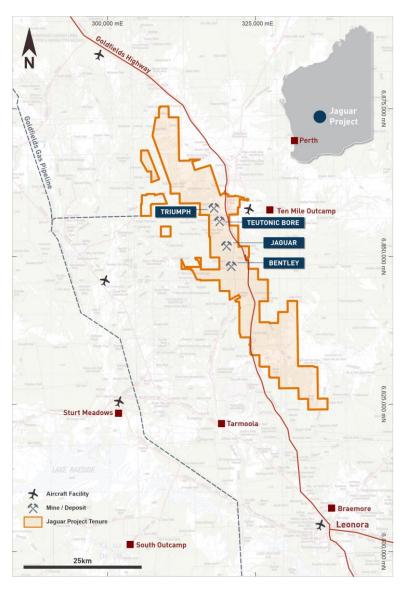


 Refer to ASX announcements "High-grade gold intersections at Golden Plateau" dated 2 June 2022, "Golden Plateau drilling program update" dated 4 October 2022 and the June 2022 Quarterly Report



## Jaguar Consistent, polymetallic underground mine

- ✓ Investing to extend Bentley operations at depth
- ✓ New Turbo lens discovered in 2021 to extend Bentley mine life
- ✓ Other high grade exploration targets at depth at Bentley
- ✓ Investigating potential at the closed Jaguar copper mine





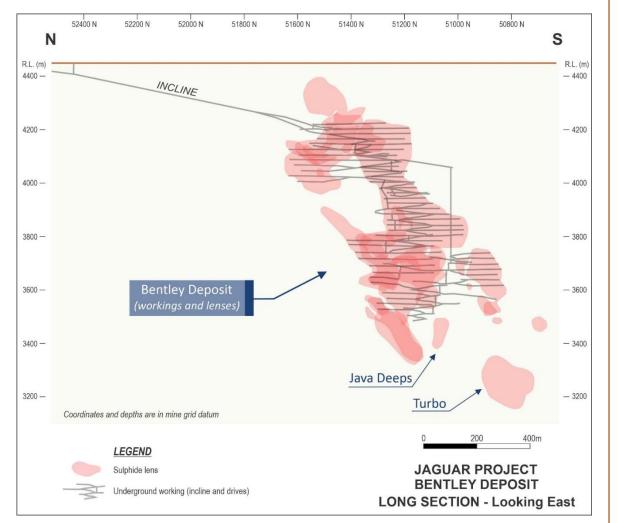




# Jaguar growth projects

### Significant resource growth potential at depth

- Bentley deposit open along strike and down plunge
- The high grade Turbo lens is a priority target resource update planned for later in the year
- New target Java Deeps also returned high-grade intersections<sup>1</sup>:
  - 7.1m at 2.15% Cu, 16.7% Zn, 1.98g/t Au, 228g/t Ag (3.2<sup>2</sup>)
- Investigations underway for reopening mining at the Jaguar deposit

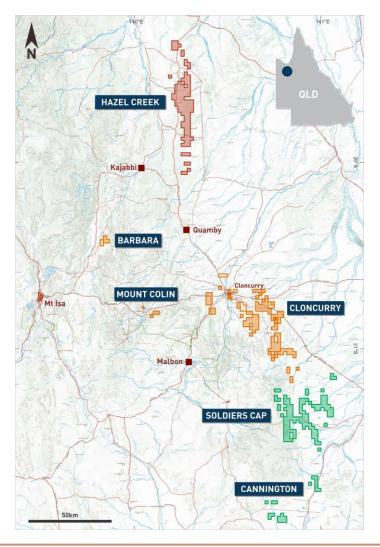




# North Queensland

## Cash generative copper-gold mine and large exploration portfolio

- Harvesting cash from Mt Colin mine to fund other group capital developments
- ✓ Potential underground operation at Barbara
- Large tenement package in highly prospective region to be explored
- Strategy to build a pipeline of projects to support 10 year production profile in the region







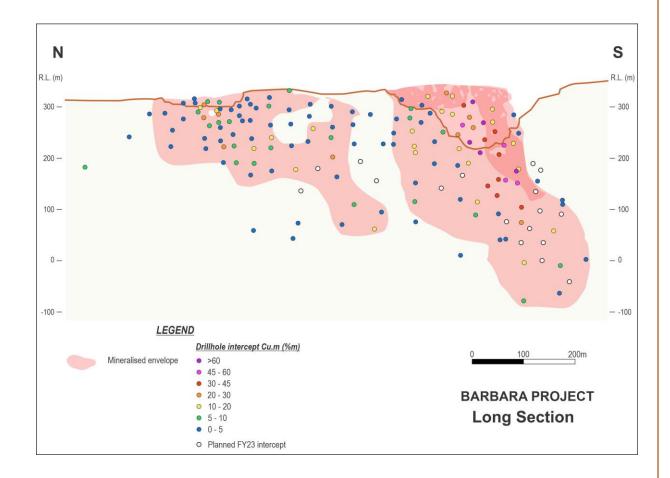


# North Queensland growth projects

Near-term potential at Barbara and large regional portfolio

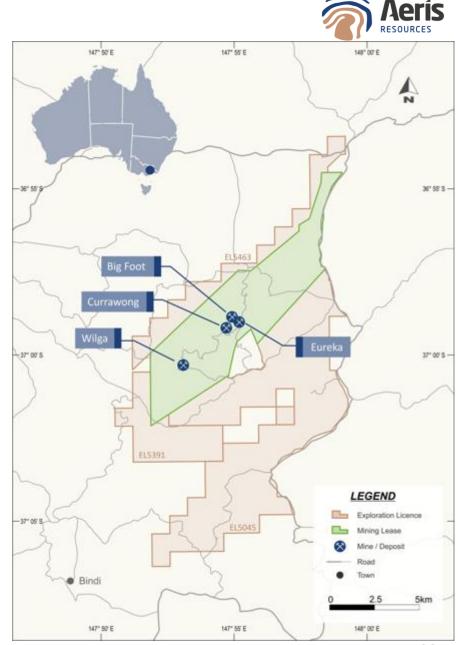
### Barbara

- Open pit mining finished in Dec 2020
- Mineralisation extends below current pit and is open at depth
- Mining study on a potential underground operation of similar scale to Mt Colin
- Drill program underway



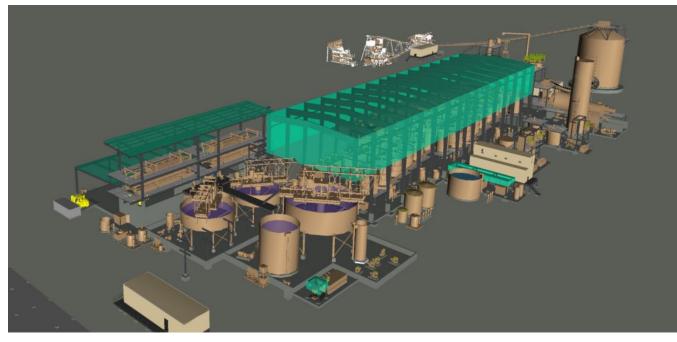
## **Stockman** High-grade, long life, polymetallic development project

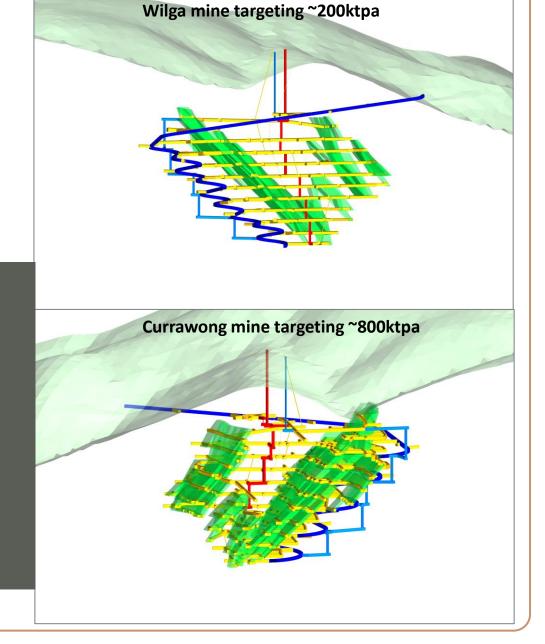
- ✓ Mining Lease approved
- ✓ Infrastructure Lease for tailings dam approved
- ✓ Project work plan approved
- ✓ High-grade, +10 year Ore Reserve of 9.6Mt at 2.9% CuEq (recovered)<sup>1</sup>
- ✓ Significant onsite road infrastructure already in place



## Stockman Advanced technical studies

- Underground mining operations at the Wilga and Currawong deposits targeting 1Mtpa
- Conventional flotation plant to produce copper and zinc concentrates with significant precious metals by-products



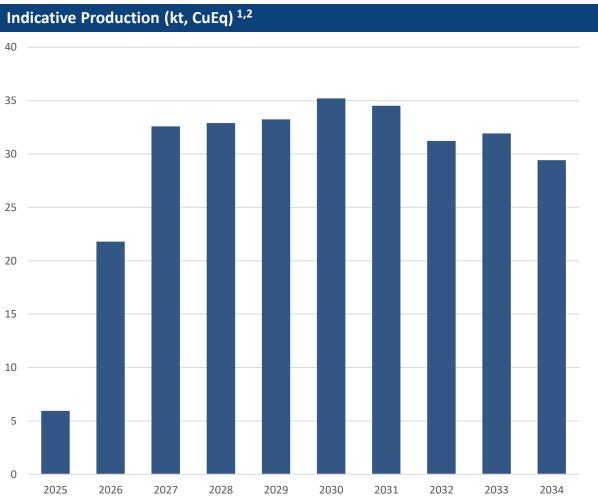


**Aerís** 



## **Stockman Clear path to development**

- Definitive feasibility study underway and due • for completion FY23
- Opportunities to extend mine life with Bigfoot • and Eureka resources
- Highly prospective tenements with over 50 • drill targets identified



Refer to Appendix for reserves and resources and copper equivalent calculations. 1. We are Aeri Refer to appendices of the ASX announcement dated 28 April 2022 "Transformational Acquisition and Equity Raise Presentation" for the material assumptions for the Production Target. 2.

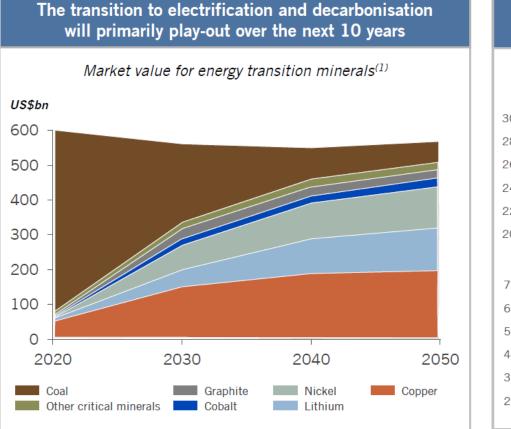
# The Market

**Aeris Resources** 

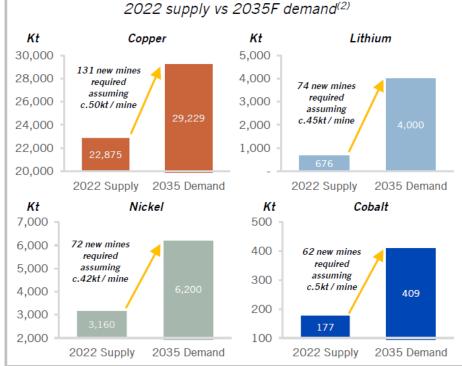


# **Global mining sector themes**

## Decarbonisation will drive demand over the next 10 years



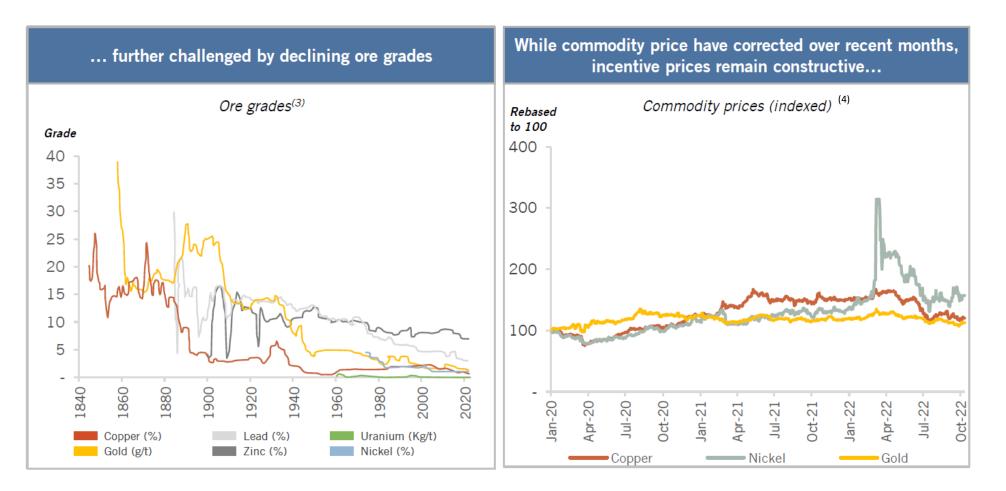
Unprecedented mine developments are required to meet expected future demand...



Source: Capital IQ, Jefferies research. (1) International Energy Agency. (2) Benchmark Minerals Intelligence.



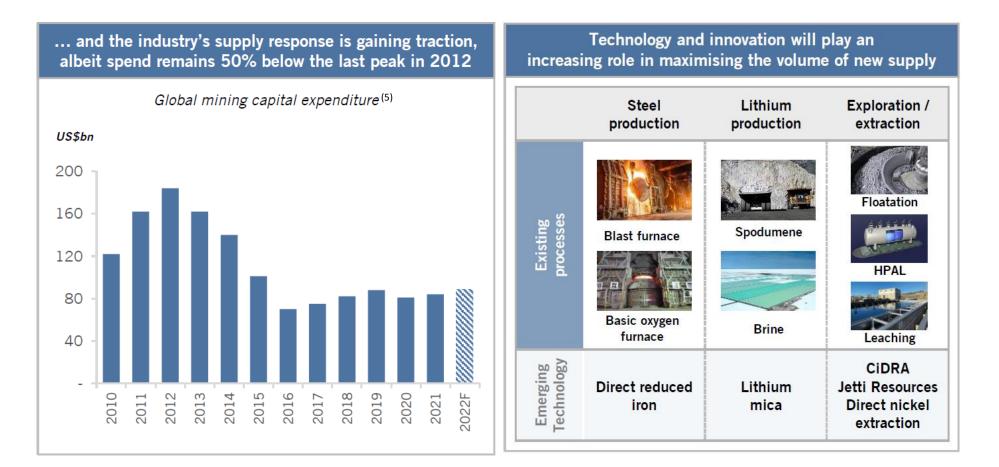
# **Global mining sector themes Grades declining incentive price remains constructive**



(3) Gavin Mudd, Monash University. Jefferies Australia (4) Capital IQ.



# Global mining sector themes Industry slow to respond, technology the future



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## Thank you Are there any questions?

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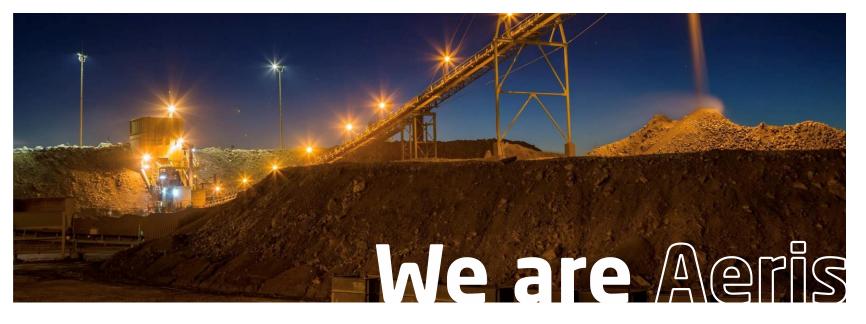
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### **Share Registry**

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Appendix

**Aeris Resources** 



# **Group guidance**

		FY23 Guidance	FY22A
Production			
Copper	kt	32 - 40	18.6
Zinc	kt	24 - 29	0.0
Gold	koz	60 - 78	58.2
Silver	Moz	1.1 - 1.3	0.1
Operating Costs			
Mining	\$M	229 - 277	147
Processing	\$M	98 - 120	53
Site G&A	\$M	69 - 83	30
TC/RCs	\$M	37 - 45	11
Product handling	\$M	41 - 49	18
Capital Costs			
Sustaining	\$M	91 - 112	47
Growth	\$M	50 - 62	50
Exploration	\$M	23 - 28	23
Projects (Stockman, Canbelego, Torrens)	\$M	9 - 11	1



# **Group Mineral Resources**

				Grad	le			Contained	Metal	
Project	Category	Tonnes ('000)	% Cu	% Zn	g/t Au	g/t Ag	kt Cu	kt Zn	koz Au	koz Ag
Tritton	Measured	2,311	1.2	-	0.1	2.7	27	-	6	201
	Indicated	11,252	1.4	-	0.3	4.3	158	-	111	1,564
	Inferred	9,334	1.7	-	0.4	4.0	159	-	119	1,188
	Total	22,896	1.5	-	0.3	4.0	344	-	235	2,954
Cracow	Measured	401	-	-	4.7	3.8	-	-	61	49
	Indicated	1,885	-	-	4.1	3.0	-	-	247	183
	Inferred	1,893	-	-	2.4	2.0	-	-	147	121
	Total	4,179	-	-	3.4	2.6	-	-	455	353
Jaguar	Measured	549	0.9	5.9	0.8	93	5	32	14	1,648
	Indicated	1,996	0.6	7.7	0.5	103	12	153	34	6,604
	Inferred	4,076	1.2	4.5	0.4	54	50	185	49	7,104
	Total	6,620	1.0	5.6	0.5	72	67	370	97	15,355
North Queensland	Measured	626	3.1	-	0.6	-	19	-	12	-
	Indicated	1,579	2.1	-	0.3	2.4	34	-	13	121
	Inferred	921	2.2	-	0.3	1.3	20	-	8	37
	Total	3,125	2.3	-	0.3	1.6	73	-	32	159
Stockman	Measured	-	-	-	-	-	-	-	-	-
	Indicated	12,400	2.1	4.3	1.0	39	254	538	408	15,628
	Inferred	2,437	1.7	3.5	1.4	34	42	85	112	2,652
	Total	14,838	2.0	4.2	1.1	38	296	623	520	18,280
Grand Total							780	993	1,339	37,101

Refer to ASX release "Annual reserves and resources" dated 16 September 2022.

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Aeris confirms that it is not aware of any new information or data that materially affects the information include the prior announcement and, in respect of any estimates of mineral resource or ore reserves, all material assumptions and technical parameters underpinning the estimates in the prior announcement continue to apply and have not materially changed.



# **Group Ore Reserves**

			Grade						Contained Metal			
Project	Category	Tonnes ('000)	% Cu	% Zn	g/t Au	g/t Ag	kt Cu	kt Zn	koz Au	koz Ag		
Tritton	Proved	1,085	1.2	-	0.1	2.4	13	-	2	84		
	Probable	3,717	1.4	-	0.3	3.5	53	-	41	420		
	Total	4,802	1.4	-	0.3	3.3	67	-	43	504		
Cracow	Proved	199	-	-	4.0	-	-	-	26	-		
	Probable	622	-	-	3.3	-	-	-	67	-		
	Total	821	-	-	3.5	-	-	-	92	-		
Jaguar	Proved	209	0.9	5.3	0.7	63	2	11	4	425		
	Probable	519	1.0	7.6	0.6	71	5	40	10	1,191		
	Total	728	1.0	6.9	0.6	69	7	51	15	1,616		
North Queensland	Proved	195	2.7	-	0.5	-	5	-	3	-		
	Probable	335	2.4	-	0.4	-	8	-	4	-		
	Total	529	2.5	-	0.4	-	13	-	7	-		
Stockman	Proved	0	-	-	-	-	-	-	-	-		
	Probable	9,640	1.9	4.3	1.0	36	183	413	318	11,409		
	Total	9,640	1.9	4.3	1.0	36	183	413	318	11,409		
Grand Total							270	464	475	13,529		

Refer to ASX release "Annual reserves and resources" dated 16 September 2022.

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# **Highly experienced board and management**

### **Board of Directors**



### Andre Labuschagne – Executive Chairman Experienced mining executive with a career

Experienced mining executive with a career spanning more than 30 years. Held various executive roles in South Africa, PNG, Fiji and Australia. Previously as the Managing Director of ASX-listed gold company Norton Gold Fields Limited, led the company's growth to become a significant Australian gold producer, prior to its sale to a major Chinese Gold company in 2012.



Sylvia Wiggins – Non-Executive Director A senior executive and investment banker with a demonstrated track record over 25 years in public markets, with a focus on finance, strategy and risk. Experience as CEO and CFO of public listed entities including most recently as CFO of Infigen Energy.



### **Robert Millner – Non-Executive Director**

Chairman of WHSP. Extensive experience in the investment industry including current board positions with Apex Healthcare Berhad, Brickworks, BKI Investment Company, New Hope Corporation & TPG Telecom



### Michele Muscillo – Non-Executive Director Partner specialising in corporate law with HopgoodGanim Lawyers. He is an admitted Solicitor and has a practice focused almost exclusively on mergers and acquisitions, and capital raising.



### **Colin Moorhead – Non-Executive Director**

Experienced industry executive with a geology background and a demonstrated track record of over three decades building value in mining companies. Extensive experience in developing and financing mining projects internationally. Significant ASX board experience in the resources sector.

### **Senior Executives**



### **Robert Brainsbury – CFO**

More than 30 years' experience in the mining and mining services sectors including senior roles with Rio Tinto, Xstrata, MIM Holdings and BIS Industrial Logistics. Previously was CFO at Norton Gold Fields Limited.



### Ian Sheppard – COO

More than 30 years' experience in mine operations, technical studies and business development gained in gold, base metals and iron ore. Worked in Australia, Canada and Papua New Guinea. Was previously COO at Norton Gold Fields Limited.



### Kim Franks – CPO

A Senior People and Culture Executive with over 20 years experience; more than a decade of which has been in the mining industry. Career history includes senior leadership roles with BHP, Santos and New Hope Corporation.



# **Copper equivalent calculation**

### **Copper Equivalent Calculation**

In this presentation, production is presented on a recovered CuEq metal produced basis and AISC costs are presented on a payable CuEq metal sold basis.

### **Recovered CuEq Metal Produced**

CuEq Metal Recovered t =	(Recovered Cu Metal t ×Cu Price \$/t) +(Recovered Zn Metal t ×Zn Price \$/t) +(Recovered Au Metal oz ×Au Price \$/oz) +(Recovered Ag Metal oz ×Ag Price \$/oz) Cu Price \$/t	where each <b>Recovered Metal</b> is <i>Contained Metal x recovery %</i> .
Payable CuEq Metal Sold		
/	(Cu Pavable Metal $t \times Cu$ Price $(t)$	

	(Cu Payable Metal t ×Cu Price \$/t)	
	+(Zn Payable Metal t ×Zn Price \$/t)	
	+(Au Payable Metal oz ×Au Price \$/oz)	
CuEg Metal Payable t =	+(Ag Payable Metal oz ×Ag Price \$/oz)	, where each <b>Payable Metal</b> is <i>Recovered Metal in concentrate sold x actual</i>
Cuby Metai Fayable i =	Cu Price \$/t	, where each <b>rayable weldi</b> is helovered weldi in concentrate sola 'x actuar
navahility % naid		

payability % paid.

With respect to historical metrics, CuEq has been calculated using the average realised metal prices over the cited period (except as otherwise stated).

With respect to CuEq metrics, forecast metal prices applied are as follows unless otherwise stated:

Base Price De	ck	CY 2022	CY 2023	CY 2024	CY 2025	CY 2026	CY 2027	2028+
Copper	USD / lb	4.50	4.30	4.10	3.90	3.80	3.80	3.80
Silver	USD / oz	23.00	22.50	22.00	21.50	21.00	21.00	21.00
Gold	USD / oz	1,825	1,800	1,775	1,750	1,725	1,700	1,700
Zinc	USD / lb	1.50	1.40	1.35	1.30	1.25	1.20	1.20
FX	AUD:USD	0.72	0.72	0.72	0.72	0.72	0.72	0.72

Recovery Factors	s by Operation	FY21	FY22	FY23	LOMP
Recovery Factor Zi	nc				
Tritton	%				
Cracow	%				
Mt Colin	%				
Jaguar	%			83.9%	81.5%
Barbara	%				
Stockman	%				76.1%
Recovery Factor Co	opper				
Tritton	%	93.7%	94.2%	92.8%	93.3%
Cracow	%				
Mt Colin	%			90.0%	90.0%
Jaguar	%			87.1%	90.2%
Barbara	%				
Stockman	%				80.5%
Recovery Factor Si	lver				
Tritton	%	73.6%	77.1%	80.0%	80.0%
Cracow	%	73.6%	77.1%	77.3%	77.3%
Mt Colin	%				
Jaguar	%			86.9%	91.1%
Barbara	%				
Stockman	%				58.2%
Recovery Factor G	old				
Tritton	%	52.7%	49.8%	55.0%	55.8%
Cracow	%	92.3%	90.7%	89.3%	90.4%
Mt Colin	%			82.3%	78.6%
Jaguar	%			63.5%	52.8%
Barbara	%				
Stockman	%				19.9%