



GENESIS
MINERALS LIMITED

READY, SET, GROW; BMO

Assets and people in place for +300,000 ounces per annum

BMO GLOBAL METALS, MINING & CRITICAL MINERALS CONFERENCE - FLORIDA

23rd FEBRUARY 2024

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Competent Person Statements

The information in this Presentation that relates to:

- The Mineral Resource and Ore Reserve estimates for Genesis has been extracted from Genesis’ ASX announcement of 3rd July 2023 titled “Completion of the Leonora acquisition elevates Genesis to a leading Australian gold house”.
- The Mineral Resources and Ore Reserves estimates for the Gwalia and Tower Hill projects have been extracted from Genesis’ ASX announcements of 17th and 20th April 2023 titled “Reporting on St Barbara Leonora Projects” and “Revised: Reporting on St Barbara Leonora Projects”.
- The Mineral Resources and Ore Reserves estimates for the Dacian projects have been extracted from the Dacian ASX announcement of 3rd July 2023 titled “2023 Mineral Resources and Ore Reserves update”.
- Exploration Results is based on information compiled by Mr. Andrew de Joux who is a full-time employee of Genesis Minerals Limited, a shareholder of Genesis Minerals Limited and is a member of The Australian Institute of Geoscientists. Mr de Joux has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr de Joux consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

In each case above, Genesis confirms that it is not aware of any new information or data that materially affects the information included in the market announcements and Genesis confirms that all material assumptions and technical parameters underpinning the Mineral Resource and Ore Reserve estimates and the exploration results in those market announcements continue to apply and have not materially changed. Genesis confirms that the form and context in which the Competent Persons’ findings are presented have not been materially modified from those market announcements.

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Release authorised by: Raleigh Finlayson, Managing Director, Genesis Minerals Limited.

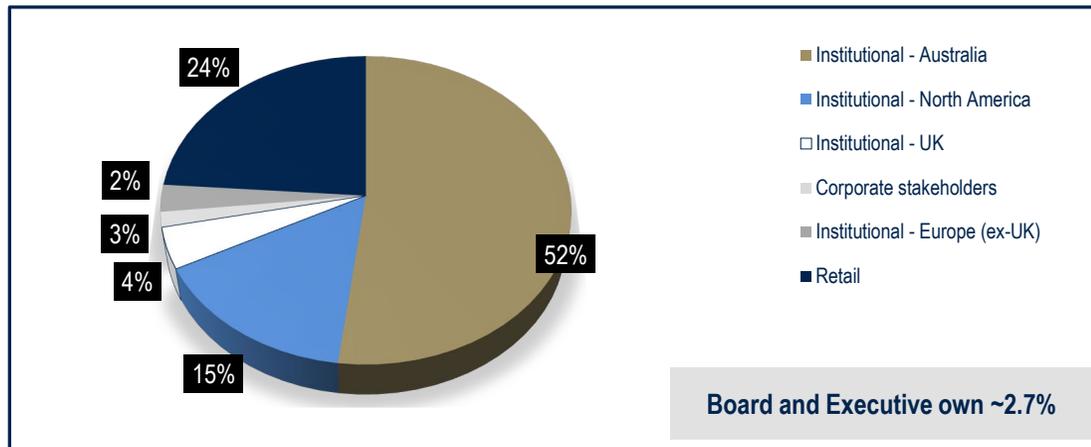
Corporate overview



Key metrics (ASX: GMD)¹

Shares on issue	1,122m ²
Share price	A\$1.56
Market capitalisation	A\$1.7b
Cash and bullion 31st December 2023	A\$192m³
Bank debt	Nil
Liquidity	30-day ADV 2.8m shares
Major indices	ASX200, MSCI Small cap, GDX, GDXJ
Hedging	Nil
Group Ore Reserves	3.9Moz (30th June 2023), update March 2024
Group Mineral Resources	15.0Moz (30th June 2023), update March 2024

Ownership - Geographic



Board

Non-Executive Chairman	Tony Kiernan
Managing Director	Raleigh Finlayson
Non-Executive Director	Michael Bowen
Non-Executive Director	Gerry Kaczmarek
Non-Executive Director	Jacqueline Murray
Non-Executive Director	Mick Wilkes

Executive

Chief Financial Officer	Morgan Ball
Corporate Development Officer	Troy Irvin
General Manager - Leonora	Matt Nixon
General Manager - Laverton / GMS	Lee Stephens
General Manager - Technical Services	Andrew Francis
General Manager - People and Culture	Kellie Randell

Substantial shareholders

AustralianSuper Pty Ltd	17.6%
Van Eck Associates Corporation	9.1%
Resource Capital Fund VII L.P.	7.6%
Paradice Investment Management	6.3%
State Street Corporation	5.9%

1. At 23rd February 2024 unless otherwise stated; 2. Excludes ~48m unquoted securities (~29m options at various exercise prices and ~19m retention and performance rights); 3. Cash and bullion is before payment of approximately A\$43m transaction costs in relation to the acquisition of St Barbara's Leonora assets, the acquisition of 100% of Dacian, and the acquisition of the Bruno-Lewis and Kyte projects (payment anticipated in 2024).

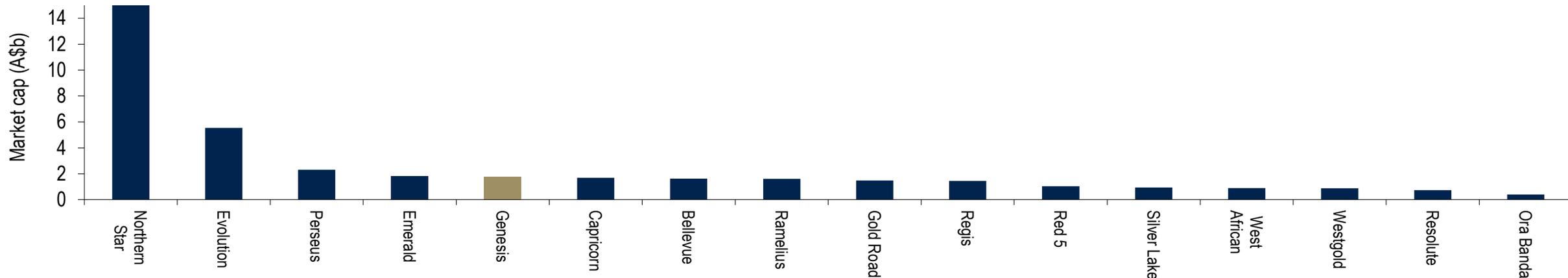
Rapid evolution



From concept to production in just 2 years

SEPTEMBER 2021	APRIL 2022	JULY 2022	APRIL 2023	1 st JULY 2023
<p>NEW MANAGEMENT GOLD EXPLORER ~A\$150m market cap 1.6Moz Resources No Reserves No production</p> <p><i>Foundation (strategic) assets included Ulysses and Admiral deposits</i></p>	<p><i>“Open for business” strategy unveiled (Appendix A)</i></p> <p><i>VISION = “The premium Australian gold miner - Sustainable, high quality, +300koz pa”</i></p>	<p><i>Dacian Gold takeover bid announced</i></p> <p><i>Acquired assets included 2.9Mtpa Mt Morgans mill and Jupiter open pit mine</i></p> <p>Acquisition cost ~A\$140m¹ ~A\$56 / Resource oz <i>A\$172m of milling infrastructure (2016-2018)²</i></p>	<p><i>Purchase of St Barbara’s Leonora assets announced</i></p> <p><i>Acquired assets included Gwalia underground mine, 1.4Mtpa Leonora mill, Tower Hill project</i></p> <p>Acquisition cost ~A\$631m³ A\$60 / Resource oz</p>	<p>GOLD PRODUCER ~A\$1.5b market cap 15.0Moz Resources 3.9Moz Reserves ASX 200 Company</p> <p><i>Following an intense period of corporate activity, Genesis NOW has the assets and people in place to achieve the +300 VISION</i></p>

New peer group



1. Blended price - Refer to Genesis ASX announcement 5th July 2022 “Acquisition of Dacian Gold and Capital Raising” (acquisition of initial 80% of Dacian) and Genesis ASX announcement 16th October 2023 “Recommended offer to acquire remaining 20% of Dacian”; 2. Mt Morgans Feasibility Study 21st November 2016; 3. Refer to Genesis ASX announcement 15th May 2023 “Genesis on track to acquire St Barbara Leonora assets”.

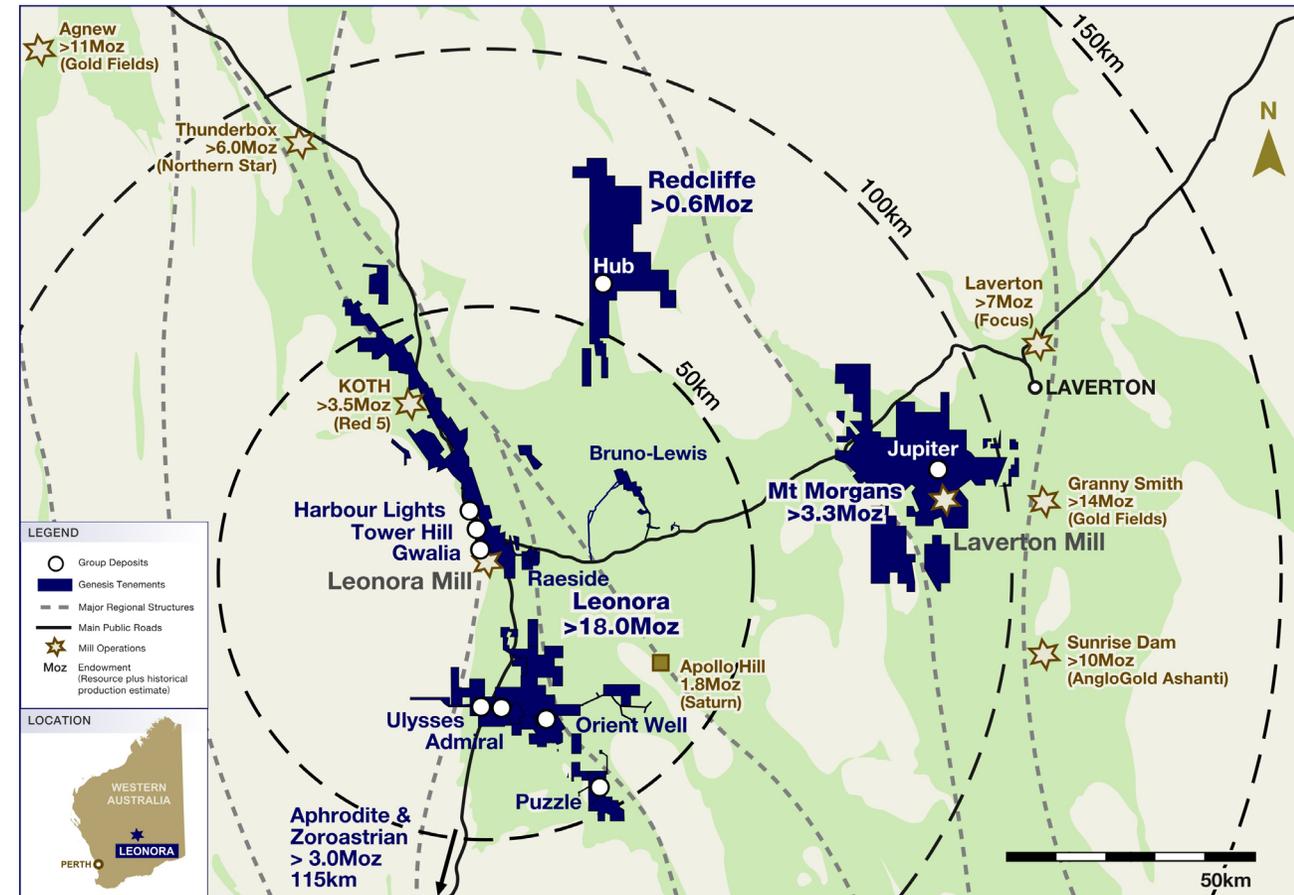
A new and growing Australian gold house



100% focused on Leonora, Western Australia:

- ▶ **Management capability, financial flexibility and investor mandate to grow Leonora**
- ▶ **300koz pa base case “margin > ounces” plan:**
 - **FIRST 200 (Leonora mill) -** Transition Gwalia to high grade, selective mining; Add new Admiral open pit and Ulysses underground to “fill the mill”
 - **GROW TO +300 (re-start Laverton mill) -** Grow Jupiter and Bruno-Lewis open pits, advance new Tower Hill high grade project
- ▶ **A\$192m cash / bullion¹; no bank debt, no hedging**
- ▶ **March 2024:**
 - **Group Resource / Reserve update**
(v 30th June 2023 15.0 Moz / 3.9Moz)
 - **5-year outlook including production guidance**

Dominant position in the prolific Leonora District



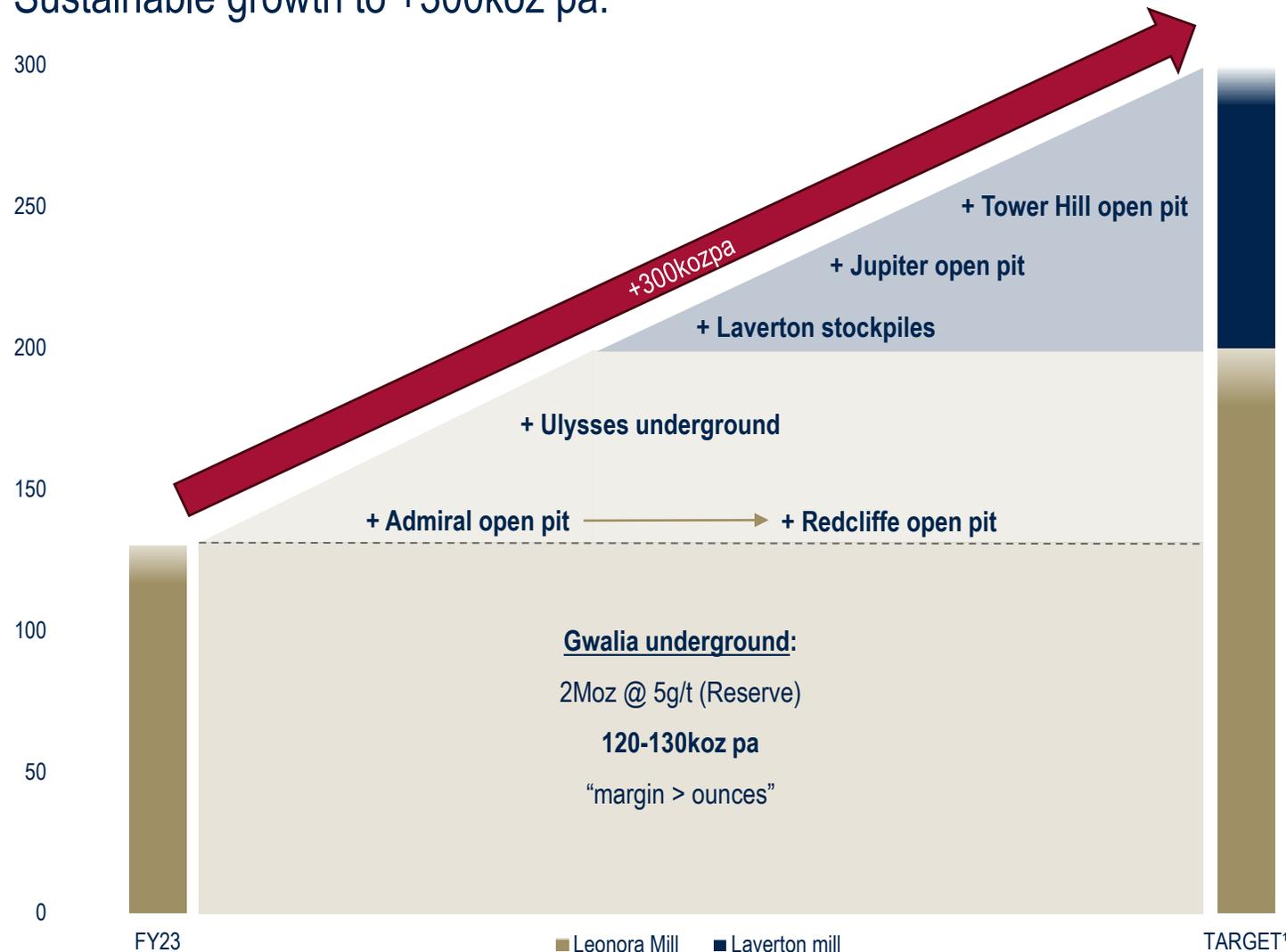
Growth focus pivoted from inorganic to ORGANIC

1. Cash and bullion at 31st December is before payment of approximately A\$43m transaction costs in relation to the acquisition of St Barbara's Leonora assets, the acquisition of 100% of Dacian, and the acquisition of the Bruno-Lewis and Kyte projects (payment anticipated in 2024);

Creation of the central player in the tier-one Leonora District



Sustainable growth to +300koz pa:



Overview	
Key mines / projects	<ul style="list-style-type: none"> • Gwalia • Admiral • Ulysses • Tower Hill • Jupiter • Redcliffe <p><i>Longer-term upside - Excluded from 5-year plan:</i></p> <ul style="list-style-type: none"> • Orient Well • Puzzle • Zoroastrian • Aphrodite / Harbour Lights
Mining method	Underground and open pit
Processing	Conventional CIL
Milling capacity	Leonora - 1.4Mtpa Laverton - 2.9Mtpa
Ore Reserves	41Mt @ 3.0g/t for 3.9Moz Au
Mineral Resources	220Mt @ 2.2g/t for 15.0Moz Au
Production target¹	+300koz pa

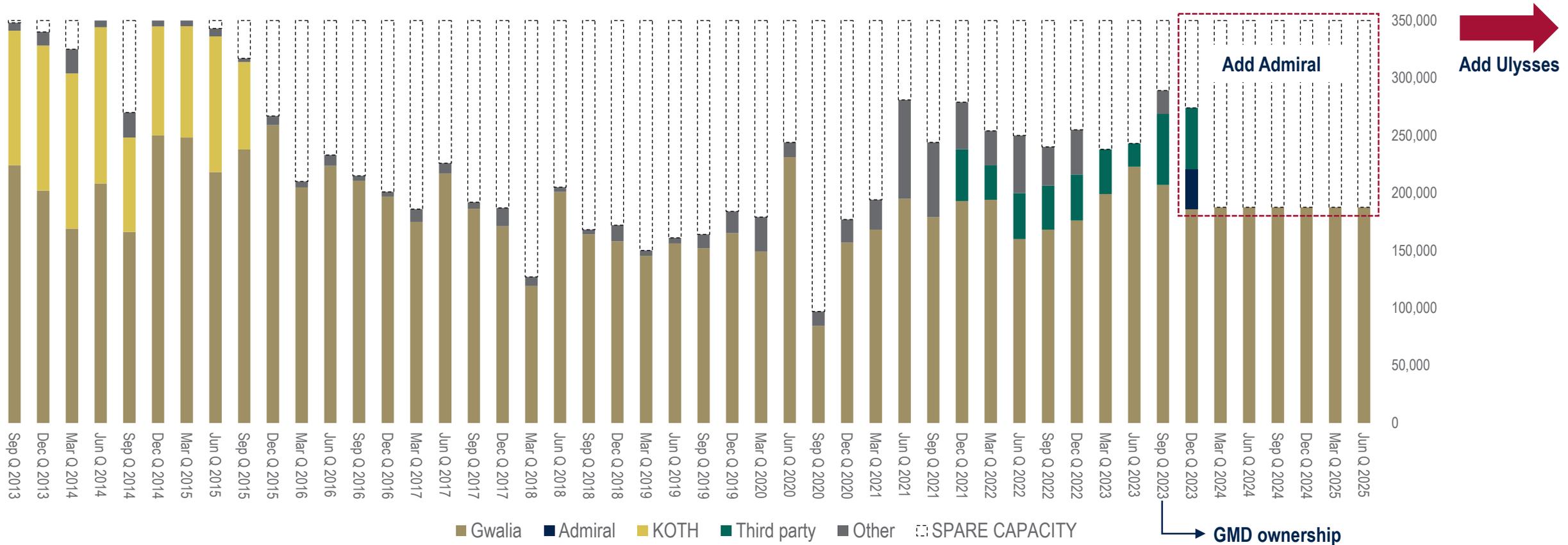
1. Refer to Appendix E of the Genesis ASX announcement 17th April 2023 "Presentation - Acquisition of St Barbara's Leonora Assets" for the material assumptions relating to the production target. The Company confirms that all the material assumptions underpinning the production target in that announcement continue to apply and have not materially changed. The production target is underpinned in part by Inferred Mineral Resources and there is a 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 Inferred Mineral Resources or that the production target itself will be realised.

1. Filling the Leonora mill



Taking the pressure off Gwalia:

Leonora mill - Ore sources by quarter¹ (t)



- ▶ Leonora mill underutilised since 2015; New **Admiral open pit fast-tracked to fill the mill over the next ~2 years**
- ▶ **Lower processing costs** (better utilisation of high fixed cost mill); **Lower AISC**

1. St Barbara and Genesis quarterly reports.

2. Ramping-up Admiral open pit



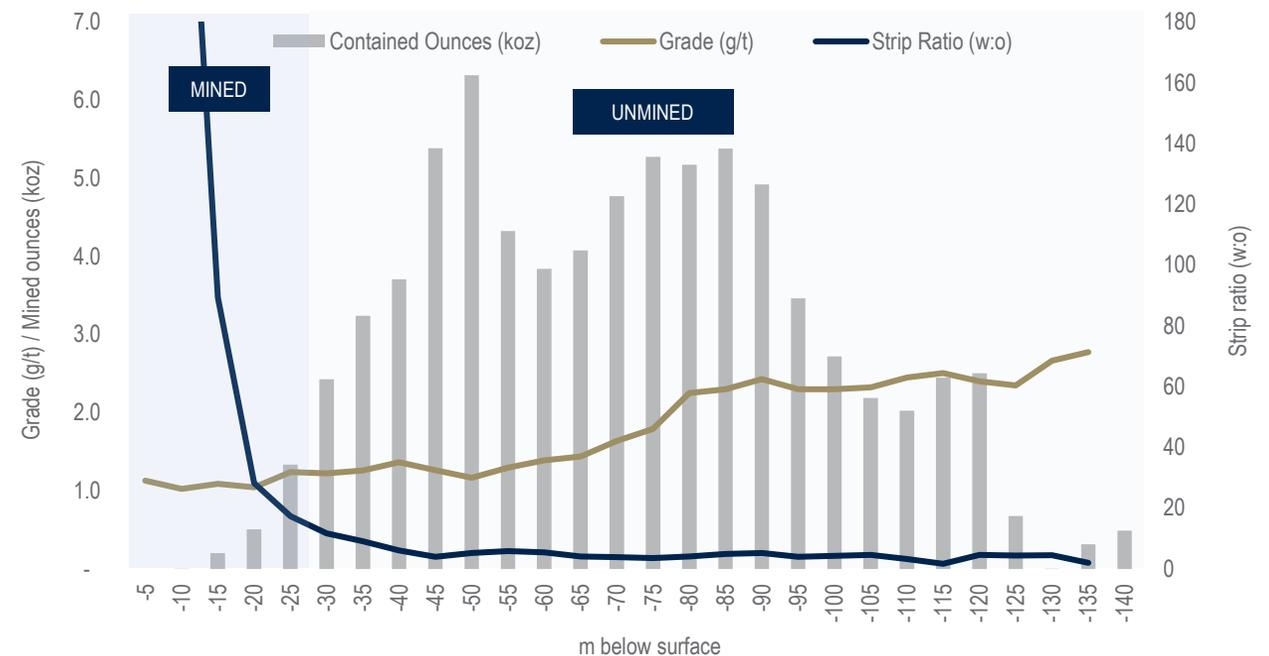
New, shallow, high grade 1.6g/t open pit:

- ▶ ~40km trucking distance to the 1.4Mtpa Leonora mill
- ▶ **Genesis Mining Services (GMS)** - Genesis' in-house open pit mining arm, ahead of schedule
- ▶ **First ore processed in the December quarter; ~1.5Mt of ore over the next ~2 years**
- ▶ **Mining rate > milling rate...building stockpiles / future-proofing**

Admiral - GMS born ready



Admiral "jaws" - It gets better every day...



3. Transitioning Gwalia to high grade, selective mining



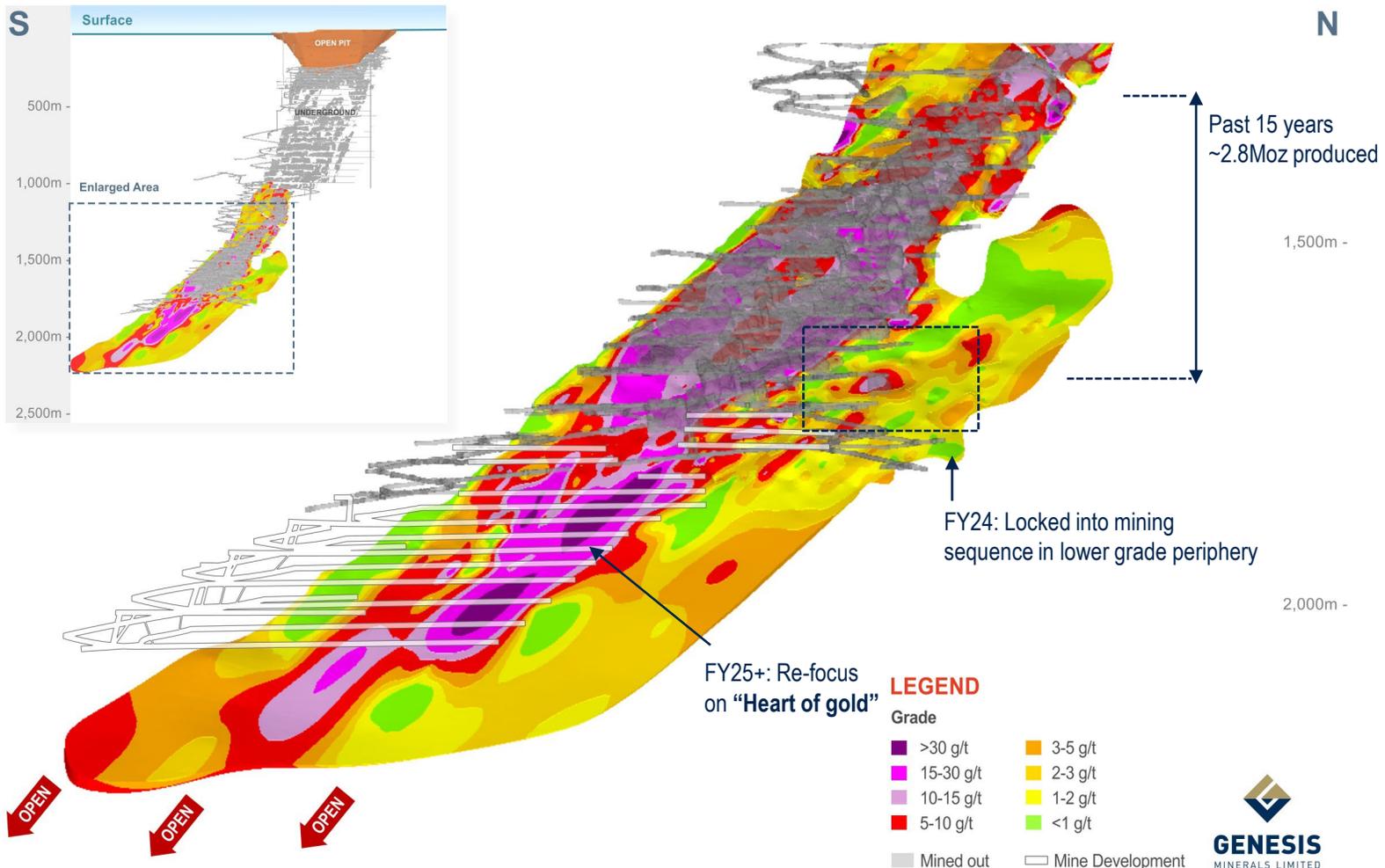
Prolific high-grade, long-life asset, underwritten by 5,600oz per vertical metre:

- ▶ **Strategic review validates the more conservative “quality > quantity” strategy identified in due diligence, including:**
 - **Mine scheduling / transition to selective mining with re-focus on “heart of gold”**
 - **Geotechnical risk assessment**
 - **First two quarters of production under Genesis ownership (mine grade 5.4g/t)**
 - **High grade drill results including:**

1.7m @ 269g/t	10.8m @ 22.7g/t
21.2m @ 24.1g/t	5.6m @ 39.1g/t
12.3m @ 30.1g/t	1.2m @ 175g/t
3.2m @ 94.2g/t	10.4m @ 20.1g/t

More on the way... Opening up opportunities down and up-dip
- ▶ **Genesis’ maiden Gwalia Resource and Reserve estimate March 2024**

Gwalia - Long section



4. Ulysses mine ready for development from March quarter 2024



Ulysses to operate as one with neighbouring Gwalia mine:

► **Surplus equipment and people at Gwalia...**

e.g. Trucks reduced to 11 (from 14)

e.g. Jumbo drills reduced to 2 (from 5)

► ...to be re-deployed at Ulysses

► **Ulysses = New shallow mine:**

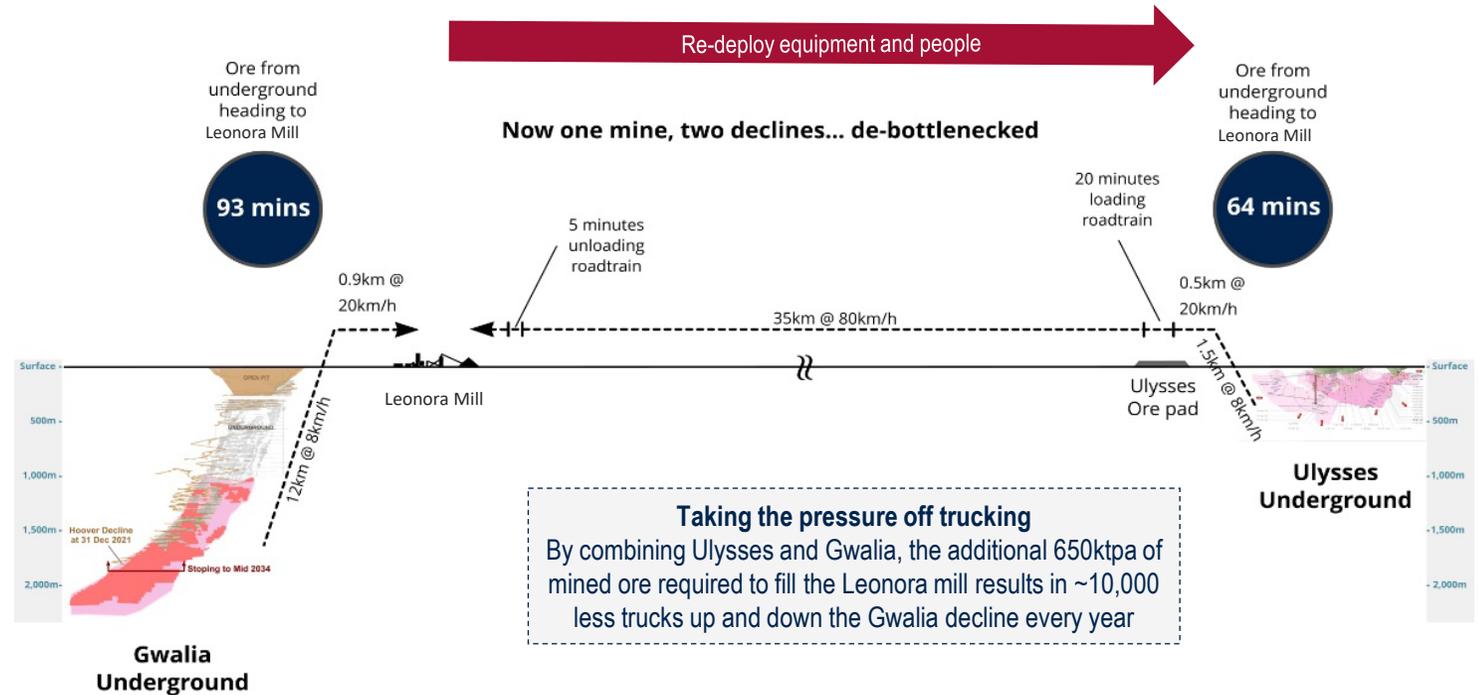
- Soft ore from 50m below surface
- 2,400oz per vertical m
- Excellent geotechnical conditions
- Open along strike and at depth

► **Enables Gwalia to be reconfigured to “quality > quantity” mining rate**

► **Shared fixed costs / lower group costs**

Two becomes one

		Gwalia	Ulysses full scale ²	Combined
Annual mining rate	Mtpa	0.7 - 0.8	0.6 - 0.7	1.3 - 1.5
Annual gold production	kozpa ¹	120 - 130	60 - 70	180 - 200



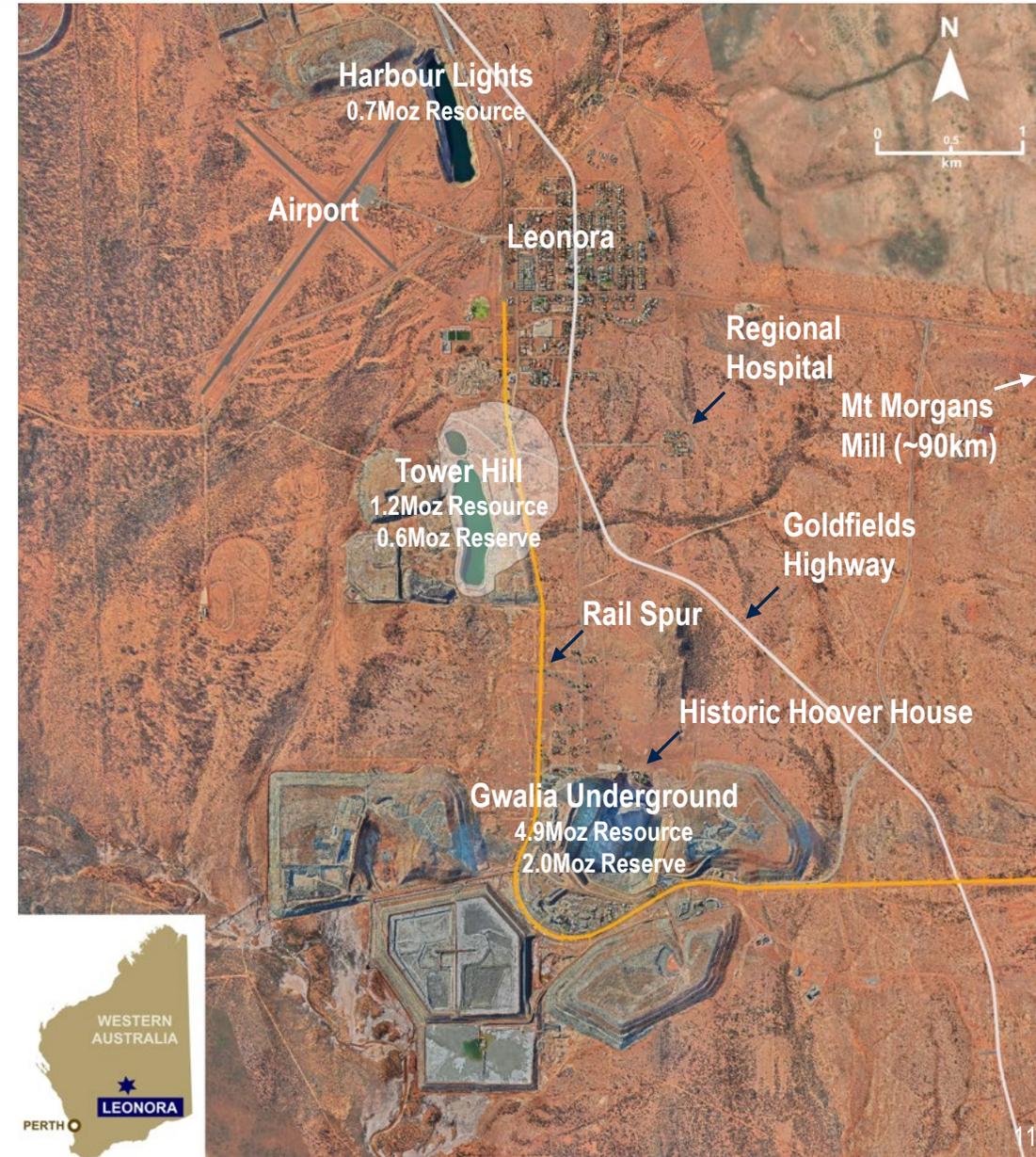
1. 200koz pa Production Target is a subset of the 300koz pa production target - Refer to Appendix E of the Genesis ASX announcement dated 17 April 2023 titled "Presentation - Acquisition of St Barbara's Leonora Assets" for the material assumptions relating to Genesis' production target. The Company confirms that all the material assumptions underpinning the production target in that announcement continue to apply and have not materially changed. There is a 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 production target itself will be realised; 2. Full scale ramp-up by FY26.

5. Advancing Tower Hill



Forgotten asset in the shadow of Gwalia:

- ▶ **Infrastructure-rich**, just 2km north of Gwalia
- ▶ **Shallow single open pit** - Resources 20.7Mt @ 1.8g/t for 1.2Moz, Reserves 9.7Mt @ 1.8g/t for 560koz
- ▶ **Awakening a sleeping giant, early progress includes:**
 - **Engagement with key stakeholders**
 - Design and installation work for the dewatering pipework and pump configuration is out to tender
 - **Updating the Reserves** with lower costs using the 2.9Mtpa Laverton mill and GMS unique in-house open pit mining
 - **Feasibility Study for regulatory approvals**
 - Evaluation of mining and scheduling options
- ▶ As previously flagged, an **approvals / development time of ~2-3 years is anticipated** - Further details on the development timeline and anticipated production profile will be provided with Genesis' five-year outlook in March 2024

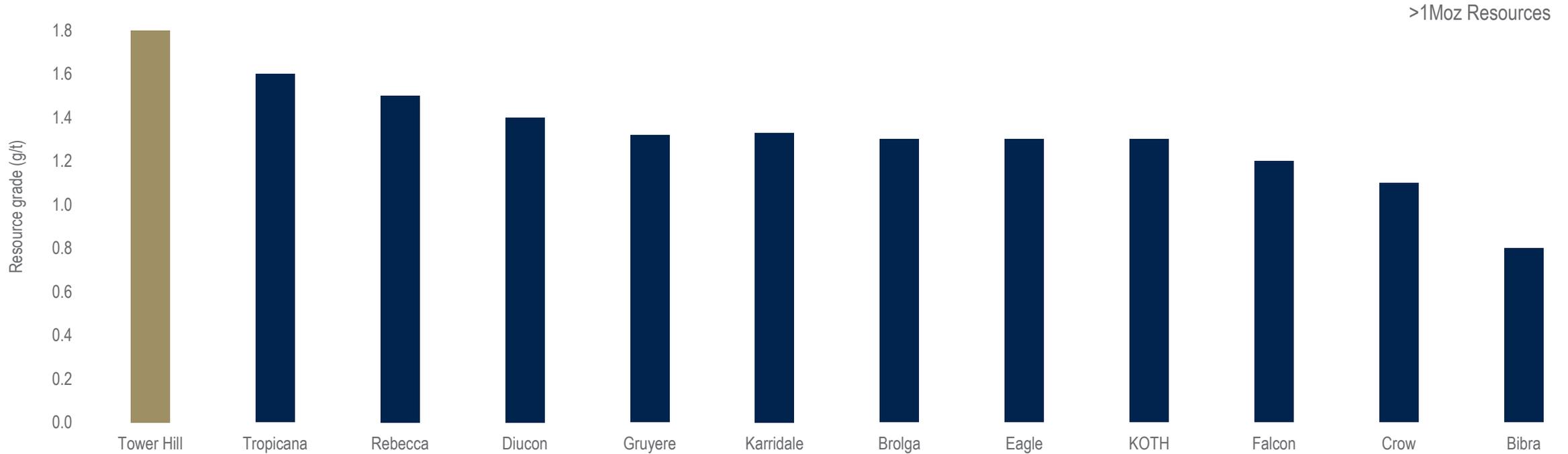


5. Advancing Tower Hill



Industry leader - Grade, scale, simplicity:

Peer Resource grades (g/t) - Western Australian, single open pit deposits only

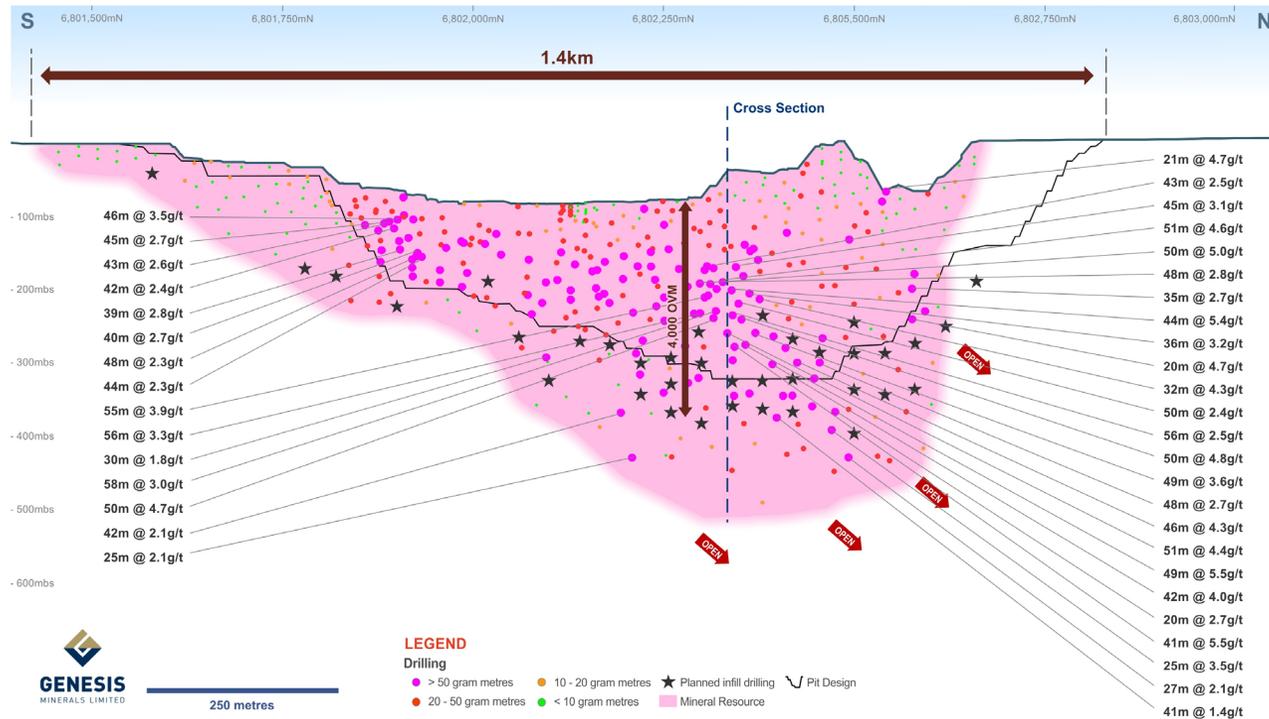


5. Advancing Tower Hill



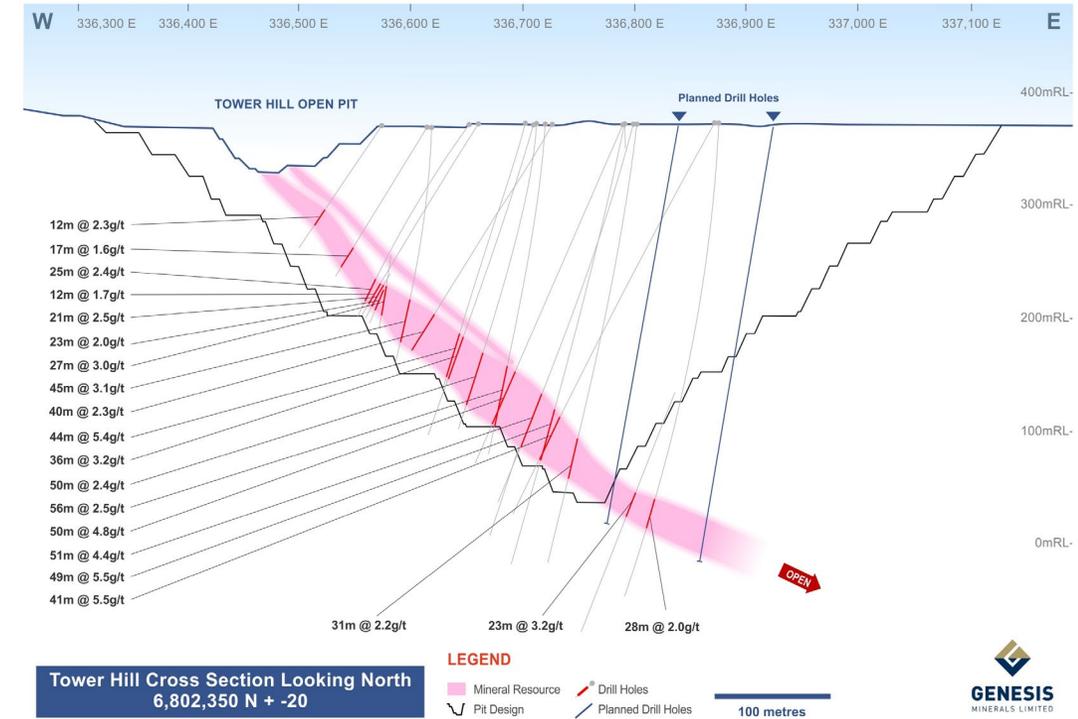
High grade open pit with outstanding growth credentials:

Tower Hill - Long Section



- ▶ Average drill intercept **35m @ 1.8g/t**
- ▶ Endowment **4,000oz per vertical m**
- ▶ Open down plunge; **underground mining potential**
- ▶ **Drilling underway, results March 2024**

Tower Hill - Cross Section



Tower Hill Cross Section Looking North
6,802,350 N + -20

- ▶ **Team GMS - Opportunity for low-cost, bulk mining** applying first-hand open pit learnings from:
 - **Kalgoorlie Super Pit**
 - **Thunderbox**



- ▶ Genesis is a new **Australian gold house, 100% focused on Leonora**
- ▶ Genesis is targeting **sustainable, high-quality earnings** with **capital-light production growth**
- ▶ Genesis has the **management capability, financial flexibility** and **investor mandate** to **restore and grow Leonora**
- ▶ Genesis is **funded to invest in Leonora** and **deliver the long-term benefits of more production at lower cost and lower risk**
- ▶ Genesis is positioned to **“fill the gap”** between the **ASX 100 gold producers** and the rest
- ▶ Genesis has **made a good start** - Building run-of-mine stocks and hitting targets
- ▶ Genesis has the **assets and people in place to achieve the +300 VISION**

Re-building the foundations



Conservative management committed to “future-proofing” Leonora:

STRATEGIC REVIEW...

- ▶ **Investment to ensure a new lease of life for Leonora in the long-term:**
 - ▶ **Re-build** Resource, Reserve, life of mine plan
 - ▶ Re-set (slow) production; add Ulysses / Admiral
 - ▶ Accelerate development and drilling
 - ▶ Reduce geotechnical risk
 - ▶ Reduce costs
- ▶ **Defensive characteristics:**
 - ▶ Increase resilience to short term risk (while locked into existing mining sequence)
 - ▶ **Restore trust in Gwalia** over time

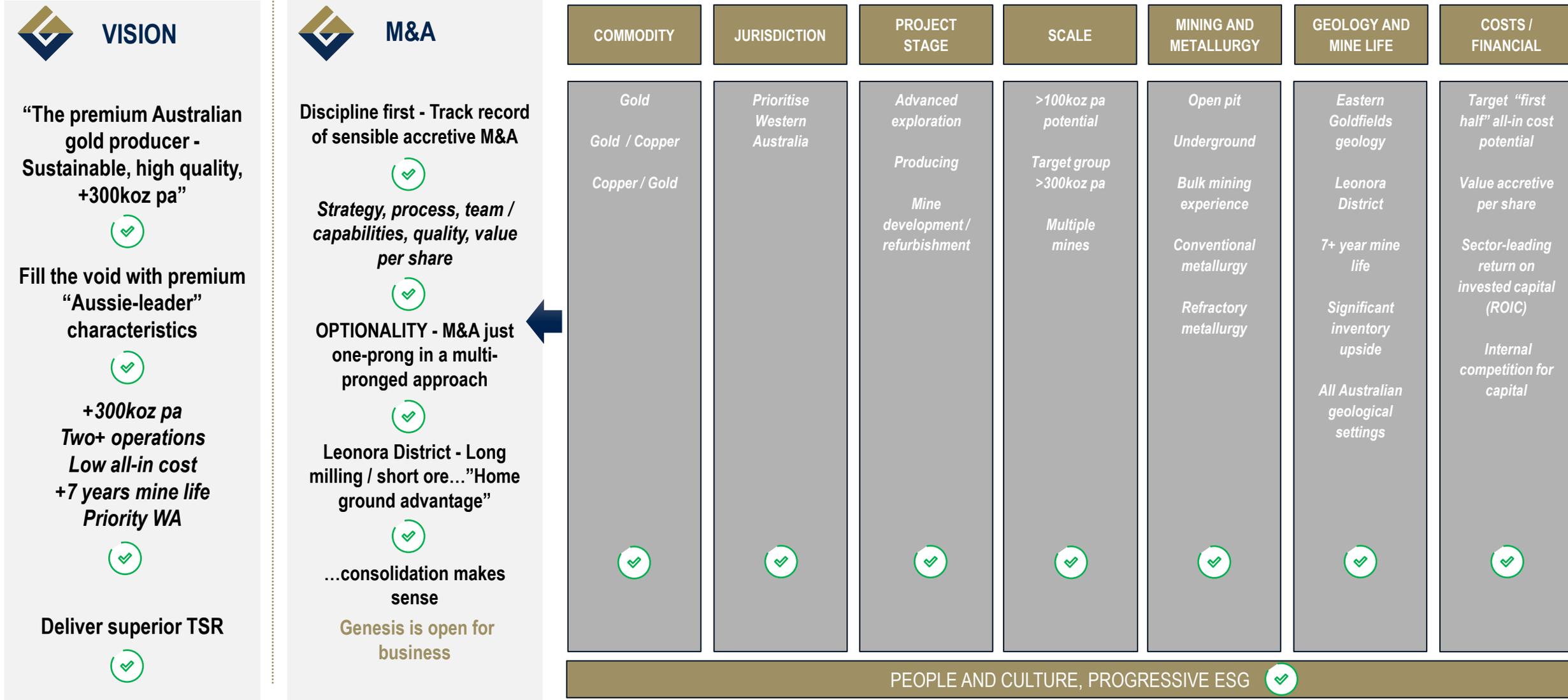
...THE LAUNCH - March 2024

- ▶ **Five-year outlook including:**
 - ▶ Production
 - ▶ Costs - AISC, growth capital
 - ▶ People and culture initiatives
 - ▶ Sustainability initiatives
 - ▶ Exploration
- ▶ **Market access:**
 - ▶ **Capital Markets Day, Sydney - 25th March 2024**
 - ▶ **Investor site visit, Leonora - 26th March 2024**
 - ▶ **Global investor road-show - May 2024**

Appendix A: April 2022 VISION¹



Assets and people NOW in place to deliver +300koz pa:



1. Refer to GMD ASX announcement 4th April 2022 “Open for Business - Corporate Presentation”.

Appendix B: Company reports relating to peer Resource grades



Open pit	Company	Source
Tropicana	Regis Resources (30%)	ASX 15th February 2024 "Bell Potter Uearthed Conference Presentation"
Rebecca	Ramelius Resources	ASX 14th February 2024 "RIU Explorers Conference presentation"
Diucon	De Grey Mining	ASX 15th February 2024 "Bell Potter Uearthed Conference - Investor Presentation"
Gruyere	Gold Road Resources	ASX 15th February 2024 "Investor Presentation - Bell Potter Uearthed"
Karridale	Focus Minerals	ASX 31st March 2023 "Annual Report to Shareholders"
Brolga	De Grey Mining	ASX 15th February 2024 "Bell Potter Uearthed Conference - Investor Presentation"
Eagle	De Grey Mining	ASX 15th February 2024 "Bell Potter Uearthed Conference - Investor Presentation"
KOTH	Red 5	ASX 31st January 2024 "East Coast Roadshow Presentation"
Falcon	De Grey Mining	ASX 15th February 2024 "Bell Potter Uearthed Conference - Investor Presentation"
Crow	De Grey Mining	ASX 15th February 2024 "Bell Potter Uearthed Conference - Investor Presentation"
Bibra	Capricorn Metals	ASX 27th July 2023 "Quarterly Exploration & Annual Resource / Reserve Update"



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