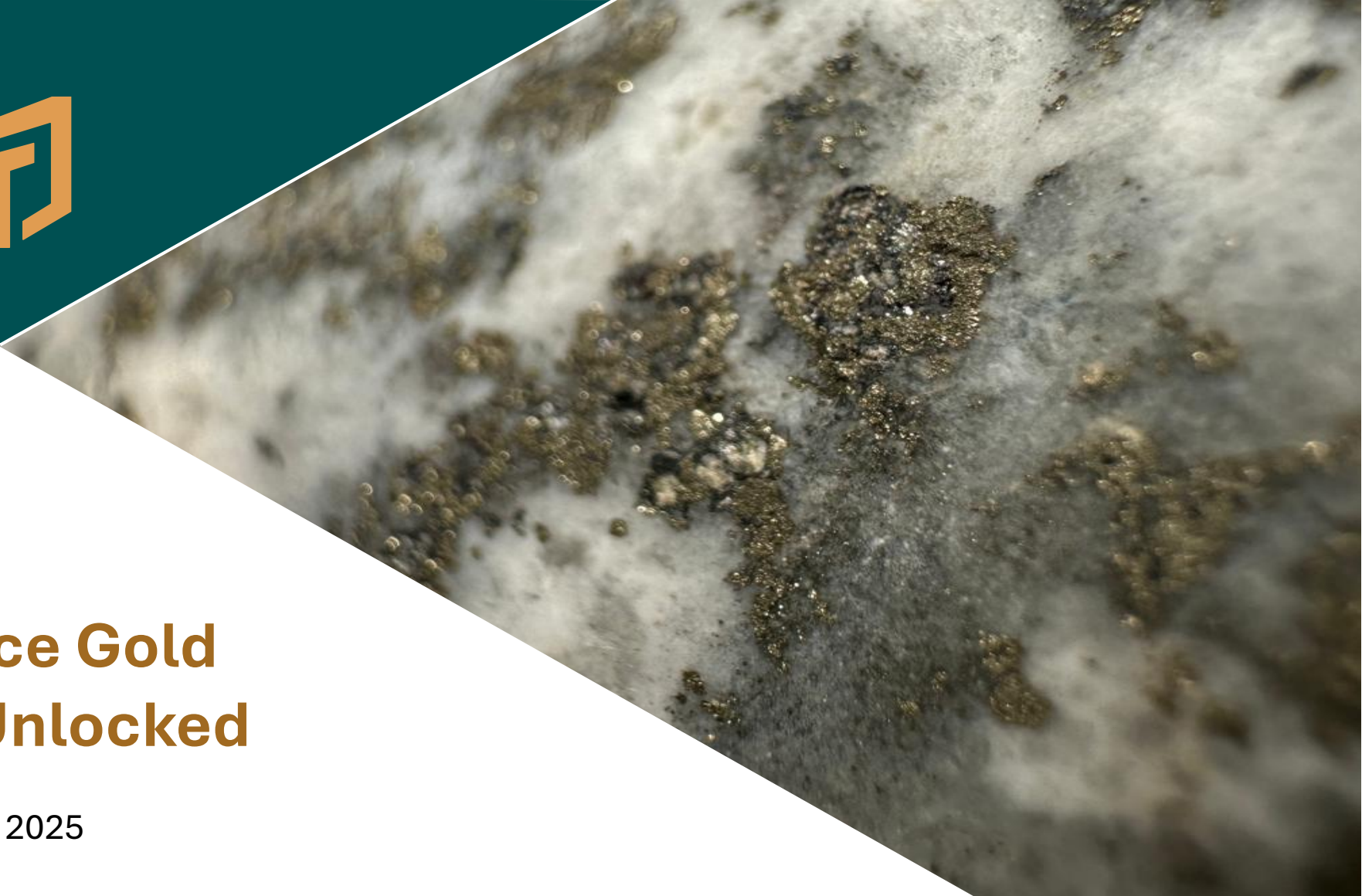




Multi-million Ounce Gold Project set to be Unlocked

Investor Presentation | December 2025

ASX: TTM



[TITANMINERALS.COM.AU](https://titanminerals.com.au)

Disclaimer and Forward-Looking Statements

COMPETENT PERSON'S STATEMENTS

The information in this report that relates to Exploration Results is based on and fairly represents information compiled by Ms Melanie Leighton, who is an experienced geologist and a Member of The Australian Institute of Geoscientists. Ms Leighton is a full-time employee at Titan Minerals and has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which she is undertaking to qualify as a Competent Person as defined in the JORC 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources, and Ore Reserves’. Ms Leighton consents to their inclusion in the report of the matters based on this information in the form and context in which it appears.

With respect to estimates of Mineral Resources, announced on 6 July 2023, (MRE Announcement) the Company confirms that it is not aware of any new information or data that materially effects the information in the MRE Announcement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

Dynasty Project	Indicated					Inferred					Total				
	Tonnes (M)	Grade (g/t)		Contained Metal (Moz)		Tonnes (M)	Grade (g/t)		Contained Metal (Moz)		Tonnes (M)	Grade (g/t)		Contained Metal (Moz)	
		Au	Ag	Au	Ag		Au	Ag	Au	Ag		Au	Ag	Au	Ag
Cerro Verde	15.17	2.01	13.51	0.98	6.59	13.63	2.15	12.44	0.94	5.45	28.80	2.08	13.00	1.92	12.04
Iguana	2.41	2.36	16.08	0.18	1.25	8.52	1.92	13.00	0.53	3.56	10.93	2.02	13.68	0.71	4.81
Trapichillo	0.05	1.89	9.28	0.00	0.01	2.89	3.83	39.80	0.36	3.70	2.94	3.80	39.31	0.36	3.71
Papayal	0.46	3.04	48.24	0.05	0.72	0.41	6.24	53.80	0.08	0.71	0.87	4.54	50.85	0.13	1.43
Total	18.09	2.09	14.73	1.21	8.57	25.44	2.33	16.40	1.90	13.41	43.54	2.23	15.70	3.12	21.98

Notes: 1. Reported ≥ 0.5 g/t Au. 2. Some rounding errors may be present. 3. Tables are rounded as the final steps. Totals are not calculated after rounding. 4. M – million. Oz – ounce. g/t – grams per tonne.

COPPER EQUIVALENT (CU EQ) VALUES – REQUIREMENTS UNDER THE JORC CODE

Assumed commodity prices for calculation of Copper Equivalent (Cu Eq) is Cu US\$4.50/lb, Au US\$3,000/oz, Mo: US\$15/lb and Ag US\$35/oz. Recoveries are assumed from similar deposits: Cu = 85%, Au = 65%, Ag = 65%, Mo = 80%. Cu Eq (%) was calculated using the following formula: ((Cu% x Cu price 1% per tonne x Cu recovery) + (Au(g/t) x Au price per g/t x Au recovery) + (Mo ppm x Mo price per g/t x Mo recovery) + Ag ppm x Ag price per g/t x Ag recovery)) / (Cu price 1% per tonne x Cu recovery). Cu Eq (%) = Cu (%) + 0.63195 x Au(g/t) + 0.00027 x Mo (ppm) + 0.00737 x Ag (ppm). TTM confirms that it is the Company’s opinion that all the elements included in the metal equivalents calculation have a reasonable potential to be recovered and sold.

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ACCEPTANCE

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AUTHORISATION

Released with the authority of the board of Titan Minerals Ltd.

Investment Highlights

Near-term gold developer with highly prospective copper projects in the underexplored Andean Copper Belt



Strategic Partner Adds Financial and Technical Capability

- Lingbao Gold a 9.9% strategic shareholder. US\$10M investment at a 33% premium to 30-day VWAP (A\$0.59)
- Lingbao Gold are a HK listed Chinese mining entity with 5 gold mines and refining and smelting facilities
- 90-day exclusivity period to negotiate a potential project level transaction for Dynasty
- Fully funded to complete all drilling and derisking workstreams required to complete a PFS for Dynasty



100% Owned Dynasty Gold Project

- **3.1Moz Gold @ 2.2g/t Au & 22Moz Silver @ 15.7 g/t Ag resource from surface** and strong growth potential
- High metallurgical recoveries demonstrated via conventional processes



Board & Management with Proven Capability

- Experienced Board & Management with a proven capability to deliver on discovery and development



Big Copper Potential Across Multiple Projects

- **Hancock spending up to US\$120M** for 80% of Linderos Copper Project, where a 25,000m diamond drill campaign is underway
- 100% owned Copper Duke and Copper Field Projects represent significant greenfield discovery potential



Active Programs & Strong Newsflow

- Resource drilling underway at Dynasty, four rigs delivering strong and consistent newsflow
- MRE Update targeted Q1 2026

Highly prospective projects in Andean copper belt

Exposure to meaningful scale copper and gold

Key Infrastructure & Permits

- ✓ Low Elevation, exploration all year-round
- ✓ Infrastructure rich and workforce ready
- ✓ Permits in place for drilling and clear pathway to achieve large-scale mining permits.

Government Support & Growing Mining Industry

- **Fruta del Norte** (Lundin Gold) and **Mirador Copper** (Ecuacorriente) mines started commercial production in 2019.
- Ecuador's **mining** is now its fourth largest export, accelerating from **US\$275M in 2018 to US\$3.3B in 2023**.
- President Noboa re-elected for a second term, seen as a positive for the mining industry
- Several advanced development projects:
 - El Domo - under construction, production- late 26
 - Warintza - PFS due late 25, mining permits mid-26
 - Cascabel mining permits granted June 24
 - Cangrejos- 1.38Bt @ 0.46 g/t Au Resource. PFS complete. Production targeted 2028.



Dynasty Gold (100%)

Size:	139km ²
Geology:	High grade epithermal gold and porphyry copper
Resource:	3.1Moz gold and 22Moz silver

Linderos Copper (70% TTM/ 30% Hancock)

Size:	143km ²
Geology:	Porphyry copper and high grade epithermal gold

Copper Duke (100%)

Size:	131km ²
Geology:	Porphyry copper, breccia copper and high grade epithermal gold

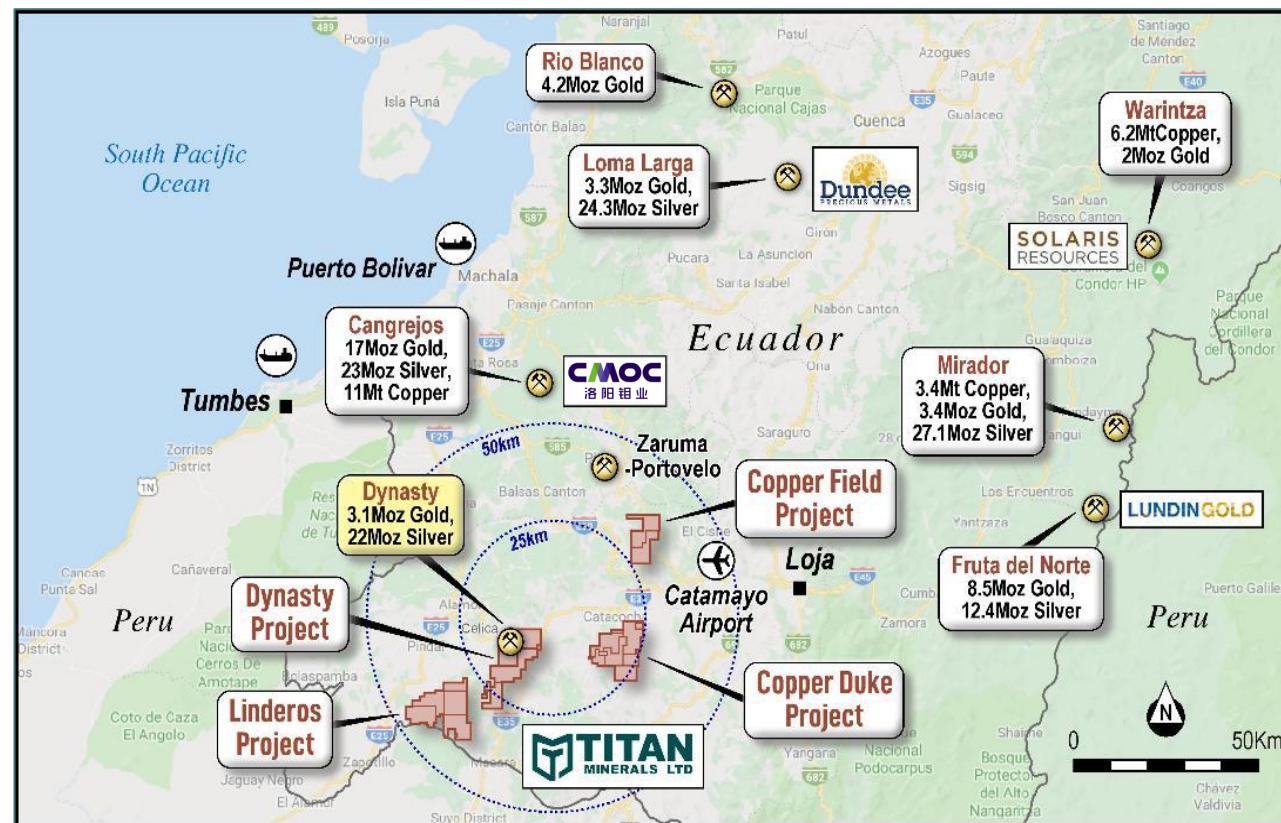
Copper Field (100%)

Size:	65km ²
Geology:	Porphyry copper and high grade epithermal gold

Ecuador: An Emerging Tier 1 Mining Jurisdiction

Chinese investment has surged, driven by strategic interests in securing copper, gold, and critical minerals

- 2012: **CRCC-Tongguan Investment Co. Ltd.** own the Mirador Copper Mine (3.2 Mt Cu, 3.4 Moz Au, 27 Moz Ag in Reserves). **US\$1.4B invested**, first production exported to China in Jan 2020.
- March 2025: **Jiangxi Copper Corporation** increased their stake in SolGold (Cascabel Project 4.3Mt CuEq, **US\$5.4B pre-tax NPV**) at a 45% premium. Jiangxi moved from 7% to 12%, now the largest shareholder.
- May 2025: **Solaris Resources Inc.** secured a US\$200 million financing package from Royal Gold to advance its Warintza copper-gold-moly project, with M&I Resources of 909Mt @ 0.35% CuEq.
- May 2025: **CMOC** acquired TSX listed Lumina Gold for US\$420M (Cangrejos Project- Reserves of 659 Mt @ 0.55 g/t Au, 0.10% Cu, 0.69 g/t Ag) paying a 71% premium to 20-day VWAP. **CMOC new to Ecuador.**
- July 2025: **Silvercorp Metals Inc.** acquired Adventus Mining Corp. (fully permitted Curipamba-El Domo Cu-Au Project) paying a 31% premium to 20-day VWAP.
- Oct 25: **Lingbao Gold** take a 9.9% stake in TTM at a 33% premium to 30-day VWAP. 90-day exclusivity agreement for Lingbao to conduct further DD ahead of potential project level transaction.



LUNDINGOLD



Newmont

HANCOCK PROSPECTING



SOLARIS
RESOURCES

BARRICK



洛阳钼业

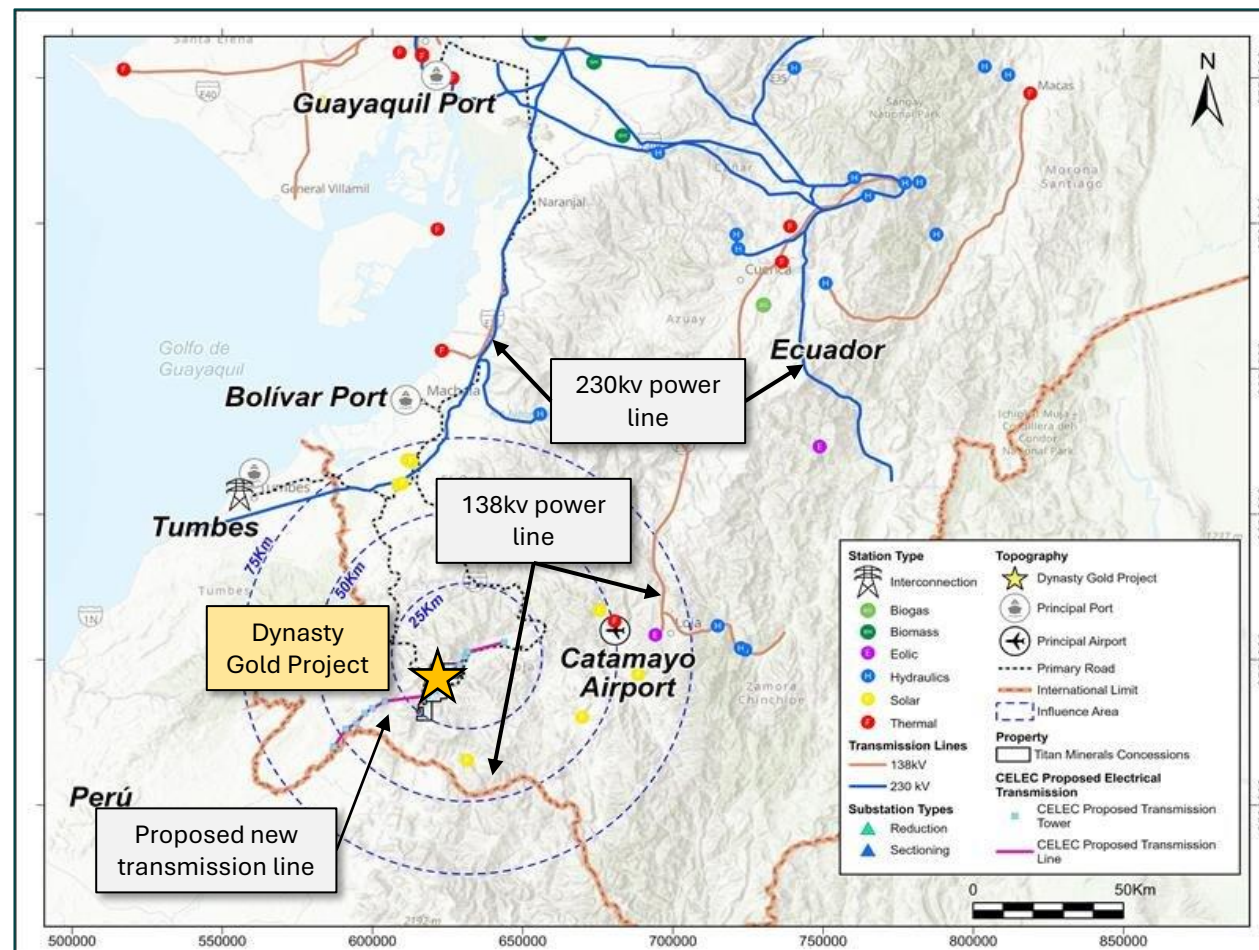
江西铜业集团有限公司



ASX:TTM

Ecuador: Rich in Infrastructure and Natural Resources

Ports, highways, hydropower, two large-scale commercial mines in operation



The Ministry of Energy has launched an investment plan (2025-2030) for future electrification including:

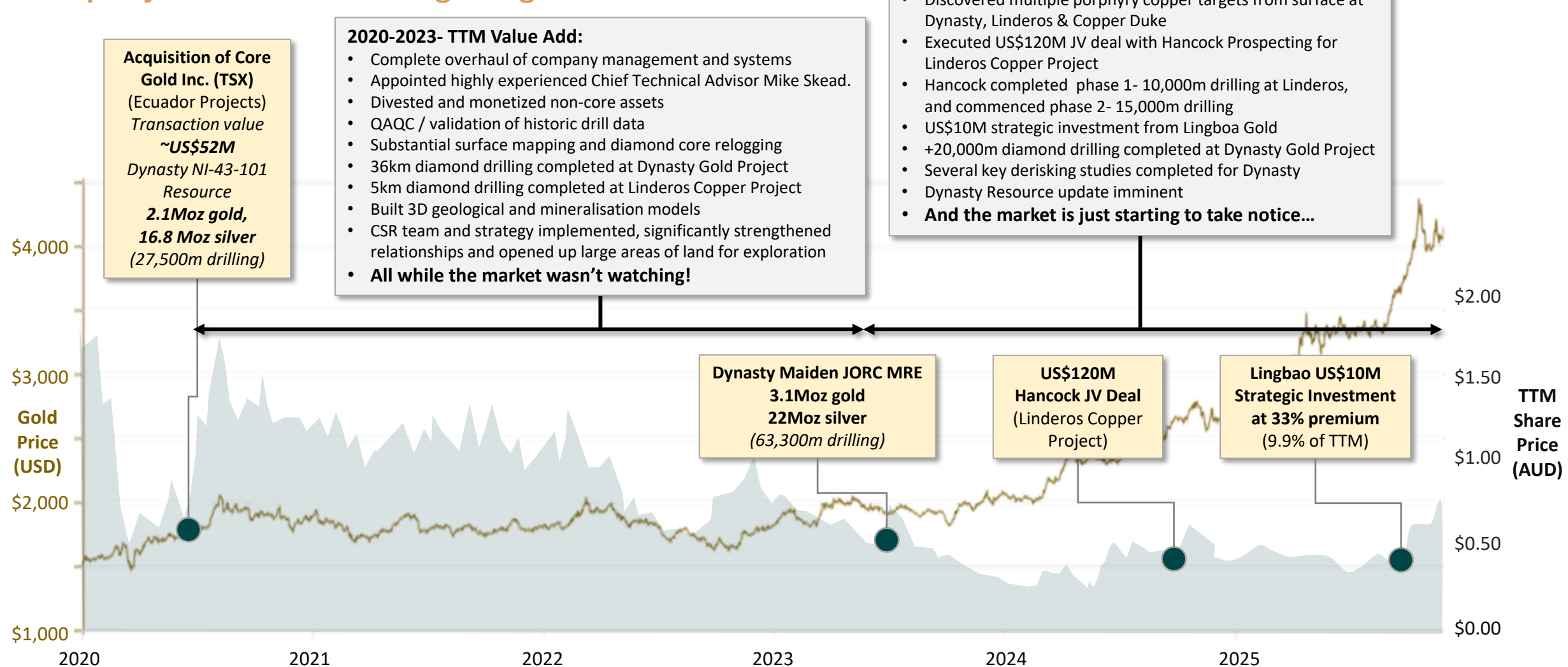
- 2 hydroelectric projects
- 1 wind farm
- 8 solar (photovoltaic) plants
- 1 geothermal project
- 11 transmission projects



Coca Codo Sinclair hydroelectric project, has been operating since 2016

Significant Value Added, But Not Yet Realised

Third party endorsement driving recognition rerate



Corporate Snapshot

Strong balance sheet provides clear pathway to growth and development

Capital Structure

Share Price ¹	A\$0.68
Total Shares & CDIs on Issue	286M
Market Capitalisation	A\$188M
Options on Issue ²	26M
Net Cash (30 Sep 25)	A\$8.2M
Lingbao strategic investment (Oct 2025)	+A\$15.0M
Enterprise Value	A\$165M

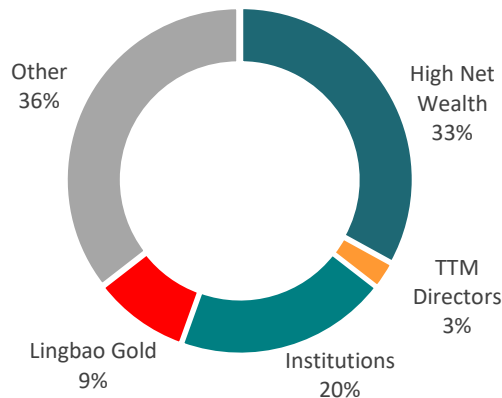
Share price (6 months)



Board

Peter Cook	Non-Executive Chairman
Matthew Carr	Executive Director
Barry Bourne	Non-Executive Director

Top Shareholders



Research

EUROZ HARTLEYS



SCP EQUITY RESEARCH

Board & Management Team

Right team assembled to add substantial value through discovery and development



PETER COOK
NON-EXECUTIVE CHAIRMAN
Geologist & Mineral Economist

- +35 years' in exploration, mining and corporate management.
- Founded & served as Managing Director/ Chairman for many successful resource companies.



MATTHEW CARR
EXECUTIVE DIRECTOR
Entrepreneur & Project Developer

- Experienced company director, founder of Urban Capital Group, a PE firm with a focus on property backed investment and security.



BARRY BOURNE
NON-EXEC DIRECTOR
Geologist and Geophysicist

- Founder and Principal Consultant at Terra Resources, specialising in exploration targeting.
- Held senior and management roles with Barrick Gold and Homestake Gold.



MELANIE LEIGHTON
CHIEF EXECUTIVE OFFICER
Geologist & Business Master

- +20 years' experience in exploration, development and mining in precious & base metals.
- Considerable experience in LATAM and porphyry copper.
- Held management and senior roles with Hot Chili Ltd and Harmony Gold.



STEPHANY LOPEZ
GROUP TECHNICAL MANAGER

- +10 years' experience in the resources sector. A geologist with a strong background in GIS, geological data management exploration.
- Stephy has significant experience in data validation organisation, mapping, and QAQC processes for exploration projects and development studies.



MICHAEL SKEAD
CHIEF TECHNICAL ADVISOR

- + 30 years' experience in exploration, development and mining.
- Former Director of Geoscience in Newmont's Global Projects Team and Former Director of Global Exploration for Goldcorp.
- Significant experience in emerging mining jurisdictions. Spent 1 year in Ecuador building out the team and systems.



DYNASTY GOLD PROJECT (100%)

Dynasty Gold Project: 3.1Moz gold & 22Moz silver and growing

A meaningful standalone development

100% Owned 3.1Moz Au Dynasty Gold Project

- Large **high-grade epithermal gold** and **copper-gold porphyry** system hosting **3.1Moz gold** and **22Moz silver** presents a meaningful standalone development opportunity with significant scope to grow
- Potential for large scale, long life open pit and underground operation

Meaningful Resource Established from Surface

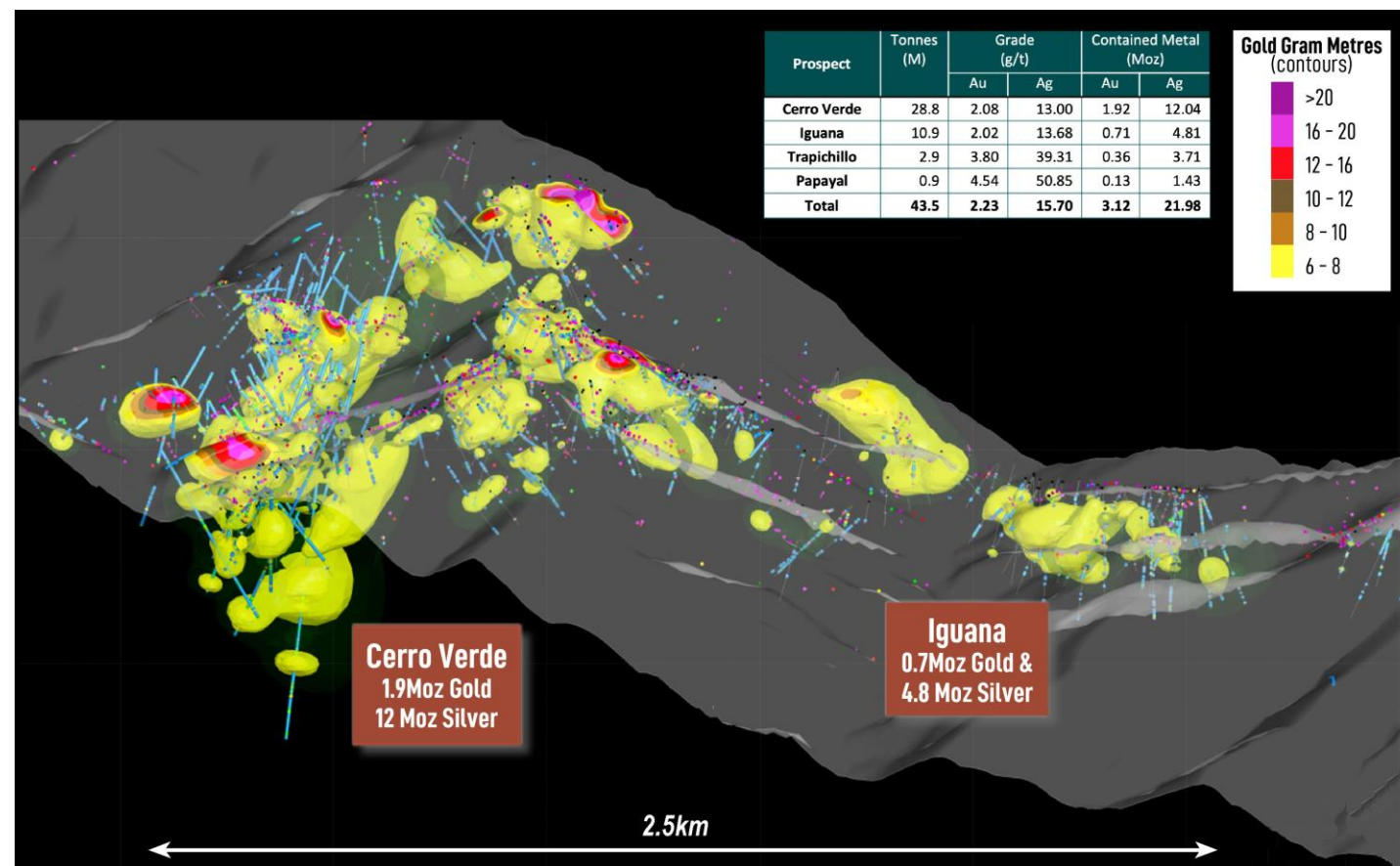
- 43Mt @ 2.23g/t Au, 15.7g/t Ag for 3.1Moz Au & 22Moz Ag
- High grade Resource of 17.3Mt @ 3.77 g/t Au, 24.0 g/t Ag for 2.1Moz Au & 13.7Moz Ag

Significant Resource Growth Potential

- +50% of resource in top 100m**, +80% of resource in top 200m
- Lateral and depth extensions being drill tested in 2025
- Resource conversion drilling underway in initial open pit

Multiple Untested Gold and Copper Targets

- Considerable exploration upside** that remains to be tested targeting the 9km epithermal gold vein corridor and copper-gold porphyry mineralisation
- Four key prospects defined to date and **multiple geochemical anomalies yet to be drill tested**
- All permits in place** and full flexibility to undertake drilling across the entire 9km mineralised corridor



Dynasty: Cerro Verde and Iguana

Robust resources set for conversion and growth

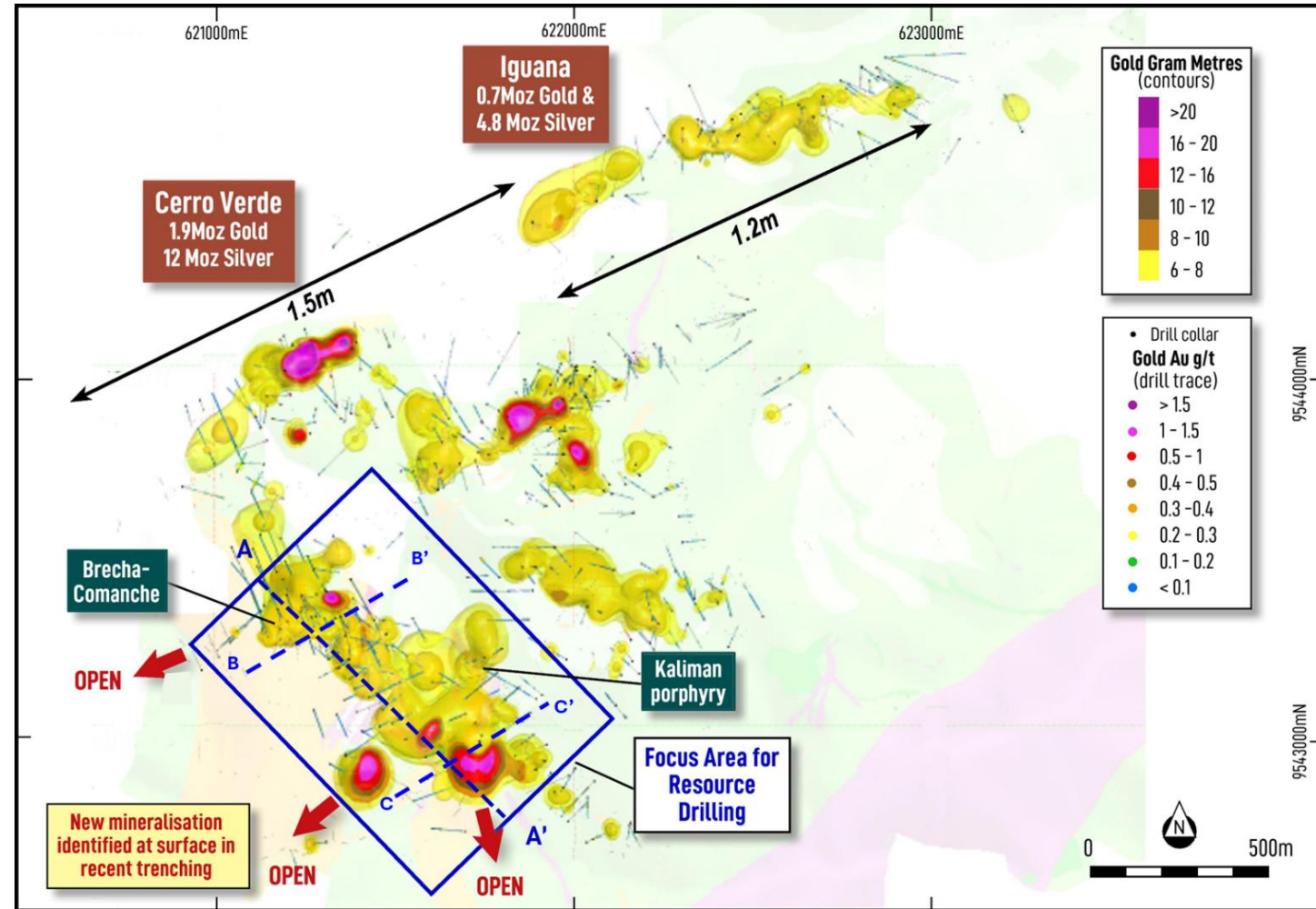
Cerro Verde prospect:

- Hosts **1.9Moz @ 2.08 g/t Au, 13.0 g/t Ag**
- 51% Indicated Resources
- Preliminary pit optimisation indicates 1.6km diameter pit down to ~350m depth
- Wider, higher grade, more continuous mineralisation- the focus for resource drilling-growth and conversion
- Resources extend from surface down to ~350m

Iguana prospect:

- Hosts **0.7Moz gold @ 2.02 g/t Au, 13.7 g/t Ag** which remains open at depth
- Large conceptual open pit ~1.2km long and ~160m depth
- Resources extend from surface down to ~200m

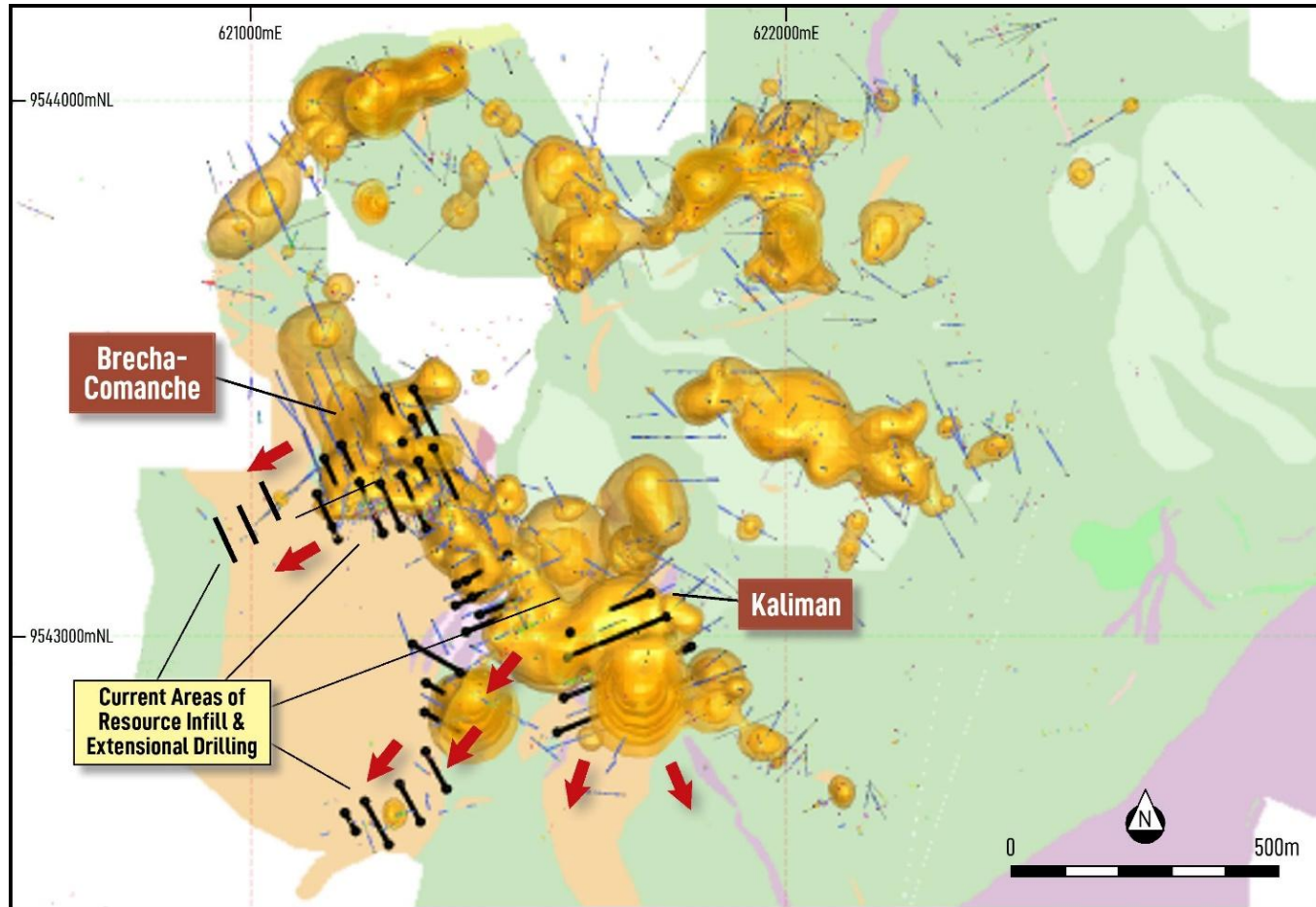
Dynasty fully permitted for small-scale mining (+1Mtpa)



Plan view displaying drilling, gold gram metre isosurfaces, main prospects and targets and section planes

Dynasty: Resource Growth & Resource Upgrade at Cerro Verde

Resource drilling unveiling new areas of mineralisation

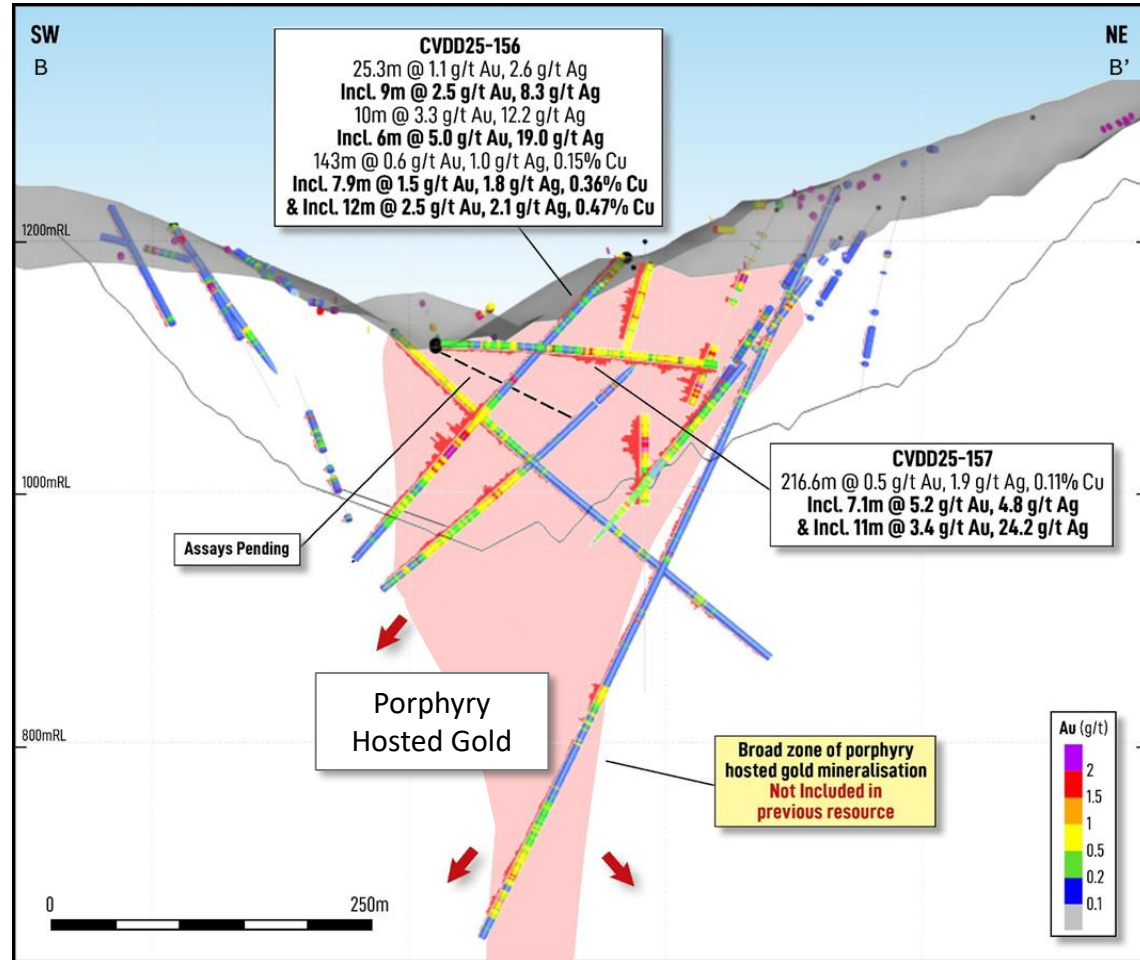


Cerro Verde Plan view showing gold gram metre contours and current resource drill program

- **Drilling completed since July 2023 MRE:**
 - 10,000m resource extensional drill program complete
 - 6,000m phase 1 infill program complete
 - 8,500m phase 2 infill & extensional program underway
- Latest drilling has confirmed substantial resource growth, defining new, high-grade mineralisation extensions in untested areas outside the resource
- Extensive zones of porphyry hosted mineralisation recently unveiled are set to be incorporated into upcoming resource update
- Including bulk mineralisation into the resource represents an opportunity to improve strip ratios, enhance the scale and overall economics for the Dynasty Gold Project.
- **Dynasty MRE Update targeted Q1 2026**

Dynasty: Porphyry Hosted Gold System Growing

Shallow porphyry hosted gold unveiled in recent drilling at Cerro Verde



Schematic cross section showing interpreted porphyry-hosted gold mineralisation

Latest Porphyry Drill Intersections

- **143m @ 0.6 g/t Au, 1.0 g/t Ag, 0.15% Cu from 147m**, including high-grade intercepts of 7.9m @ 1.9 g/t Au, 1.8 g/t Ag, 0.36% Cu from 186.1m & 12m @ 2.5 g/t Au, 2.1 g/t Ag, 0.47% Cu from 201m.
- **216.6m @ 0.5 g/t Au, 1.9 g/t Ag, 0.11% Cu from 4m**, including high-grade intercepts of 1m @ 5.2 g/t Au, 4.8 g/t Ag from 62m & 11m @ 3.4 g/t Au, 24.2 g/t Ag, 0.16% Cu from 113.9m.
- **153m @ 0.5 g/t Au, 1.9 g/t Ag from 107m**, including a high-grade intercept of 14.6m @ 2.7 g/t Au, 11.2 g/t Ag from 114.4m
- **46.1m @ 0.5 g/t Au, 5.3 g/t Ag, 0.12% Cu from 51m**, including a high-grade intercept of 8.8m @ 1.8 g/t Au, 22.2 g/t Ag, 0.09% Cu from 57.9m.

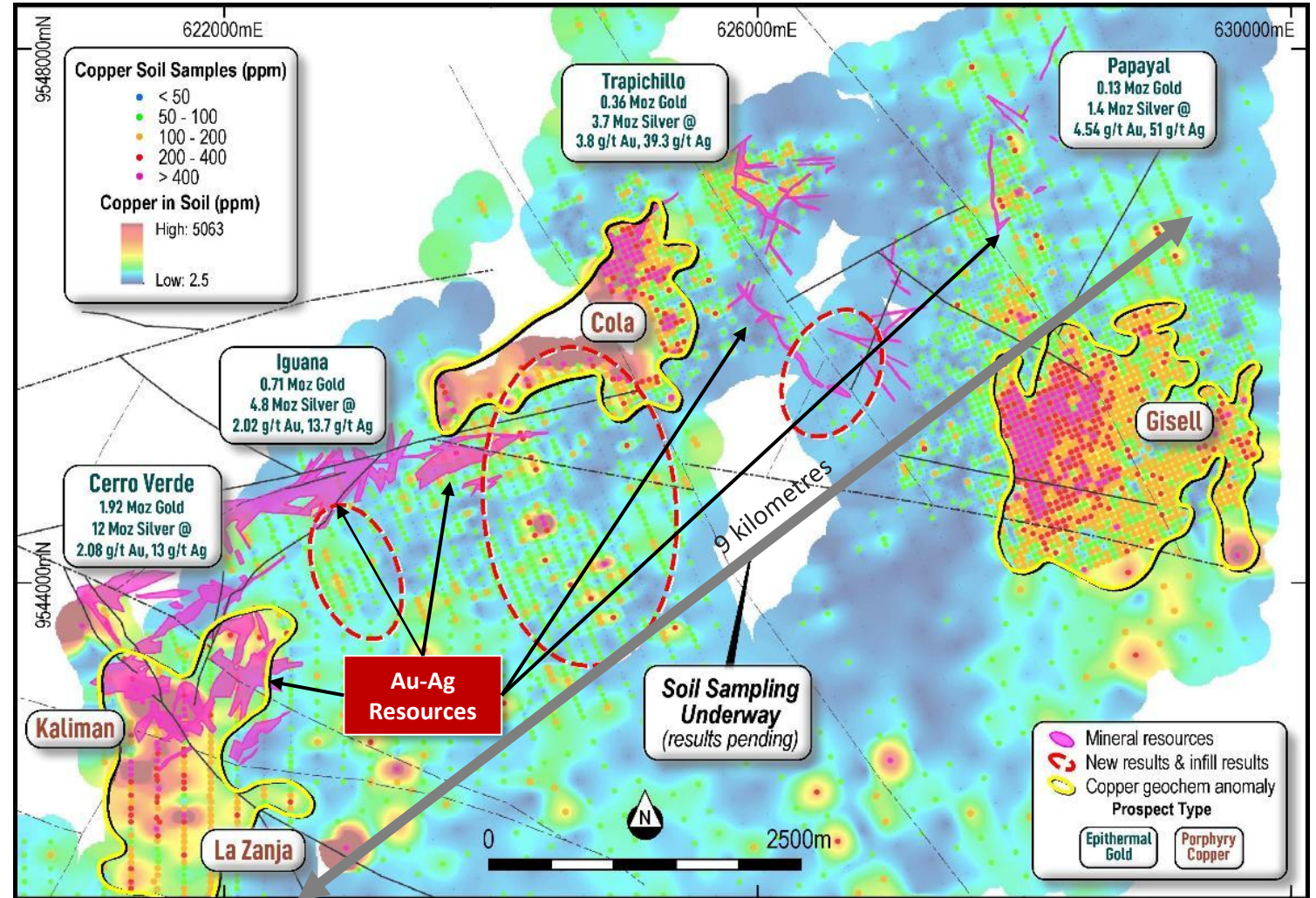
Historic Drill Intersection

- **102.7m @ 1.5 g/t Au, 4.5 g/t Ag from 46.5m**, including a high-grade intercept of 14.1m @ 6.4 g/t Au, 16.4 g/t Ag from 87.1m.

Dynasty: The Copper Upside

New copper porphyry targets unveiled

- Large-scale soil anomalies have revealed **several porphyry copper targets** yet to be drill tested- Kaliman, Cola, Gisell, La Zanja
- Porphyry style veining with copper oxide mineralisation confirmed by surface mapping
- Cola exhibits secondary chalcocite enrichment with abundant disseminated pyrite
- Trenching and mapping is continuing across new target areas
- Mobile Magneto-telluric geophysical survey completed to map porphyry systems and feeder structures, results being reviewed



Dynasty: Key Derisking Workstreams Underway

Many study workstreams complete, several more ongoing

■ Mineral Resource Estimate Update

- ✓ Entech review and feedback on Dynasty geological and mineralisation models, with real-time updates made as results are received.
- ✓ Interim resource workstreams underway, with investigation into estimation techniques set to capture high grade vein, alteration halo and stockwork style mineralisation for optimal grade estimation to support mine studies.
- ✓ Infill drilling to upgrade categorisation at Cerro Verde, with aim of maximising Indicated resources to support a future Ore Reserve.

■ Infrastructure Study

- ✓ Preliminary Tailings Storage Facility (TSF) and waste dump option study completed by Knight Peisold, several viable options for infrastructure locations within Titan's landholding.

■ Preliminary Metallurgical Testwork

- ✓ Metallurgical testwork completed on composite samples with gold recoveries achieved of 85-88% for oxide ore and 91% for sulphide ore, via conventional processes with scope to optimise the flowsheet and improve recoveries in future testwork.

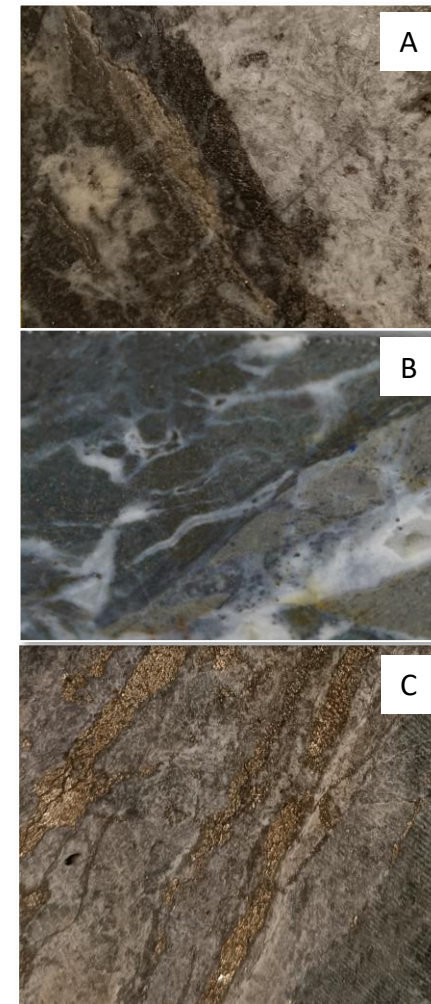
■ Environmental Baseline Studies

- ✓ Routine monitoring of soil, water, stream sediment, noise and air quality conducted across Dynasty on a biannual basis for environmental compliance.
- ✓ Ongoing environmental baseline studies will provide key information for preparation of a large-scale mining application for Dynasty.

■ Mine Studies

- ✓ Preliminary conceptual pit optimisation based upon the 2023 resource used US\$1,850/oz. Pit optimisation and mine studies are set to be completed with the updated resource (Q1 2026) and new pricing for gold +/- silver.

Dynasty Ore Specimens



Social, Environmental and Corporate Governance at the Fore

Commitment to transparency, education, employment and inclusion



1

ENVIRONMENTAL RESPECT

Responsible exploration ensuring minimal disturbance to native vegetation and natural landscape

2

COMMUNITY BENEFIT

Working to benefit local communities, skills training, local partnerships and community initiatives

3

BIG IDEAS

Exploring blue-sky opportunities in fertile systems for game changing discoveries and sustainable projects

4

RESPONSIBLE STEWARDSHIP

Commitment to integrity, safety, best practice and responsible planning and management of resources

Strong relationships being forged, communities are seeing the benefits of Titan's presence, with the opportunity for training, employment and community development initiatives.

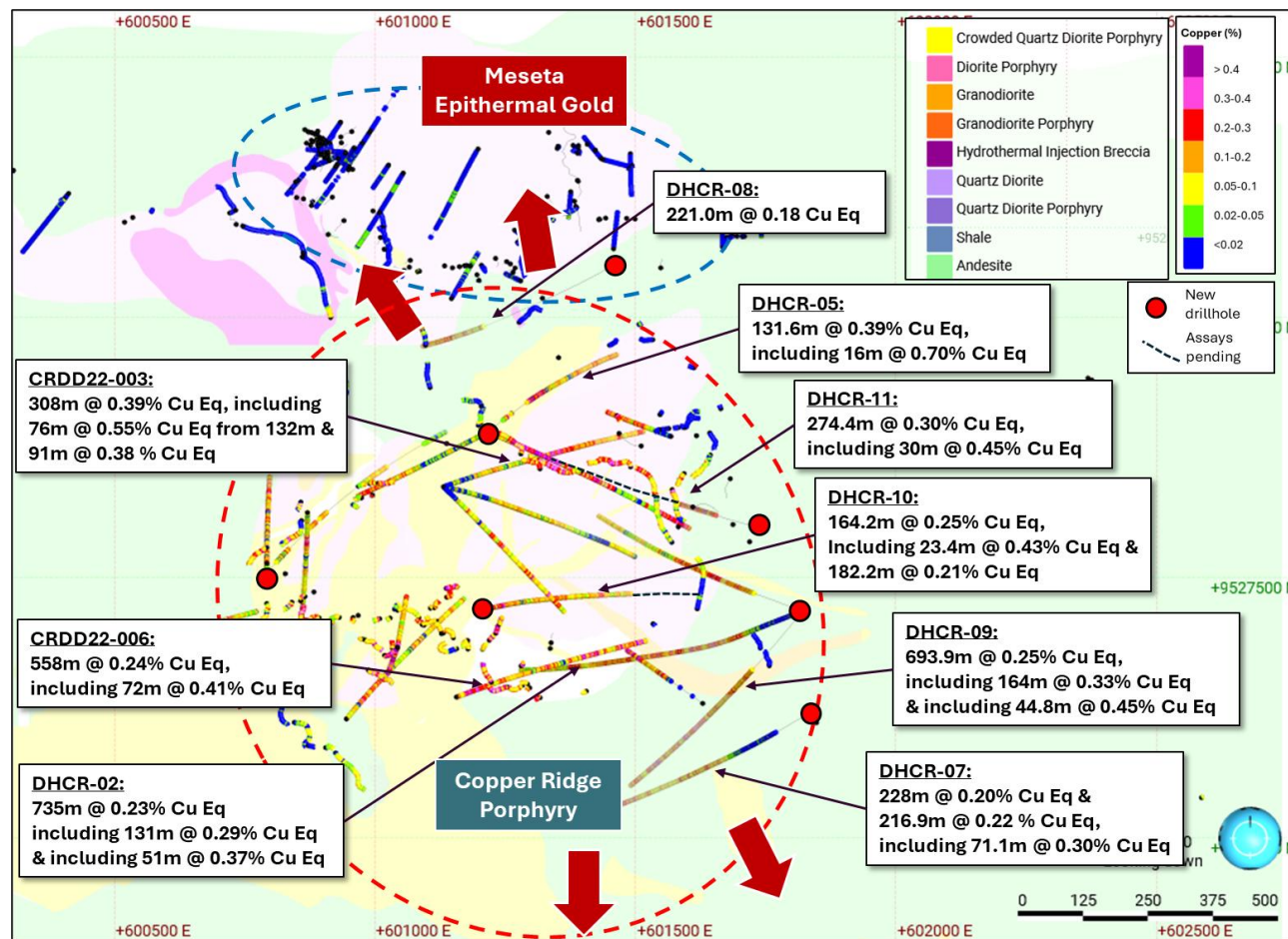


COPPER PROJECTS

Linderos Copper Project (70% TTM/ 30% Hancock)

Hancock Prospecting to spend up to US\$120M to earn 80%

HANCOCK PROSPECTING



Mineralisation remains open at depth and laterally

Commitment ¹		% Earned	% Earned (cumulative)	Earn-in Period (years)	Status
Activities	Expenditure USD				
-	\$2M	5%	5%	0	COMPLETE
10,000m drilling	\$8M	25%	30%	3	COMPLETE
15,000m drilling	\$12M	21%	51%	7	UNDERWAY
Decision to Mine	\$120M	29%	80%	15	PENDING

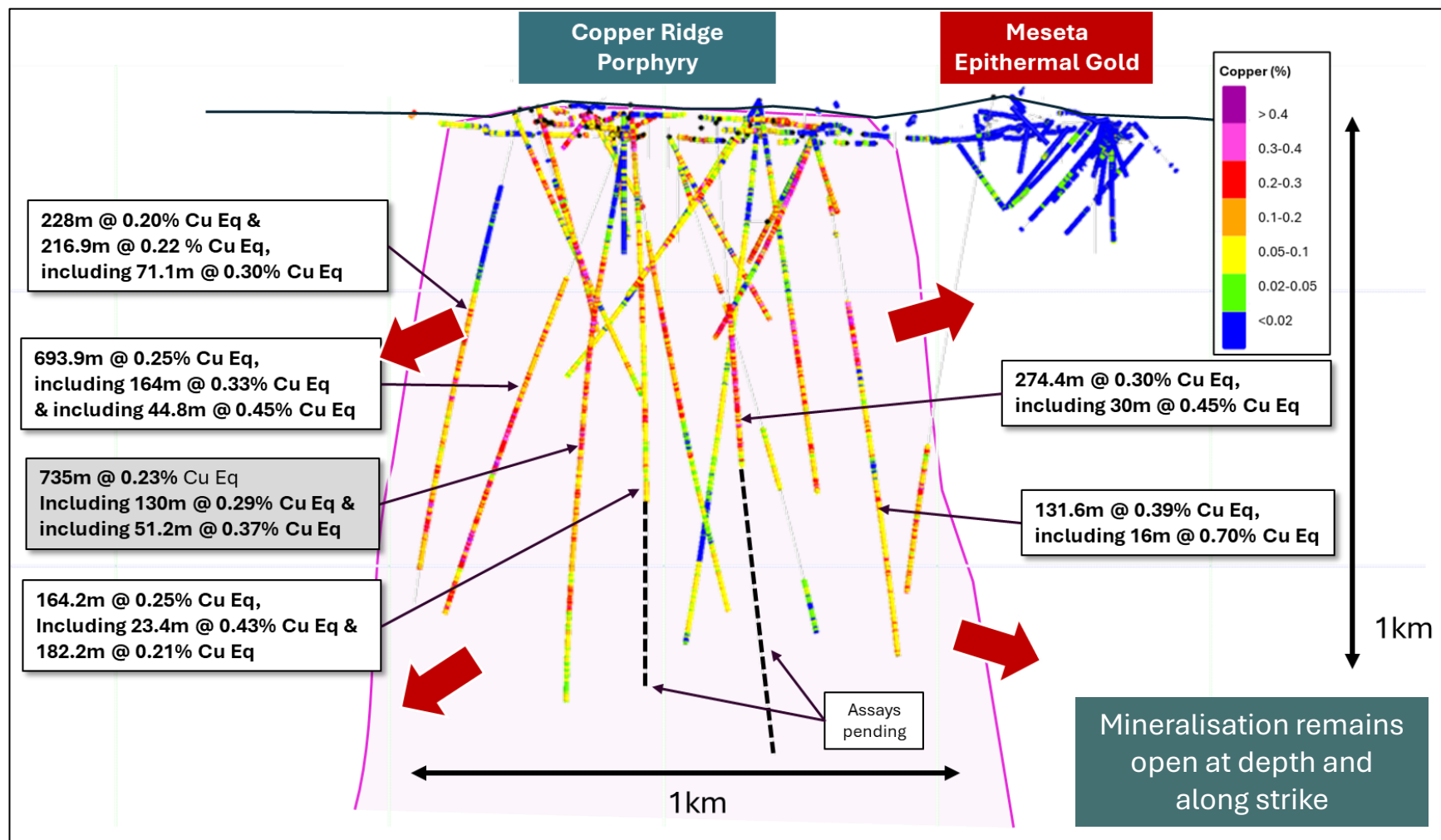
- Hancock secured as a strategic partner- Hancock subsidiary (Hanrine) to spend up to US\$120m or at Decision to Mine to earn up to an 80% interest in Linderos
- Titan free-carried until 80% earn-in achieved. If Titan elects not to contribute after 80% earn-in and if diluted < 10%, Titan project ownership will revert to a **2.7% NSR**
- Hanrine to manage and fund all activities
- 15,000m drilling campaign underway** - latest significant results include:
 - 693.9m @ 0.25% Cu Eq** from 325m, including **164m @ 0.33% Cu Eq** from 594m, & including **44.8m @ 0.45% Cu Eq** from 846m

Note 1: Each earn-in milestone is earned when the first of either project activities or minimum expenditure is achieved.

Linderos Copper Project

Hancock Prospecting to spend up to US\$120M to earn 80%

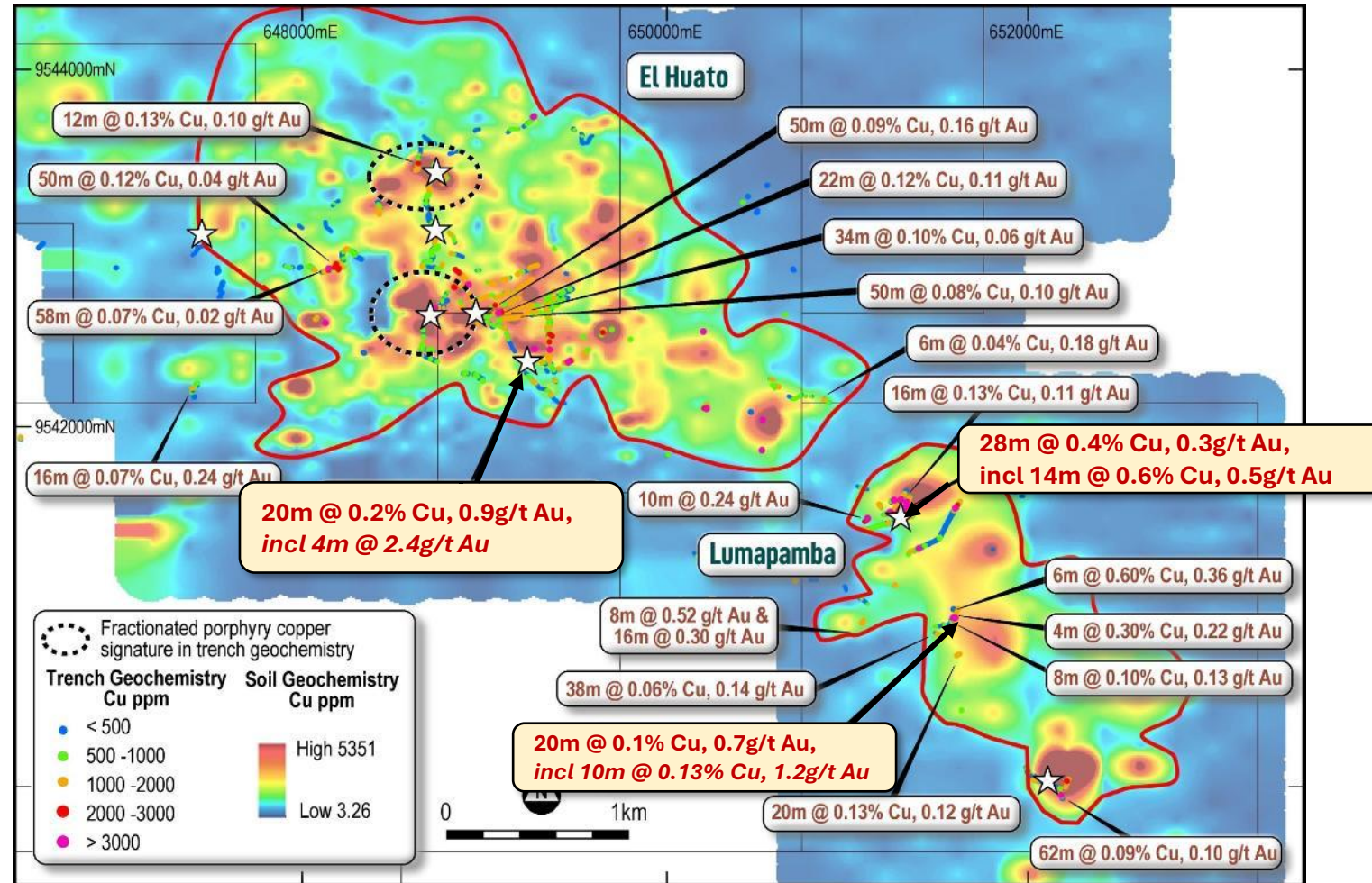
HANCOCK PROSPECTING



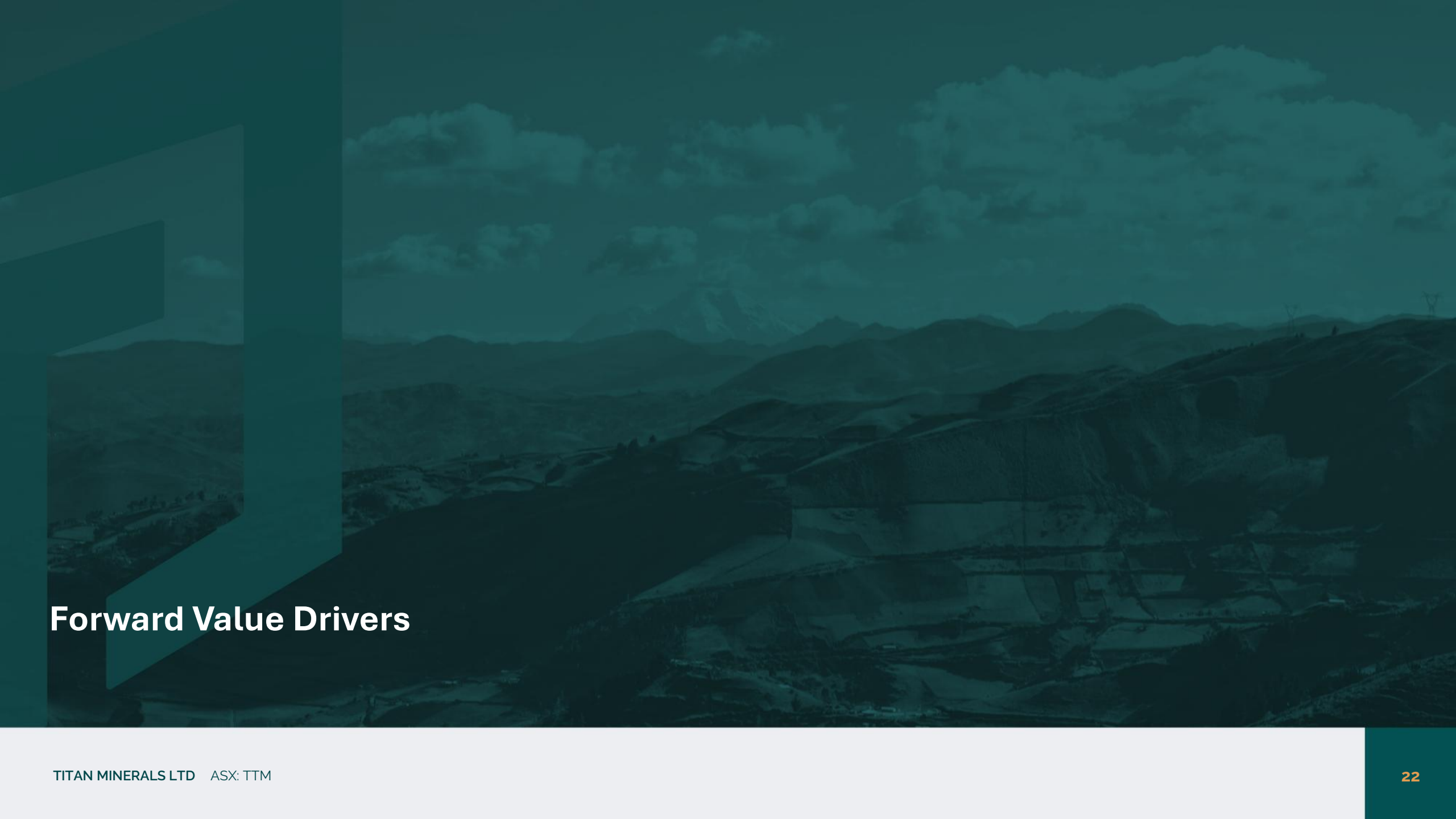
- Latest drill results confirm Linderos hosts **substantial porphyry copper mineralisation**
- Drilling to date has defined mineralisation over **1km of strike and down to 1km depth**, and **remains open in all directions**
- **Further drilling underway** to test northwest and southeast lateral extents, with **results expected early Q4**
- **JV Earn-in Drill Milestone 1 complete & Drill Milestone 2 due for completion in Q2 2025**

Copper Duke Project (100%)

Potential tier 1 porphyry copper discovery set to be unveiled



- 7km porphyry alteration footprint highlighted by multiple datasets
- Same magma type as global Tier 1 porphyry systems and mineralisation the same age as mega-porphyry copper deposits of Peru
- Multiple outcropping targets – porphyry copper, breccia copper, skarn, intrusion related gold, and epithermal gold
- Best technical experts guiding exploration strategy
- High priority targets defined with further trenching underway and drilling to commence in Q4



Forward Value Drivers

Our Strategy

Build a +5Moz standalone gold mine & deliver non-dilutive porphyry copper discoveries

GOLD

Growth and Value Add

- 1 **Focus on initial open pit 10-15 year mine life** and complete drilling and studies to achieve FID for Dynasty.
- 2 Grow Dynasty resource by adding **high value ounces** in best part of the system. Several **high grade down-plunge and bulk porphyry mineralisation opportunities identified and currently being drilled**
- 3 Test the true scale of the Dynasty gold system by thinking big and testing conceptual targets! **A 9km gold system has to come from a big heat source!**
- 4 **Contemplate a potential project level transaction for Dynasty to capture value added since acquiring the asset in 2020**

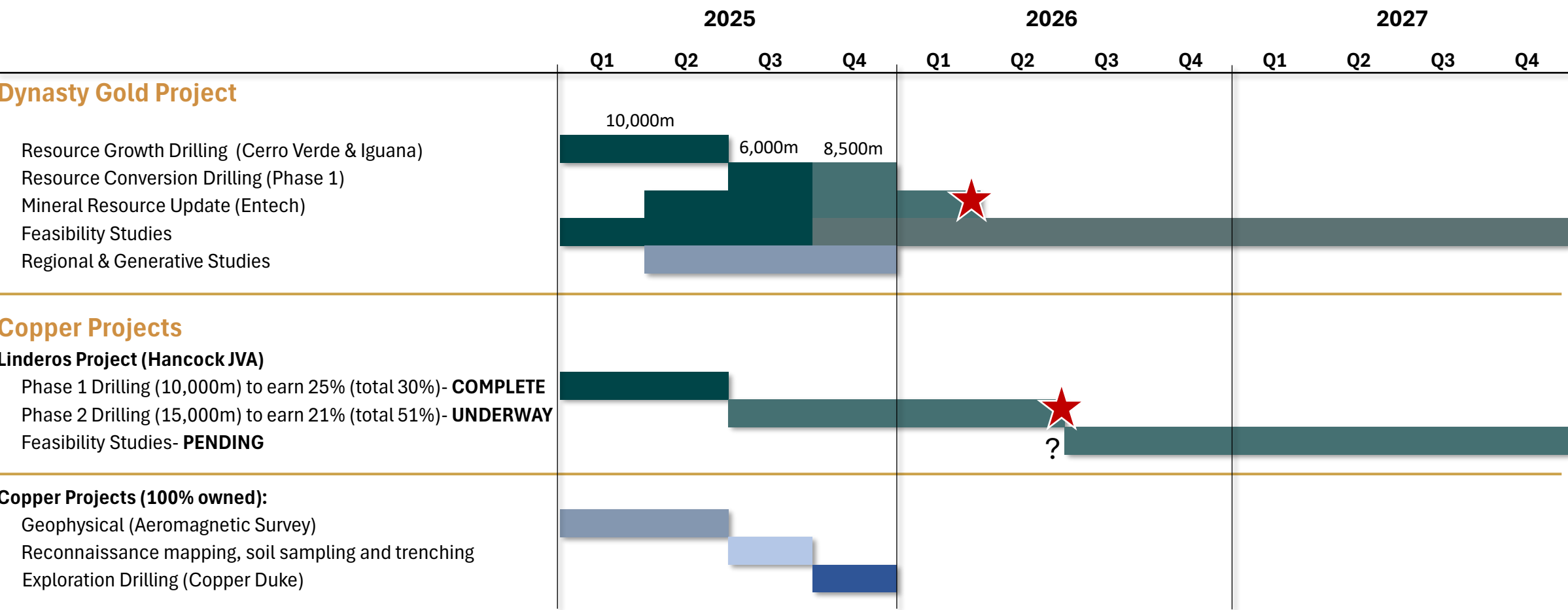
COPPER

Discovery through JV Partnerships

- 1 **Secure JV partners** to fund porphyry copper discoveries across our portfolio of highly prospective projects in the Andean copper belt
- 2 **Transform the scale of Dynasty** by drill-testing porphyry copper-gold targets

Planned Activities & Milestones

A transformational period of resource growth, de-risking and discovery



The Value Proposition

Poised for growth with a strategic partner, strong funding, drilling underway and gold at all time highs!



**First Mover
Advantage in
Underexplored
Andean Copper Belt**



**100% Owned
3.1Moz Au
Dynasty Gold
Project**



**Large Scale
Copper Potential
across Multiple
Projects**



**Board &
Management
with a Proven
Capability**



**Active
Programs &
Strong
Newsflow**



 @titanminerals
 info@titanminerals.com.au
 +61 8 6555 2950

ASX: TTM



TITANMINERALS.COM.AU

