

ACB News Presentation

8 February 2023

ASX Markets Announcement Office
Exchange Centre
20 Bridge Street
Sydney NSW 2000

BY ELECTRONIC LODGEMENT

ACB (Australian Chinese Business) News Presentation

Please find attached for release to the market, Xanadu Mines Ltd's Presentation to the *ACB News Lunch* with investors, being held in Sydney this week.

-ENDS-

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About Xanadu Mines Ltd:

Xanadu is an ASX and TSX listed Exploration company operating in Mongolia. We give investors exposure to globally significant, large-scale copper-gold discoveries and low-cost inventory growth. Xanadu maintains a portfolio of exploration projects and remains one of the few junior explorers on the ASX or TSX who control a globally significant copper-gold deposit in our flagship Kharmagtai project. For information on Xanadu visit: www.xanadumines.com.

This Announcement was authorised for release by Xanadu's Executive Chairman and Managing Director.

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XANADU MINES

Discovering and Defining World Class Mineral Deposits in Mongolia

ACB (Australian Chinese Business) News
Lunch with Investors

10 February 2023



Cautionary Statements

The Study has been undertaken to assess viability of developing the Kharmagtai Copper-Gold Project by constructing an open cut mine and processing facility to produce copper concentrate for export. It is a preliminary technical and economic Study of the potential viability of the Kharmagtai Project. It is based on low level technical and economic assessments that are not sufficient to support the estimation of ore reserves. Further exploration and evaluation work and appropriate studies are required before Xanadu will be in a position to estimate any ore reserves or to provide any assurance of an economic development case. The Study is based on the material assumptions in this document. These include assumptions about the availability of funding. While Xanadu considers all of the material assumptions to be based on reasonable grounds, there is no certainty that they will prove to be correct or that the range of outcomes indicated by the Study will be achieved. To achieve the range of outcomes indicated in the Study, funding of in the order of US\$700 million will likely be required. Investors should note that there is no certainty that Xanadu will be able to raise that amount of funding when needed. It is also possible that such funding may only be available on terms that may be dilutive to or otherwise affect the value of Xanadu's existing shares. It is also possible that Xanadu could pursue other 'value realisation' strategies such as a sale, partial sale or joint venture of the project. If it does, this could materially reduce Xanadu proportionate ownership of the project. Given the uncertainties involved, investors should not make any investment decisions based solely on the results of the Study. 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. The Study is based on the December 2021 Mineral Resource Estimate, is based on low-level technical and economic assessments, and is insufficient to support estimation of Ore Reserves or to provide assurance of an economic development case at this stage, or to provide certainty that the conclusions of the Study will be realised. The Study has been completed to a level of accuracy of +/-35% in line with industry standard accuracy for this stage of development. The Company has reasonable grounds for disclosing a Production Target, given that in the first seven years of production, 100% of the mill feed is scheduled from the Indicated Resource category, which exceeds the economic payback period for the project by 3 years. Approximately 55% of the Life of Mine Production Target is in the Indicated Mineral Resource category, and 45% is in the Inferred Mineral Resource category. There is a lower level of geological confidence associated with Inferred Mineral Resources, and while the Company considers all the material assumptions in this Study to be based on reasonable grounds, there is no certainty that they will prove to be correct or that the range of outcomes indicated will be achieved. The Mineral Resources underpinning the production target in the Study have been prepared by a Competent Person in accordance with the requirements of Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code 2012). The Competent Person's Statement is found in the Geology and Resources section of this Study. For full details of the Mineral Resource Estimate, please refer to Xanadu ASX/TSX Announcement dated 25 February 2022. Xanadu confirms that it is not aware of any new information or data that materially affects the information included in that release. All material assumptions and technical parameters underpinning the estimates in that Announcement continue to apply and have not materially changed. Note that unless otherwise stated, all currency in this Study is US dollars.

Forward Looking Statements

Certain statements contained in this Study, including information as to the future financial or operating performance of Xanadu and its projects may also include statements which are 'forward-looking statements' that may include, amongst other things, statements regarding targets, estimates and assumptions in respect of mineral reserves and mineral resources and anticipated grades and recovery rates, production and prices, recovery costs and results, capital expenditures and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions. These 'forward-looking statements' are necessarily based upon a number of estimates and assumptions that, while considered reasonable by Xanadu, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies and involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements. Xanadu disclaims any intent or obligation to update publicly or release any revisions to any forward-looking statements, whether as a result of new information, future events, circumstances or results or otherwise after the date of this Study or to reflect the occurrence of unanticipated events, other than required by the Corporations Act 2001 (Cth) and the Listing Rules of the Australian Securities Exchange (ASX) and Toronto Stock Exchange (TSX). The words 'believe', 'expect', 'anticipate', 'indicate', 'contemplate', 'target', 'plan', 'intends', 'continue', 'budget', 'estimate', 'may', 'will', 'schedule' and similar expressions identify forward-looking statements. All 'forward-looking statements' made in this Study are qualified by the foregoing cautionary statements. Investors are cautioned that 'forward-looking statements' are not a guarantee of future performance and accordingly investors are cautioned not to put undue reliance on 'forward-looking statements' due to the inherent uncertainty therein. Xanadu has concluded that it has a reasonable basis for providing these forward-looking statements and the forecast financial information included in this Study. To achieve the range of Kharmagtai Copper-Gold Project outcomes indicated in the 2022 Study, funding of in the order of an approximately US\$700 million will likely be required by the Company. Based on current market conditions and the results of studies undertaken, there are reasonable grounds to believe the Project can be financed via a combination of equity and debt, as has been done for numerous comparable projects in Mongolia and other jurisdictions in Asia in recent years. Debt may be secured from several sources including Australian banks, international banks, the high yield bond market, resource credit funds, and in conjunction with product sales of offtake agreements. It is also possible the Company may pursue alternative funding options, including undertaking a corporate transaction, seeking a joint venture partner or partial asset sale. There is, however, no certainty that Xanadu will be able to source funding as and when required. Whilst no formal funding discussions have concluded, the Company has engaged with several potential financiers of the Kharmagtai Copper-Gold Project and these financial institutions and corporations have expressed an interest in being involved in funding of the Project. This ASX Study has been prepared in compliance with the current JORC Code (2012) and the ASX Listing Rules. All material assumptions, including sufficient progression of all JORC modifying factors, on which the production target and forecast financial information are based have been included in this ASX Study.

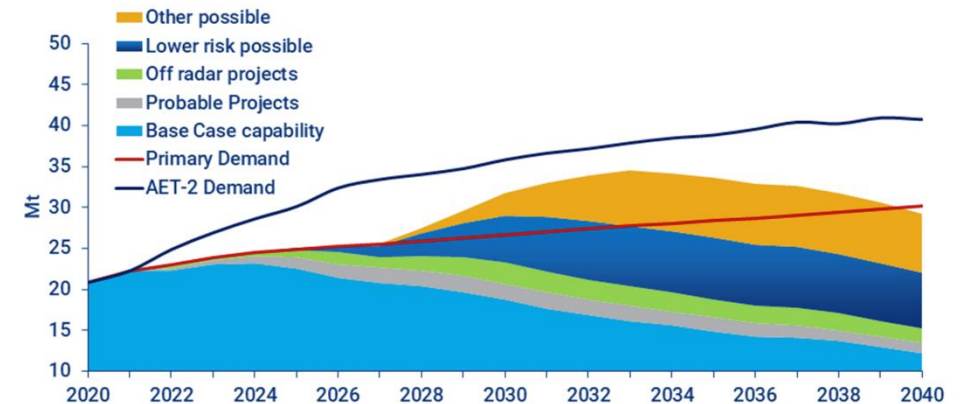
Copper Approaching a Supply Cliff

Critical for Global Industrial & Economic Growth

- Copper over-utilised relative to endowment, and more so recently with growing goal to decarbonise globally
- Global Reserve grades falling since 1990's; Halved to ~0.5% Cu¹
- New copper discoveries insufficient to replace production; Discoveries in 2020s expected to be poorest since 1990²
- Increasing ESG requirements impacting project lead time & risks; >10yrs from copper discovery to production³
- Shorter term copper supply reducing
 - Chile (world #1) guidance indicates less production
 - South American producers impacted by political instability, incl Peru (world #2) production down 30% over last 6 weeks⁸
- Copper supply deficits forecasted as inevitable
 - Goldman Sachs 2023 forecasts **178kt deficit**, underpinning record **US\$11,000/t** copper price, increasing to **US\$12,000/t** in 2024⁹
 - Wood Mac est. 6.5Mt deficit by 2027 for AET-2 Demand⁴
 - BMO est. 9Mt deficit by 2030; with 4Mt new supply growth (capex >\$75bn) as max. practical limit irrespective of Cu prices⁵
 - Equivalent to 8x new Escondida mines over next 8 yrs⁶

¹ <http://info.gorozen.com/2021-q1-market-commentary-problems-with-copper>
² <https://www.spglobal.com/marketintelligence/en/news-insights/research/copper-discoveries-declining-trend-continues/>
³ <https://www.angloamerican.com/~media/Files/A/Anglo-American-Group/PLC/media/presentations/2022pres/bank-of-america-duncan-wanblad-presentation-2022.pdf>
⁴ <https://www.woodmac.com/news/opinion/will-a-lack-of-supply-growth-come-back-to-bite-the-copper-industry/>
⁵ <https://www.ft.com/content/975b92c0-8f70-48c2-8e50-f615db68228d>
⁶ <https://aheadoftheherd.com/8-escondidas-needed-over-the-next-eight-years/>
⁷ <https://cdn-ceo-ca.s3.amazonaws.com/1q9df18-Global-Metals-Mining-King-Copper-once-and-future-14-September-2020-Bernstein.pdf>
⁸ <https://www.bloomberg.com/news/articles/2023-01-27/protest-surge-imperils-30-of-copper-supply-in-no-2-miner-peru?leadSource=uverify%20wall>
⁹ <https://www.afr.com/markets/commodities/extremely-tight-market-to-fuel-record-copper-prices-next-year-20221207-p5c4au#:~:text=Goldman%20Sachs%20upgraded%20its%20average,from%20%24US8325%20per%20tonne%20previously.>

Copper Supply vs Primary & Accelerated Energy Transition (AET-2) Demand ⁴



Copper amongst most over-utilised relative to geological endowment ⁷

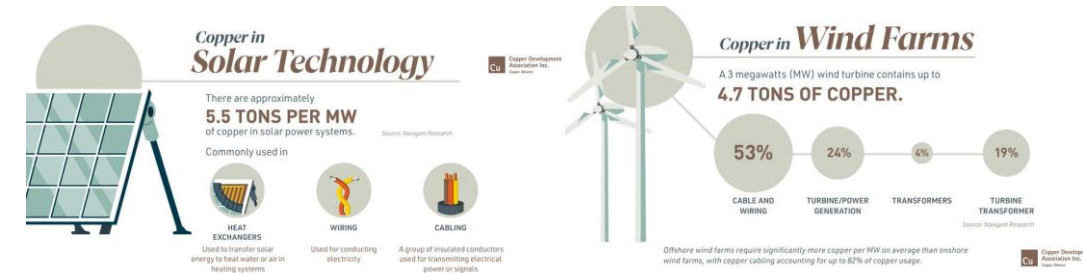


Growing Demand from Green Power & Electric Vehicles

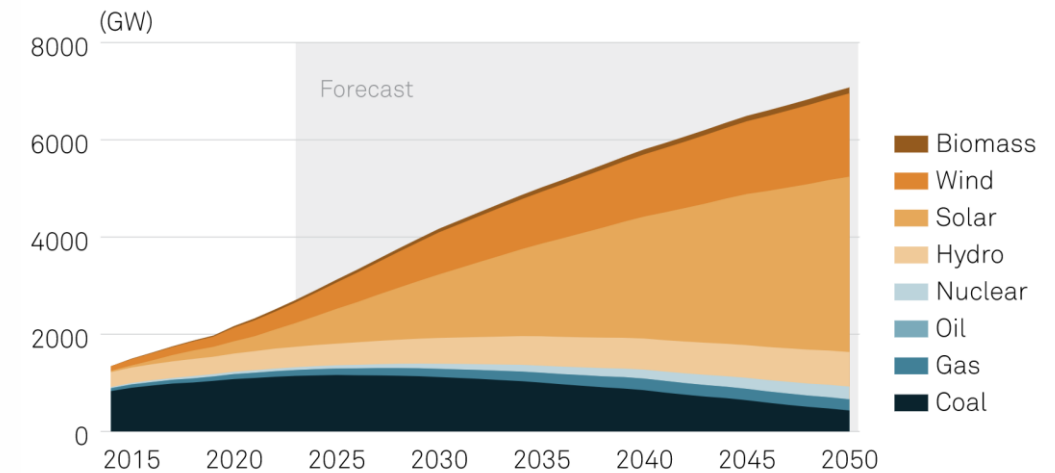
Copper is the Most Critical Mineral for Decarbonisation

- **Rapid global shift to solar & wind power generation**
 - 3-7x more copper intensive vs conventional power¹
 - Carbon footprint only 1-4% of coal fired power, over asset lifespan²
- **US goal of 100% clean electricity by 2035**
 - Adds 630GW wind & 450GW solar generation³
 - US\$100B copper intensive electrical grid upgrades for support⁴
- **China's carbon neutral goal by 2060**
 - US\$17T green infrastructure & technology investments needed in power & transport sectors alone⁵
- **EV consumes 300 - 400% more copper vs internal combustion⁸**
 - Includes battery, motor, inverter/converter, cabling & charging⁹
 - Other (non-copper) critical metals will reduce as new battery chemistries develop¹⁰
- **New EV infrastructure heavily copper reliant**
- **Auto companies investing in EV critical metals**
 - Tesla, GM, BMW & Toyota have mining/refining deals for lithium, cobalt & nickel
 - Ford & Rio recently signed MOU to develop & produce low carbon footprint copper¹¹
 - Projected copper deficit could lead to further direct sourcing strategies

Solar & Wind Technology – Copper Intensity⁶



China's Cumulative Installed Power Generation Growth (2015 to 2050e)⁷



¹ <https://www.iea.org/reports/the-role-of-critical-minerals-in-clean-energy-transitions/executive-summary>

² <https://www.cnbc.com/2022/04/13/green-energy-the-race-to-roll-out-super-sized-wind-turbines-is-on.html>

³ <https://www.spglobal.com/marketintelligence/en/news-insights/research/national-clean-energy-standard-could-require-1000-gw-of-new-wind-solar-by-2035>

⁴ <https://aheadoftheherd.com/the-us-has-a-metals-problem/>; <https://www.energy.gov/sites/default/files/2022-02/Electric%20Grid%20Supply%20Chain%20Report%20-%20Final.pdf>

⁵ <https://www.worldbank.org/en/news/press-release/2022/10/12/china-s-transition-to-a-low-carbon-economy-and-climate-resilience-needs-shifts-in-resources-and-technologies#:~:text=E2%80%9CTo%20reach%20net%2Dzero%20emissions,and%20the%20Pacific%2C%20Ruth%20Horowitz.>

⁶ <https://www.copper.org/environment/sustainable-energy/renewables/>

⁷ <https://www.spglobal.com/commodityinsights/en/market-insights/latest-news/energy-transition/020123-china-to-maintain-renewables-growth-pace-in-2023-despite-uncertainty>

⁸ <https://techcrunch.com/2021/08/22/the-tough-calculus-of-emissions-and-the-future-of-evs/>

⁹ <https://www.cmegroup.com/openmarkets/commodities/2021/copper-role-in-electric-vehicle-production.html>

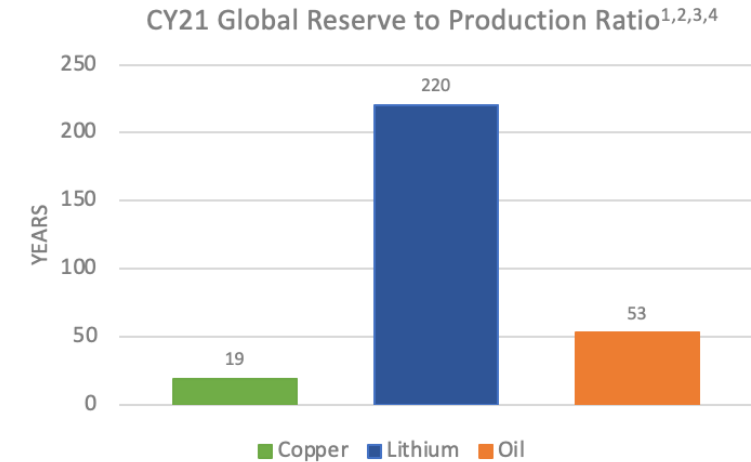
¹⁰ <https://cdn-ceo-ca.s3.amazonaws.com/1g9df18-Global-Metals-Mining-King-Copper-once-and-future-14-September-2020-Bernstein.pdf>

¹¹ <https://www.riotinto.com/news/releases/2022/Ford-Rio-Tinto-sign-MOU-for-battery-and-low-carbon-materials-supply-to-support-net-zero-future>

Could Copper & Gold be “the Lithium” of 2023...?

- (1) Energy Transition driving the start of a New Copper Supercycle
- (2) Deglobalisation & Uncertainty thematic continues for Gold

- **Copper & Lithium regarded as the “New Oil” to reduce fossil fuel use**
 - Lithium outperformance in 2022 despite Reserve overabundance
 - 2023 could be Copper’s year for projected Reserve depletion
 - China’s copper demand (world #1) growth to accelerate in 2023 with its reopening and rising renewable investment & EV production
- **Gold to shine in the Year of the Rabbit**
 - Central Bank demand & geopolitical tensions support a continued upward trend
 - All-time quarterly record for Central Bank purchases in 3Q’22: 399t gold (+341% vs 3Q’21)⁵
 - China gold reserves rose for first time since 2019
 - ❖ to 1,980t (+162%) or \$112B in December 2022, for US dollar diversification
 - ❖ UBS expects further purchases with reserves still very low⁶
 - Bloomberg consensus expects mild recession, with **greater gold upside than downside risk**⁷
 - Bank of America forecasts gold price floor early 2023, then **\$US2,000/oz average** in 2H as Federal Reserve slows interest rate rises⁸



¹ <https://pubs.usgs.gov/periodicals/mcs2022/mcs2022-copper.pdf>

² <https://pubs.usgs.gov/periodicals/mcs2022/mcs2022-lithium.pdf>

³ <https://www.bp.com/content/dam/bp/business-sites/en/global/corporate/pdfs/energy-economics/statistical-review/bp-stats-review-2022-full-report.pdf>

⁴ <https://www.ogj.com/exploration-development/reserves/article/14286688/global-oil-and-gas-reserves-increase-in-2022>

⁵ <https://www.gold.org/goldhub/research/gold-demand-trends/gold-demand-trends-q3-2022/central-banks>

⁶ <https://www.reuters.com/markets/commodities/chinas-reported-gold-reserves-rise-first-time-since-2019-2022-12-07/>

⁷ <https://www.gold.org/goldhub/research/gold-outlook-2023-global-economy-crossroads>

⁸ <https://www.afr.com/wealth/investing/the-key-to-a-golden-recovery-in-2023-20221206-p5c44i>

Xanadu Strategy Overview

Leverage a deep understanding of Mongolia, its people, and demonstrated technical capabilities to discover & define critical minerals, focused on gold rich copper deposits in the South Gobi



**Active Search
for New Projects**

**Red Mountain
Gold Silver Copper
(100%)**
Mapping & Trenching
ongoing

**Kharmagtai
Copper Gold
(76.5%)⁴**
PEA completed 2022
PFS 2023-2024



**Zijin JV
(50:50)**
Zijin cash investment in
1Q'2023 includes US\$35M
into Kharmagtai JV &
A\$7.2M into XAM

¹ ASX/TSX Announcement 8 December 2021 – Kharmagtai Resource Grows to 1.1Bt containing 3Mt Cu and 8Moz Au
² ASX/TSX Announcement 6 April 2022 – Scoping Study Kharmagtai Copper-Gold Project
³ ASX/TSX Announcement 19 April 2022 – Strategic Partnership with Zijin Mining
⁴ Will become 38.25% upon completion of 50-50 Joint Venture with Zijin Mining Group

Why Invest in Mongolia?

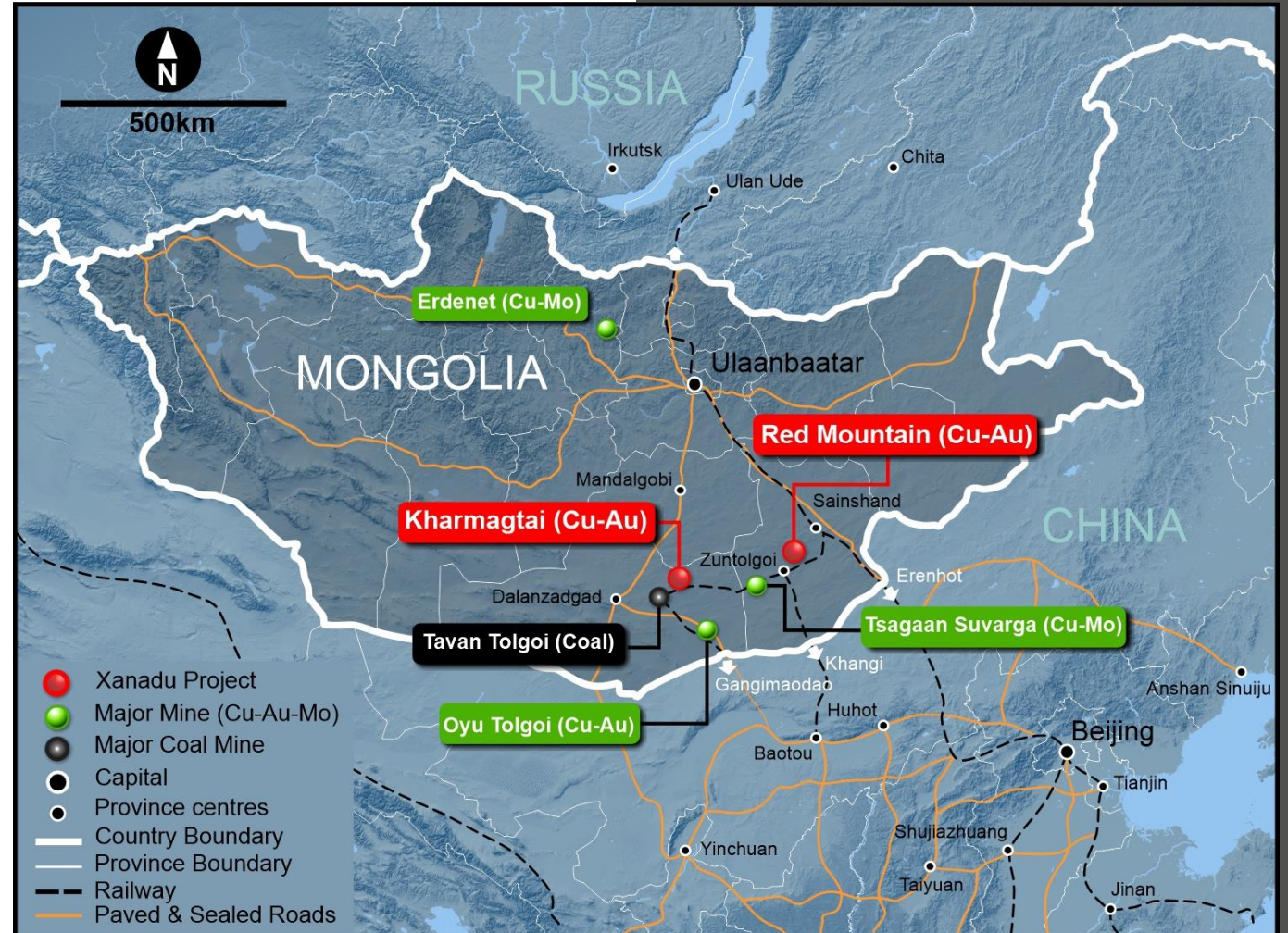
Untapped Opportunities in a Proven & Growing Mining Jurisdiction

Why Mongolia?

- Highly prospective & under-explored terrains
- Emerging mining jurisdiction with excellent South Gobi infrastructure
- Very competitive ESG Risk environment including clear path to approvals
- Gov't seeking increased foreign investment

Xanadu's Strategic Fit

- Established capability with teams in country backed by very experienced leadership
- High quality existing projects at Kharmagtai & Red Mountain
- Broadened search for additional projects underway, informed by deep understanding



Binding Strategic Partnership with Zijin Mining

Transformational Investment¹ Totaling US\$43M (A\$64M²)

Phase 1 Complete, Phases 2/3 Imminent

- Phase 1 = A\$5.6M cash (completed @ 4cps, 38% premium) for 9.9% XAM stake
- Phase 2 = A\$7.2M cash @ 4cps, increasing to 19.99% XAM stake
- Phase 3 = US\$35M (A\$51.5M) cash invested in Khuiten Metals, for 50-50 JV controlling Kharmagtai
- PRC regulatory approval is imminent (**final step** to execution)

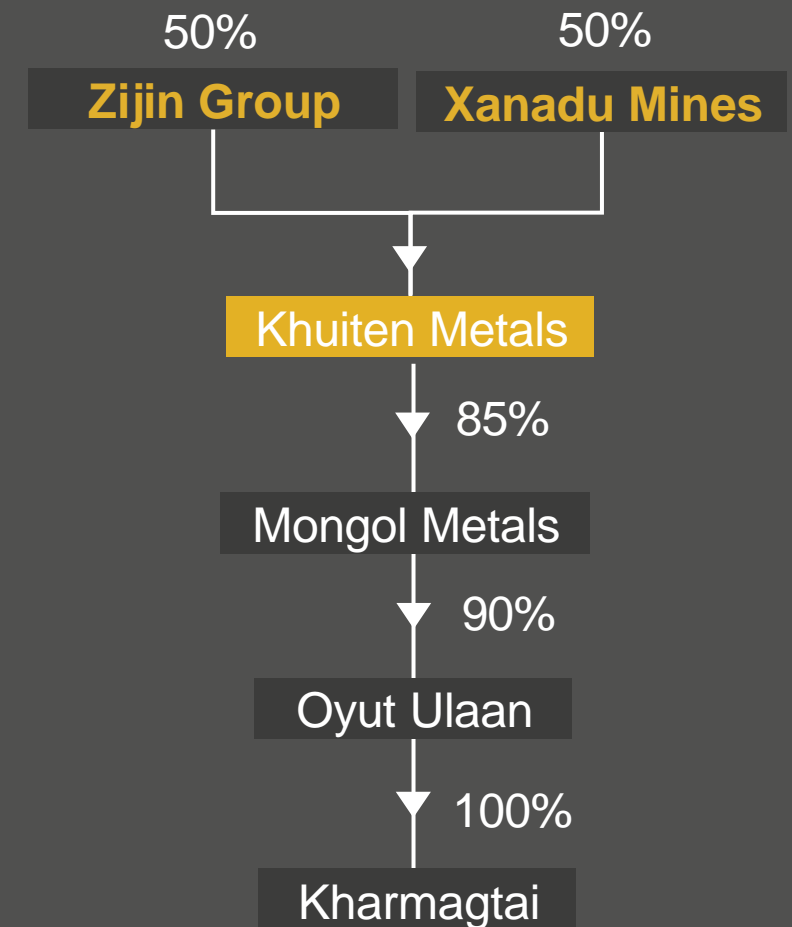
Cash Backed Deal

- Implied Kharmagtai Value = **US\$92M⁴** or A\$32/t CuEq Resource

Options Protect XAM Shareholders Post PFS⁵

- a) Xanadu seeks independent funding for its 50% JV share
- b) Put Option for Xanadu to sell its 25% JV share to Zijin for US\$25M + loan carried by Zijin for Xanadu's remaining 25% share to commercial production
- c) Put Option for Xanadu to sell its 50% JV share to Zijin for US\$50M

Post-Deal Asset Ownership³ *Kharmagtai controlled by Khuiten Metals*



¹ ASX/TSX Announcement 19 April 2022 – Strategic Partnership with Zijin Mining

² Currency conversion based on AUD:USD = 0.71

³ Effective ownership of Kharmagtai by each of Xanadu and Zijin is 38.25% (= 50% * 85% * 90%)

⁴ US\$35M / 38.25% effective ownership = US\$92M

⁵ ASX/TSX Announcement 21 December 2022 – Investment Deal signed with Zijin – Pathway to Production

Compelling Strategic Fit

Pairs Xanadu's exploration with Zijin's balance sheet & operating capability

Xanadu – a copper & gold focused Mongolian explorer

- Experienced explorer & developer
- Deep Mongolian knowledge

Zijin – a copper & gold focused global mining major

- Strong balance sheet enables efficient project development
- Proven expertise in mine construction & operation
- Downstream logistics, refining & smelting capability

Well structured³

- Xanadu executes the PFS, then Zijin constructs & operates the mine
- PFS has 18-month timeframe, with Xanadu as Operator & Chair of the JV
- Working under 50:50 JV with equal voting rights

XANADU MINES

“Discovering and Defining World Class Mineral Deposits in Mongolia”



“Strategic objective to be a green, high-tech, leading global mining company”



Zijin's Bor Copper Mine & Concentrator

¹ ASX/TSX Announcement 19 April 2022 – Strategic Partnership with Zijin Mining

² ASX/TSX Announcement 21 December 2022 – Investment Deal signed with Zijin – Pathway to Production

³ Refer to slides 35 & 36

Enables Commercialisation & Creates Value

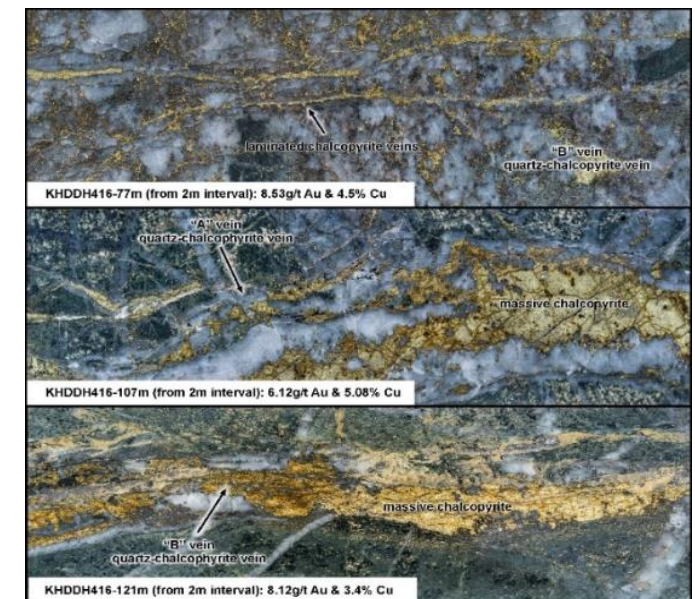
Xanadu Funded to deliver Decision to Mine & Growth Exploration

Kharmagtai Project (US\$35M)¹

- Complete Pre-Feasibility Study (US\$20M)
 - Decision to Mine = Financial Investment Decision
 - Maiden Ore Reserve in 2024 (~30,000m infill drilling)
- Value Add Investment (US\$15M) includes Growth Focused Exploration
 - High-grade mineralisation at **depth**,
 - Higher-grade deposit **extensions**,
 - **New discoveries** over the 66.5km² tenement, with all
 - Aimed at delivering **material growth** in Resource grade & tonnes

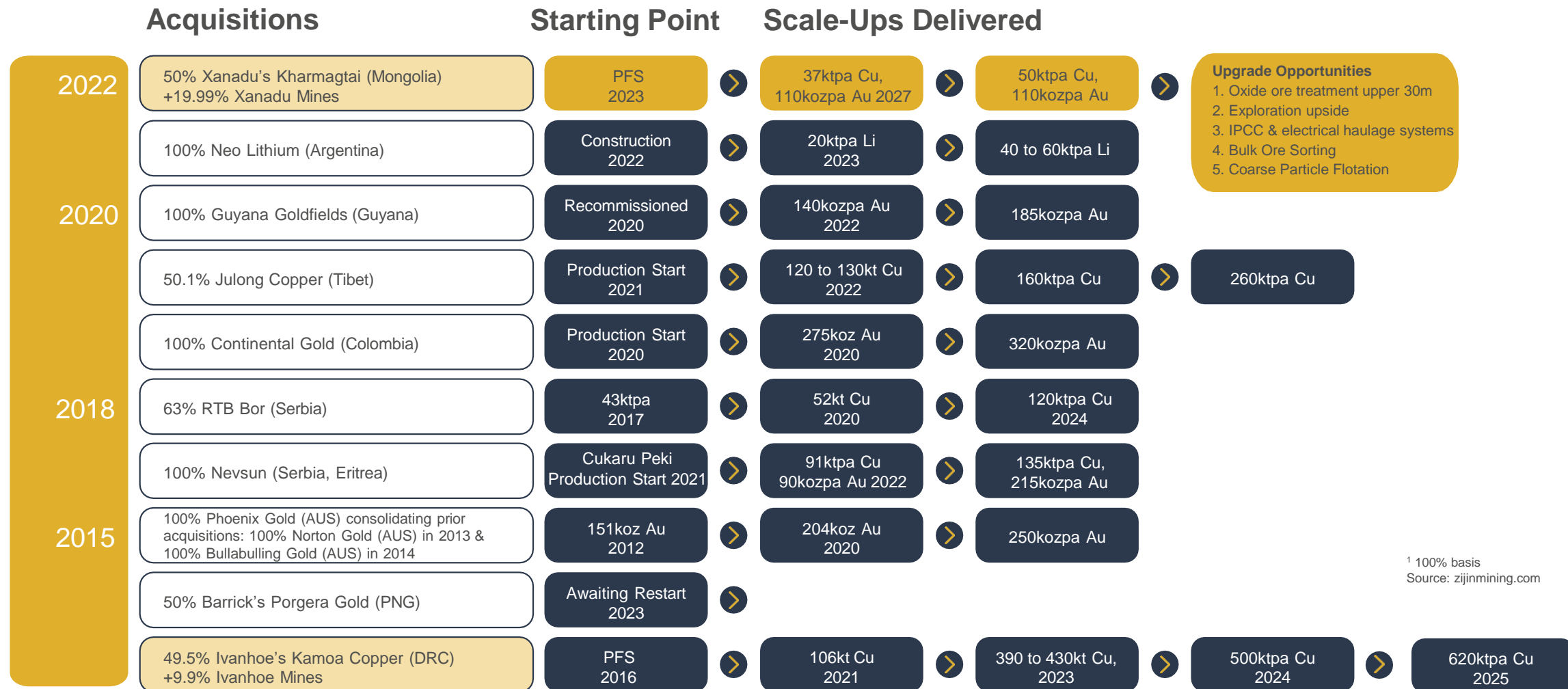
Regional Exploration (A\$7.2M)¹

- Red Mountain advanced exploration
- New project generation search underway



Aligned to Zijin Operating Strategy – Acquire & Scale-up

Successful Upgrades & Expansions, including Impressive JV with Ivanhoe



¹ 100% basis
Source: zijinmining.com

Strategic Partnership with Zijin Repositions Xanadu for Growth

XAM (ASX, TSX)

Current

A\$0.031

Share Price as @ 01/02/2023

1,459M

Shares on issue @ 01/02/2023

A\$46.7M

Market Cap @ 3.1cps

A\$1.2M

Cash Balance reported as @ 31/12/2022 + A\$1.1M placement

A\$45.5M

Enterprise Value

55% Top 20 Shareholders¹

INSTITUTIONAL SHAREHOLDERS

ACA **16%**
Zijin **10%**
Others **16%**

BOARD & MANAGEMENT

7% on a fully diluted basis
(54m shares + 48m performance options)

After Zijin Deal²

1,639M

Shares on issue after Phase 2 completed

A\$8.4M + US\$35M

Cash Balance reported as @ 31/12/2022 + A\$1.1M placement + Phase 2 Cash Injection A\$7.2M (4cps) to 19.99% shareholding + Phase 3 Project Joint Venture cash US\$35M

60% Top 20 Shareholders

INSTITUTIONAL SHAREHOLDERS

Zijin **20%**
ACA **14%**
Others **14%**

BOARD & MANAGEMENT

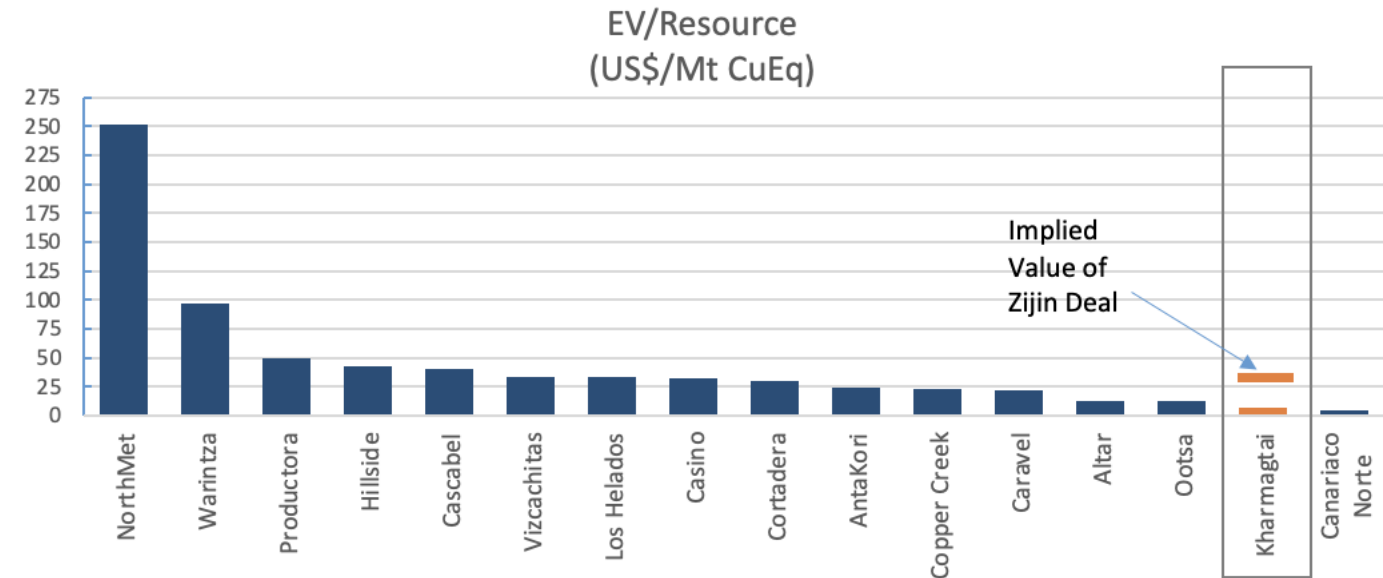
6% on a fully diluted basis
(54m shares + 48m performance options)



Kharmagtai is one of the few large scale, long-life, low-cost copper deposits in the world that can be developed within 5 years

Undervalued relative to peers, where Kharmagtai can be developed faster and for less cost due to:

1. Less complex ESG environment. Low population density, remote location and favourable topography.
2. Access to excellent infrastructure in the South Gobi including road, rail, power & water
3. Located very close to China, the largest consumer of copper concentrates globally
4. Mongolia is an emerging mining economy, looking to attract foreign direct investment



Trading at 69% discount relative to Zijin’s acquisition price of US\$23/t CuEq Resource, for its JV share

Source: Company Disclosure, EV in USD as at 01/02/2023
 CuEq calculations and benchmarking data in Appendix, refer to slide 39
 Capex Intensity calculated as Project Capex / Mineral Resource
 It is Xanadu’s opinion that all the elements included in the metal equivalents calculation above have a reasonable potential to be recovered and sold

Strong & Proven Board/Management Team

Board



Colin Moorhead
Executive Chairman & Managing Director



Ganbayar Lkhagvasuren
Country Manager & Executive Director



Michele Muscillo
Non-executive Director



Tony Pearson
Non-executive Director

Management



Munkhsaikhan Dambiinyam
Chief Operating Officer



Andrew Stewart
Vice President Exploration



Mat Brown
Chief Geologist



Spencer Cole
Chief Development Officer
Chief Financial Officer

Track Record of Discovering & Developing World Class Mineral Deposits

- ✓ Mongolia Expertise
- ✓ Deep Exploration Skills
- ✓ Experienced Developers of Porphyry Deposits
- ✓ Significant Commercial & Deal Making Capability

One of the Largest Undeveloped Gold-Rich Copper Resources

- | | | |
|---|---|---|
| <p>✓ Large Resource</p> <p>1.1Bt containing 3Mt Cu & 8Moz Au incl. >100Mt higher-grade zone</p> <ul style="list-style-type: none"> • Resource open at depth & along strike • Mineralisation extended with high-grade bornite intercepts encountered subsequent to 2021 Resource³ | <p>✓ High Quality Project</p> <p>PEA / Scoping Study¹ delivers US\$630M NPV; 4-yr payback & 20% IRR</p> <ul style="list-style-type: none"> • 30-yr mine life; producing 50ktpa copper & 110kozpa gold • First quartile AISC for first 5 years | <p>✓ Well Funded</p> <p>US\$35M for PFS & continued Discovery Exploration</p> <ul style="list-style-type: none"> • Binding Strategic Partnership signed with Zijin Mining Group² |
|---|---|---|

¹ ASX/TSX Announcement 6 April 2022 – Scoping Study – Kharmagtai Copper-Gold Project; includes appropriate economic ranges

² ASX/TSX Announcement 19 April 2022 – Strategic Partnership with Zijin Mining

³ ASX/TSX Announcement 1 December 2021 – Further Extensions to High Grade Zones at Stockwork Hill

Kharmagtai

Our Flagship Project



Scoping Study (PEA)¹ – a Compelling Project

Works on scale, gold by-product credits & low strip ratio

Conventional Design

- Mining – conventional open pit, low 1:1 strip ratio
- Processing – simple sulphide flotation + gravity plant (modelled on Cadia); expanding from 15Mtpa to 30Mtpa post capital payback
- Tailings & Waste Storage – conventional, low risk facilities, located on relatively flat, stable ground
- Infrastructure & Logistics – leverages advantages of South Gobi
- Regulatory – well defined pathway to production
- Social License to Operate – aided by low population density

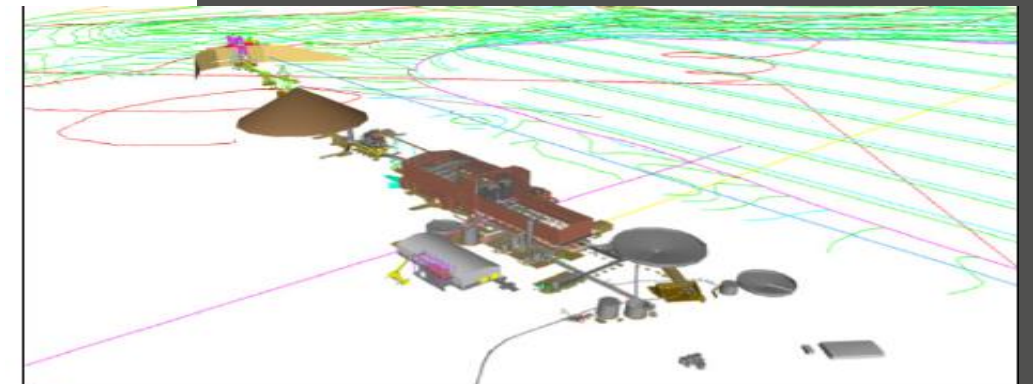
Compelling Physicals & Economics

- 30 year mine life producing 50ktpa Copper & 110kozpa Gold
- US\$1.02/lb Cu All In Sustaining Cost for first 5 years.
- Stage 1 Project Capex US\$690M
- US\$3.4B Free Cash Flow generated
- NPV US\$630M, IRR 20%, 4 Year Payback

Open Pit Mine



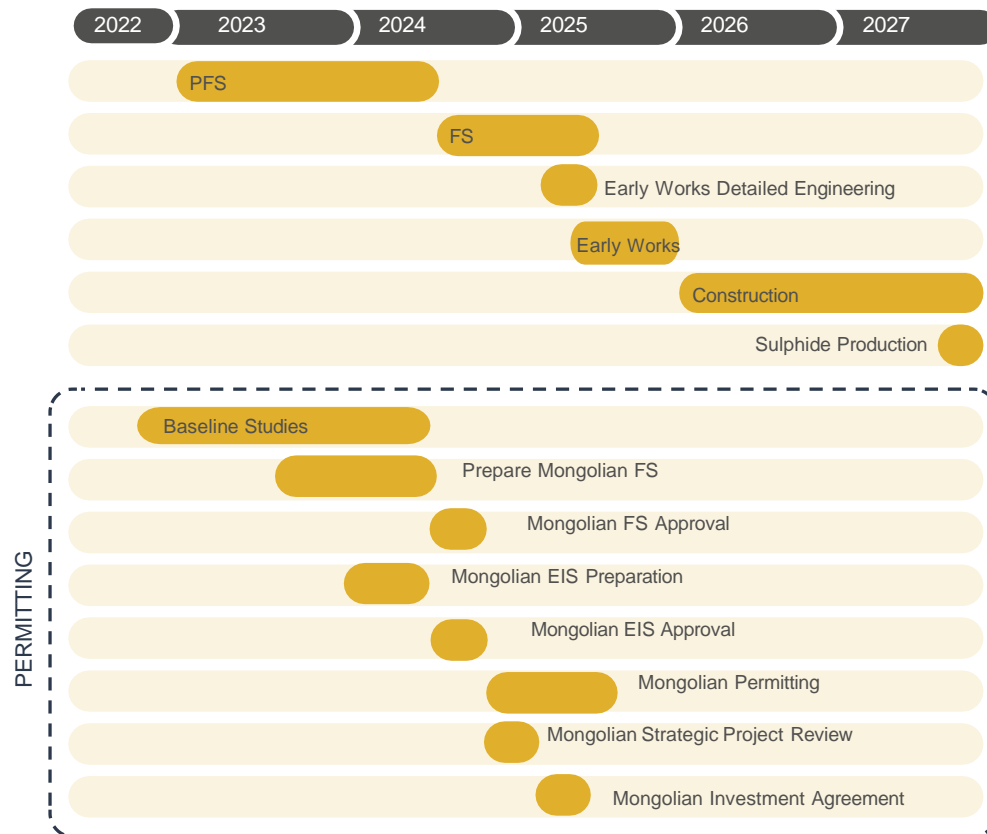
Sulphide Plant



Strong Economics & Achievable Pathway to Production

Gated to Pre-Feasibility (PFS) following robust Scoping Study¹

Production Timeline



Development Strategy:

- Establish 15Mtpa starter mine
- Explore in parallel to define full extent of the system
- Expand to 30Mtpa after payback, funded by starter mine

First production 4Q'2027. Target uplift opportunities in opex, capex and production.

Clear permitting path mapped by experienced Mongolian team.

Project Economics

Summary Outcomes	Low	Base	High
Net Revenue (US\$M)	15,200	16,100	17,100
EBITDA (US\$M)	5,880	6,770	7,660
Net Cash Flow (US\$M)	2,590	3,420	4,240
NPV (8% discount)	405	630	850
IRR	16%	20%	25%
Capital Payback	7 years	4 years	4 years

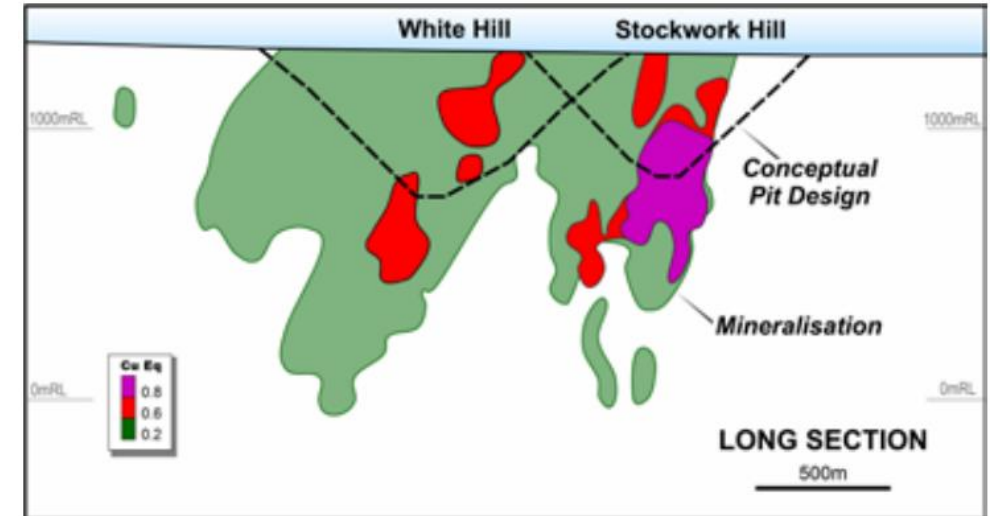
Sensitivities	Low	Base	High
Cu price (US\$/lb) (+/-10%)	3.60	4.00	4.40
Au price (US\$/oz) (+/-5%)	1,615	1,700	1,785
Life of Mine Capex (US\$M) (+/-10%)	2,046	1,860	1,674

Multiple Expansion & Upgrade Opportunities

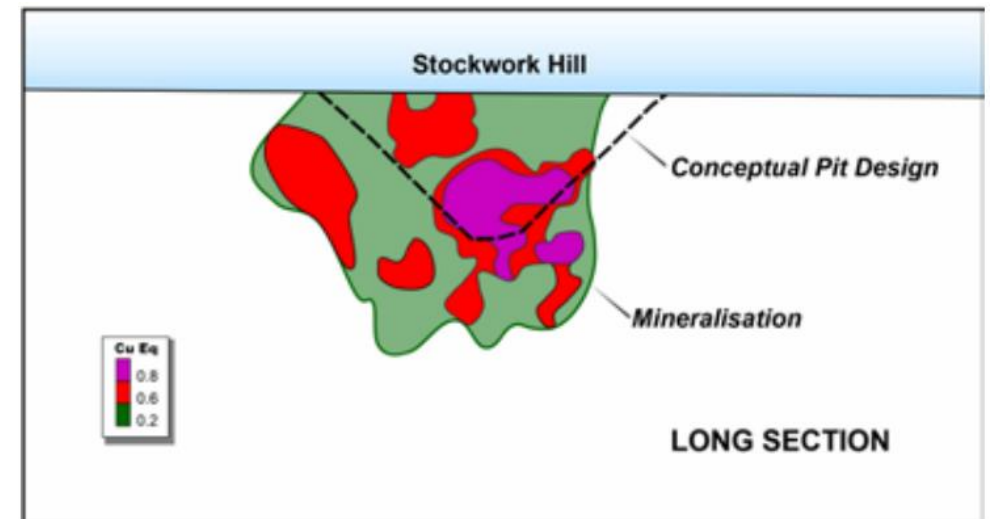
PFS targets production growth, cost reduction, low carbon footprint & resource expansion

Opportunity	Deliverable
Leach Oxidised Material	Convert near surface, pre-strip mineralised waste into cash generating ore, with leaching
Bulk Ore Sorting & Coarse Particle Flotation	Feed grades elevated through sorting and/or coarser grind, reducing power & water consumption
Electrified Haulage Systems	Reduce mining costs, fleet requirements & carbon footprint by employing contemporary technologies: in-pit crush & convey, trolley assist haulage etc.
Continued Exploration	Grow production rate and/or extend mine life through discovery of new ore sources

ASX/TSX Announcement Scoping Study Kharmagtai Copper-Gold Project



Kharmagtai Resource within Open Pit in Long Section



Stockwork Hill Long Section showing current resource, proposed open pit & high-grade blocks below pit outline open along strike and at depth.

Exploring in “Elephant Country”

- ✓ **Kharmagtai**
 1.1Bt containing 3Mt Cu & 8Moz Au incl. >100Mt higher-grade zone³
 Significant high-grade growth potential at depth, along strike, and in new discovery targets
- ✓ **Red Mountain**
 Highly prospective, advanced exploration project in the South Gobi
 Shallow, higher grade opportunities
- ✓ **Project Generation**
 Identify new projects in Mongolia and the region
 Evaluate projects for future facing commodities such as copper, nickel and lithium

Exploration

Kharmagtai & the South Gobi Region

ASX:XAM | TSX:XAM



³ ASX/TSX Announcement 1 December 2021 – Further Extensions to High Grade Zones at Stockwork Hill

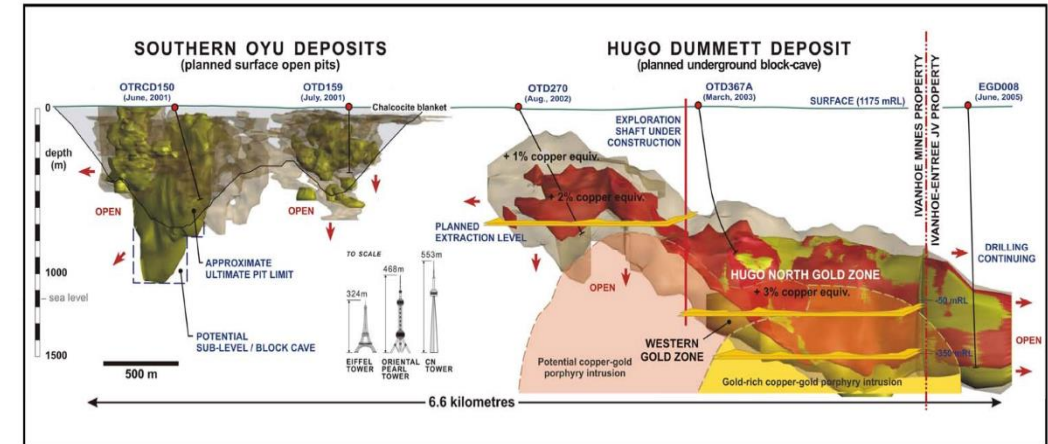
Higher-Grade Extension Potential

Kharmagtai Depth Limit Untested; Targeting “Hugo North” Analogue

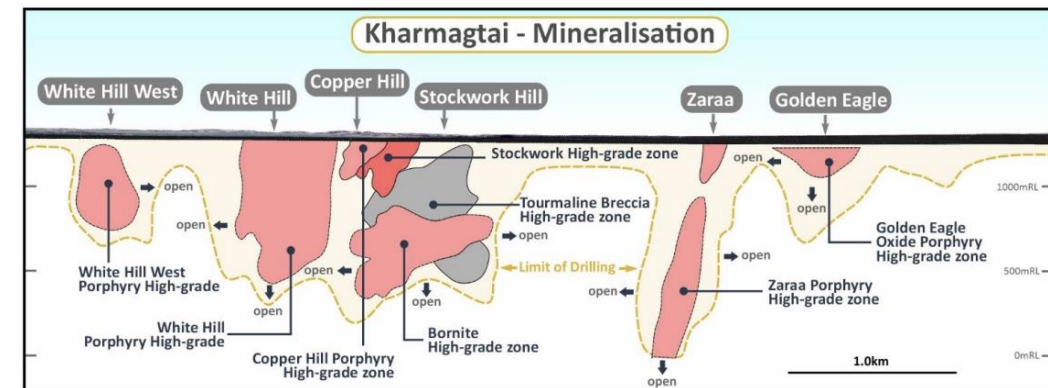
Kharmagtai vs Hugo North

Factor	Hugo North (HN) ¹	Kharmagtai (KH)	KH vs HN Scorecard
Mineralisation	Stockwork with bornite rich core, zoning to chalcopyrite & pyrite	Stockwork Hill deposit has bornite rich core, zoning to chalcopyrite & pyrite	☑
Cu & Au Grades	Starts below 900m & increases to the north.	Starts at surface & increases with depth	☑
Au : Cu Ratio ²	<ul style="list-style-type: none"> Up to 1:10 in south Up to 1:1 in north Best Au grades associated with bornite 	<ul style="list-style-type: none"> Up to 2:1 at surface Up to 5:1 at depth Higher Au grades (avg 3:1) in bornite zone 	☑
Depth	Starts at 800 – 900m	Limited drilling below 800m	☒

Hugo North Mineralisation: Starting Depth ~800m³



Kharmagtai Mineralisation: Limits of Drilling ~800m



¹ https://www.researchgate.net/publication/276086472_The_Giant_Oyu_Tolgoi_Porphyry_Copper-Gold_Deposit_Discovery_History_and_Exploration_Implications_South_Gobi

² shown as Au (g/t) : Cu (%)

³ http://www.cmi-capital.com/Doc_Server/SEEGF_Docs/Kirwin/1-OT%20Discovery%20%203SEG-Europe-10%20Sep%202006.pdf

New Discovery Growth Potential at Kharmagtai

Systems & Deposits continue to be Discovered

Exploration Scorecard

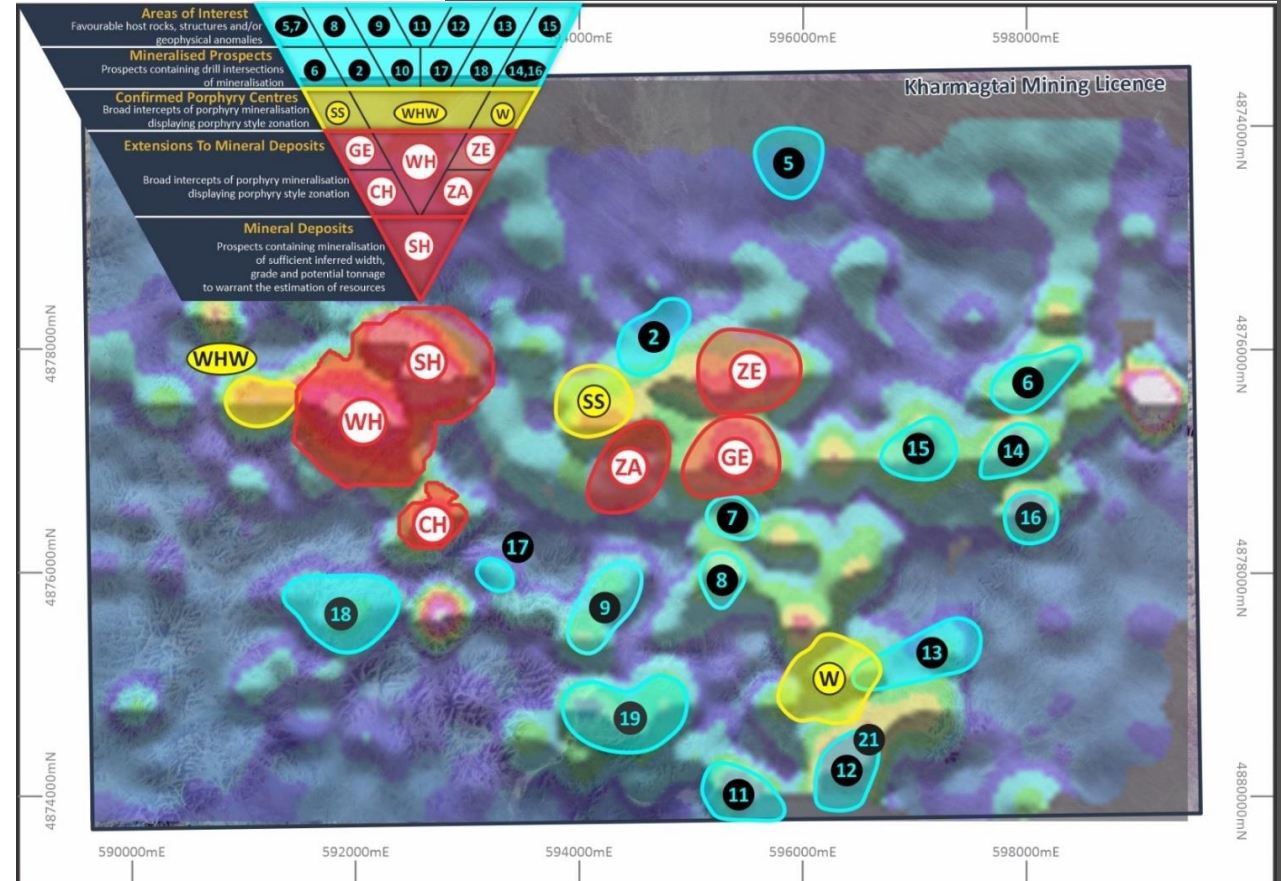
- 5 subsurface discoveries out of 10 prospects drilled
- <\$0.01/lb CuEq discovery cost vs ~\$0.07/lb industry avg¹

District Continues To Open Up

- Multiple copper-gold porphyry intrusions
- Increasing grade at depth
- Mineralised structures linked to faulting

Porphyry Orebodies Evolve Over Time

- Continued exploration for new high-grade deposits
- Link existing systems at depth
- Highly prospective for new discovery
- Several priority targets drilled in 2021
- >20 targets to be drilled over next 12 months



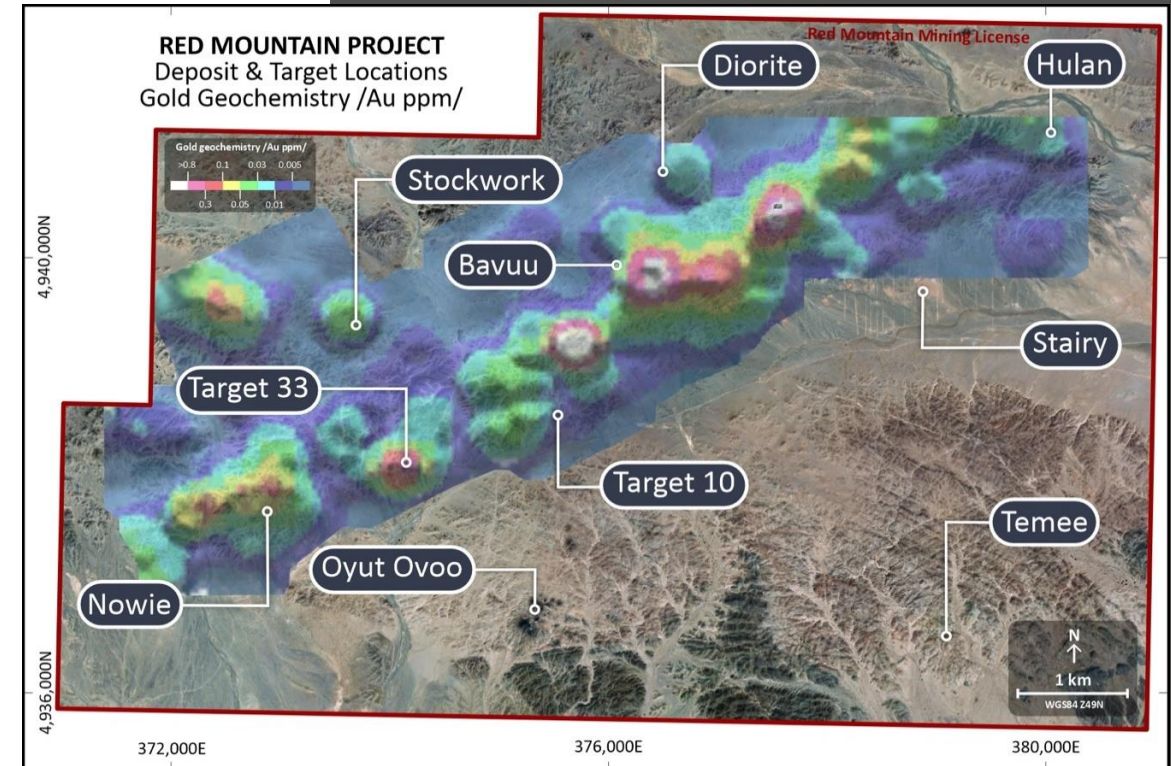
¹ Minexconsulting <https://minexconsulting.com/recent-trends-in-copper-exploration-are-we-finding-enough-2/>

Red Mountain Exploration - Shallow, Higher-Grade

New Broad Gold Zones Expand & Open Potential for More

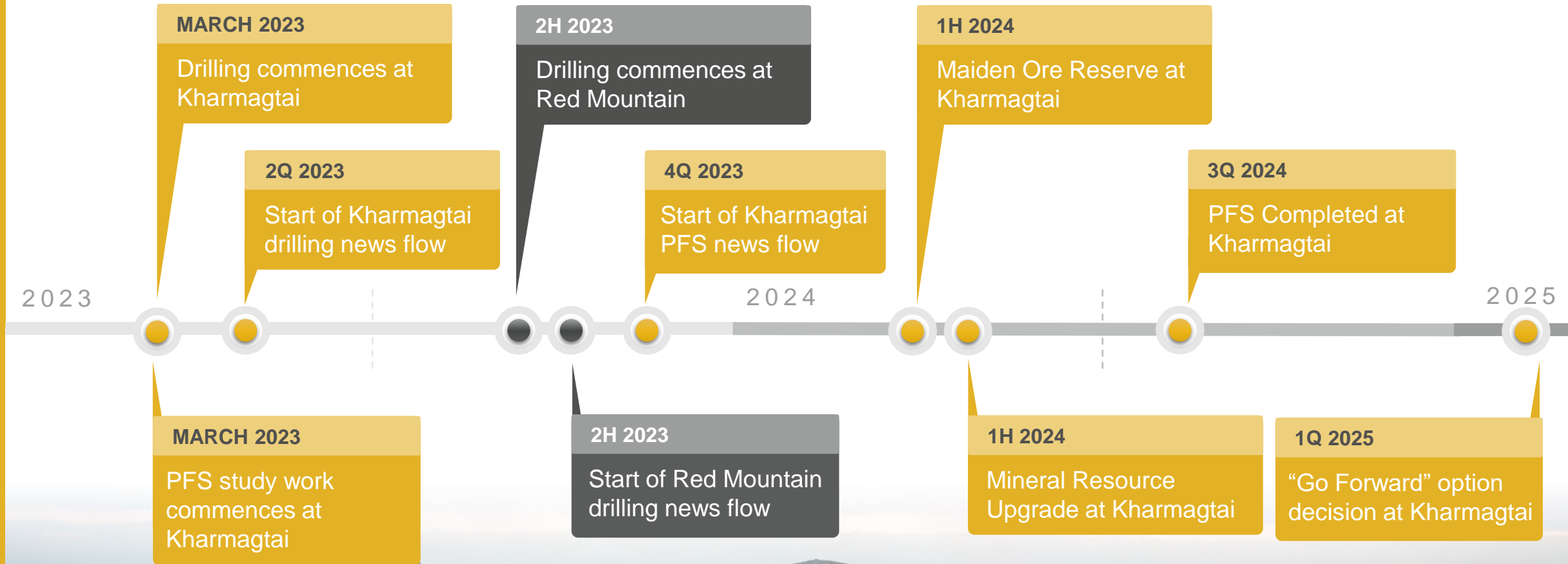
Highly Prospective Secondary Project

- Shallow, high-grade epithermal gold & copper-gold-silver skarn mineralisation discovered:
 - 4 Cu-Au-Ag systems
 - 2 epithermal Au-Ag systems
- New target generation commenced August 2022
- Trenching underway to define targets
 - Initial trenching at Target 33¹ delivered broad 350m x 80m zone of shallow gold
 - Drill testing of high priority targets to commence soon
- Targeting smaller scale, high-grade deposits enabling lower capex development



Achievable Timeline for Value Creation

What's Next? Drill Success to Grow our Tier 1 Resource + Complete 18-month PFS



Contact

Keep up to date with us



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Appendix

- Mongolia Investment & ESG Policy
- Mongolia-China Relations
- Zijin Mining Background
- Value Drivers
- PFS Performance Targets
- “Go Forward” Options Post PFS
- Kharmagtai Resource & CP Statement
- Benchmarking
- Scoping Study Details
- Upside Opportunities

Mongolia Policy Reforms to Incentivise Mining

Seeking to boost investor confidence; potential to be a miner's destination of choice

Law reform coming soon ^{1, 2, 3}

- Newly appointed pro business ministers announced (during quick Cabinet reshuffle) for mining, economy & development, and secretariat chief
- Expected to shape a more investor friendly mining sector; revisions to Mining Law expected in 2023. Law of Mongolia on Minerals (2006) has been stable for some time now, with no amendments passed since 2019.
- Revisions to Investment Law also on the agenda, including establishment of Investor Protection Council
- Aimed at boosting investment, the economy & investor confidence

Aligned with 'New Revival Policy' framework ^{4, 5}

- Framework designed to create favourable business environment, improve foreign & domestic investment climate, as well as **fiscal reform**
- Policy implementation aims to:
 1. increase mineral export volumes
 2. improve capacity of border checkpoints, and
 3. accelerate infrastructure & energy construction projects.



XAM board & management catching up with the team; Ready for PFS kick off in March 2023.

¹ <https://thediplomat.com/2022/09/mongolia-unveils-new-pro-business-cabinet/>

² <https://montsame.mn/en/read/302312>

³ <https://uk.practicallaw.thomsonreuters.com/w-017-7372?transitionType=Default&contextData=%28sc.Default%29>

⁴ <https://montsame.mn/en/read/285624>

⁵ <https://montsame.mn/en/read/303729>

Favourable ESG Environment = Short Time to Production

Mongolia is a proven & growing mining-driven economy

- Pro-mining jurisdiction – in 2021, mining accounted for 24% of Mongolia's GDP & 90% of export revenues¹
- Significant mining region – tops Investment Monitor's 2021 Mining Vulnerability Index², followed by Zambia & Australia
- Stable democratic system – 30-yr history of democratic elections
- Social License to Operate – enabling short lead times to mine production
- Excellent established infrastructure – leveraging rail, power & water for low capex intensity development
- Ideal location – flat ground, sparse population & proximal to customers minimises technical, ESG & concentrate marketing risks

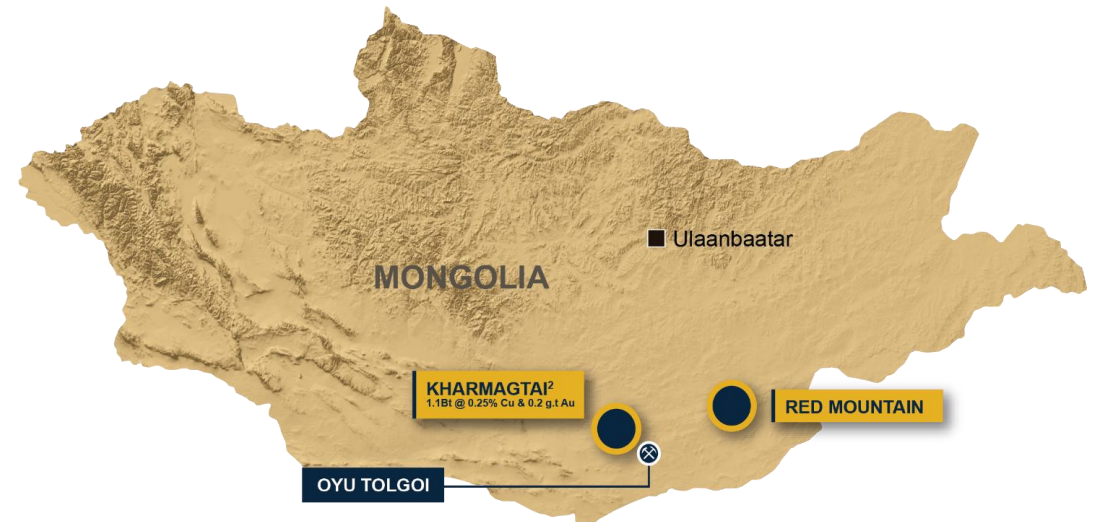
...On the doorstep of world's largest consumer

77% of Mongolia's external trade was with China between 2011 – 2021³

Copper (27%) & Coal (27%) accounted for majority of Mongolia's total exports to China over the same period³

China accounted for ~52% refined copper consumption globally in 2021^{4,5}

China's global consumption of refined copper up 4% yoy to 1.87Mt in 1H 2022^{4,5}



¹ <https://montsame.mn/en/read/289037>

² <https://investmentmonitor.ai/business-activities/extractive-industries/mongolia-and-australia-among-countries-that-will-suffer-the-most-in-a-mining-downturn>

³ The Current situation for Foreign Trade between Mongolia and China, Future Trend https://www.mongolbank.mn/documents/press_conference/20220621_06.pdf

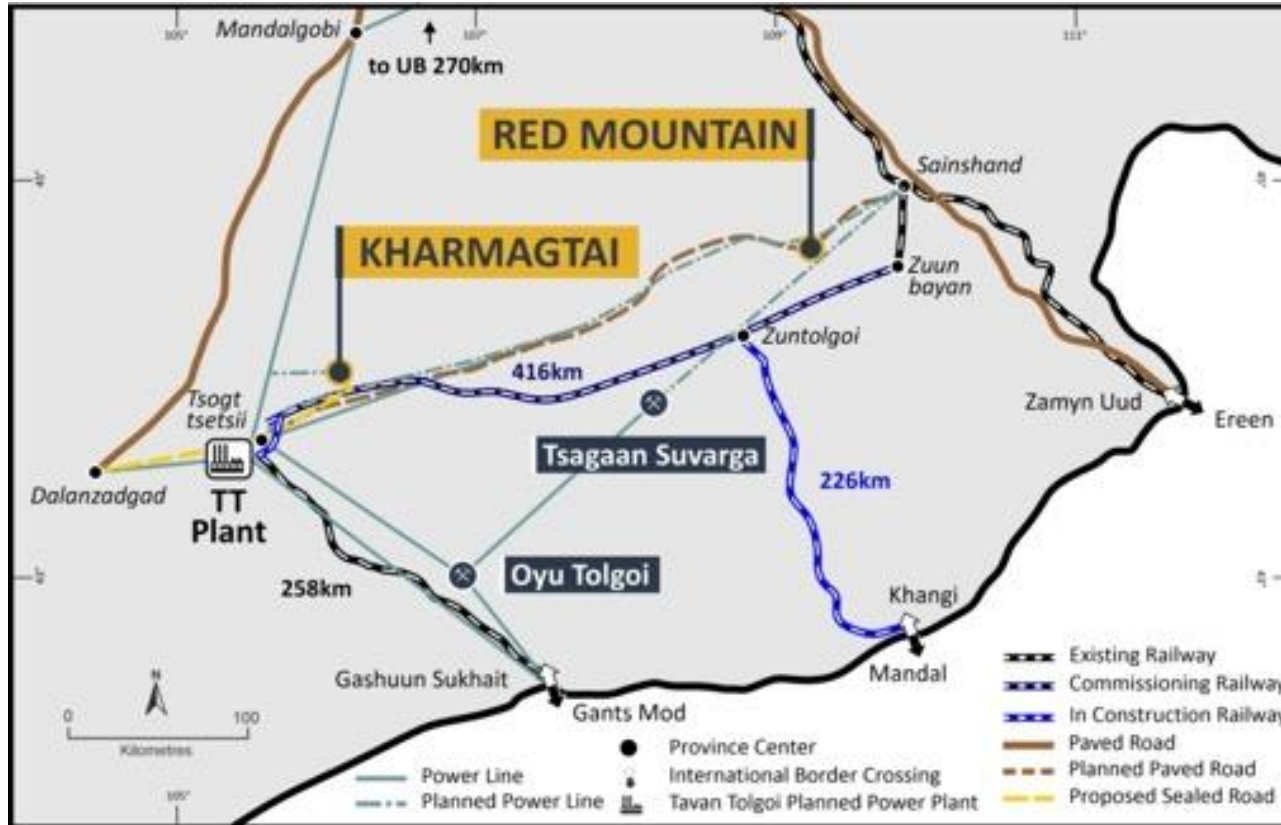
⁴ Global refined copper consumption distribution 2021, by region <https://www.statista.com/statistics/693466/distribution-of-global-refined-copper-consumption-by-region/>

⁵ China steps up copper imports despite renewed slowdown <https://www.reuters.com/markets/commodities/china-steps-up-copper-imports-despite-renewed-slowdown-andy-home-2022-08-02/>

New Mongolia Infrastructure Enhances Customer Links

Government investing for more globally competitive South Gobi mining products

South Gobi Regional Infrastructure



Rail & Road

- New rail line commissioning between Zuunbayan & Tsogttsetsii, linking to trans-Mongolia railway. New sealed road follows rail line.
- New rail lines south to China from Tavan Tolgoi (operational) reduces transport cost by 75%¹ & Zuntolgoi (in construction)
- 22km line connecting Gashuun Sukhait & Zuunbayan rail lines in construction, linking mining region to China & wider Mongolian network

Power

- New Tavan Tolgoi power plant construction awaiting tender process
- Additional power lines link region to Tavan Tolgoi

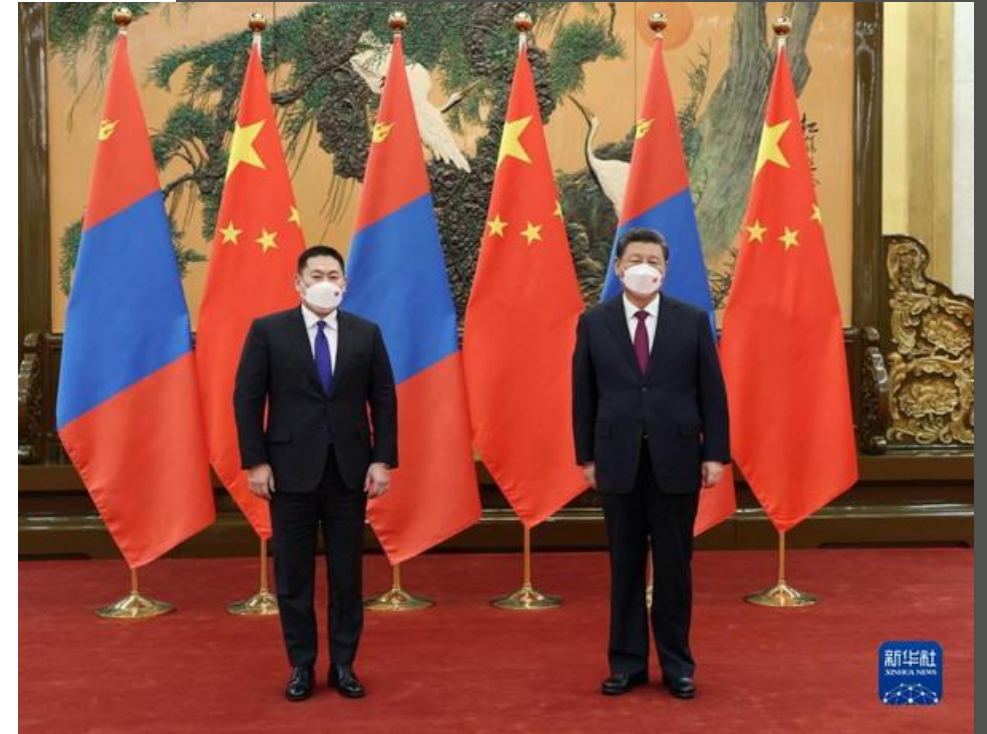


¹ <https://www.globaltimes.cn/page/202209/1275099.shtml>

Mongolia-China Growing Strategic Partnership

Zijin transaction echoes strengthening relationship

- Recent heads of state engagement confirms alignment of Mongolia's New Revival Policy with China's Belt and Road Initiative and Five-Year Plan¹
- Mongolia confirmed this bilateral relationship as the model for other global relationships
- Zijin strategic partnership with Xanadu demonstrates this growing inter-country engagement
- Xanadu transaction aligns with Zijin 2022 Strategy², targeting:
 - ✓ Large projects with best-in-class resources delivering sustainable growth
 - ✓ Responsible, green, high-tech mining
 - ✓ Good upside potential & strong synergies
 - ✓ Merger & acquisition to accelerate growth



¹ Ministry of Foreign Affairs of the People's Republic of China 6 February 2022 – Xi Jinping Meets with Mongolia Primer Minister Luvsannamsrai Oyun-Erdene; www.fmprc.gov.cn/mfa_eng/zxxx_662805/202202/t20220207_10639712.html

² Source: Zijinmining.com

Who is Zijin Mining Group?

A global copper & gold mining major

- Zijin brings **capability** and **balance sheet** to build a large-scale copper-gold mine like Kharmagtai
- **US\$51 billion** market capitalization, listed on Hong Kong & Shanghai exchanges
- **Global Top 10 copper producer**, 2021 mining production 584kt copper, 1.68 Moz gold and 396kt zinc
- Vertically integrated: **mining, smelting & refining** assets
- Operating assets across **14 countries & 5 continents**
- **Experienced Joint Venture partner**, including Kamoakakula copper-mine (Ivanhoe) & Porgera gold-silver mine (Barrick)

Source: Zijinmining.com

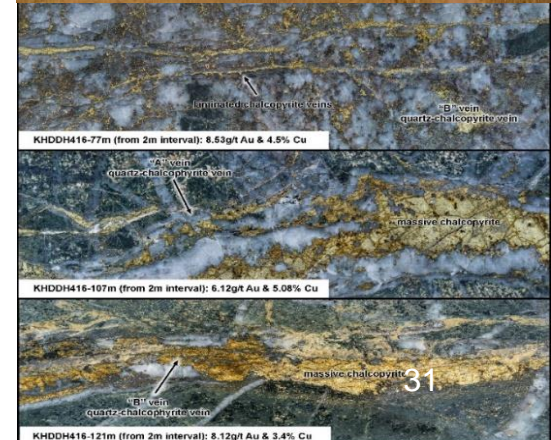
ASX:**XAM** | TSX:**XAM**



Our Value Proposition

High Impact Exploration & Development in a Proven & Growing Mining Jurisdiction

<p>Long Life, Low Cost Assets</p>	<p>Unique portfolio of high quality copper-gold assets, with flagship asset positioned in the bottom half of the cash curve.</p>
<p>Emerging Mining Jurisdiction</p>	<p>Underexplored mining economy, committed to enhancing its regulatory environment to accelerate mining growth.</p>
<p>High Growth Potential</p>	<p>Strong exploration & development pipeline, ideally positioned to deliver into a copper market with a long term structural deficit</p>
<p>Metals for Low Carbon Future</p>	<p>Positioned to produce copper in late 2027, required for global decarbonisation via increased electrification & renewable power.</p>
<p>Delivering Value to Shareholders</p>	<p>High quality team, with track record of delivering growth and deals that create real shareholder value</p>



2023 Plan - Delivering Value to Shareholders

Making Decisions that Drive Performance & Create Real Value

Kharmagtai Pre-Feasibility Study (US\$20M JV cash¹)

- Deliver Maiden Ore Reserve in 2024 including ~30,000m infill drilling
- Realise project value upside via technical studies
- Decision to Mine in 2024

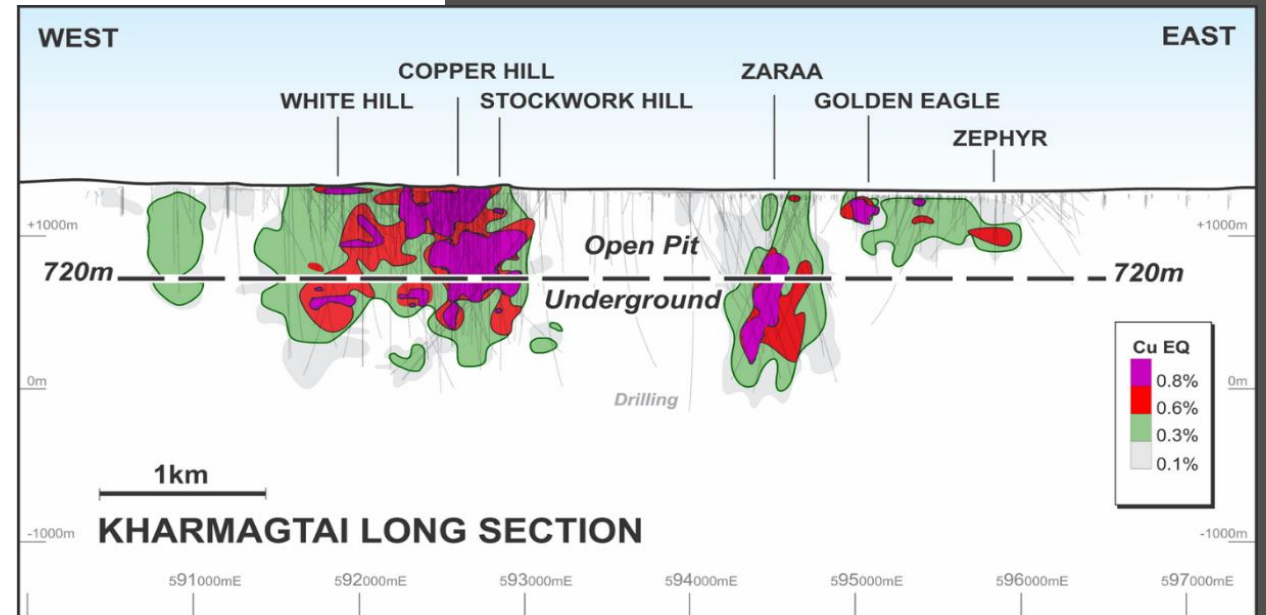
Kharmagtai Value Uplift (US\$15M JV cash¹)

- Exploration targeting new high-grade discovery
- Exploration targeting extension to known higher-grade zones at depth
- Other technology and development based uplift

Grow Project Pipeline (A\$7M XAM cash)

- Red Mountain discovery exploration
- New South Gobi minerals projects; identify & acquire

Kharmagtai 2021 Resource



Allocation of Funds

Pre-Feasibility Study, Exploration & Value Uplift

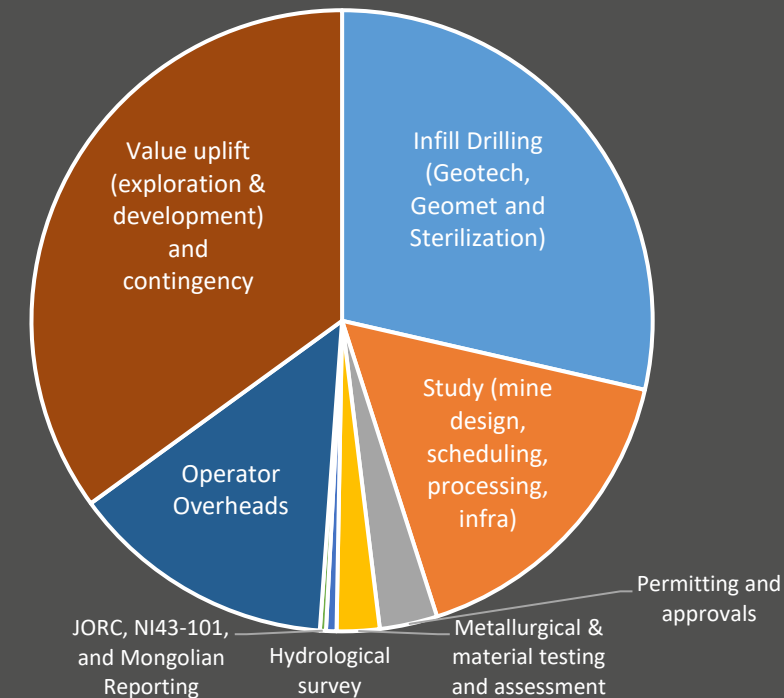
Kharmagtai Project (Zijin Phase 3)

- US\$35M invested into Khuiten Metals JV, which controls Kharmagtai
- Funds PFS, Exploration & Development Costs for 18 months
- Pays majority of Xanadu corporate overhead, as the Operator

Corporate Funding (Zijin Phase 2)

- A\$7.5M placement in Xanadu at A\$0.04/share
- Limited cash burn due to Kharmagtai project overhead remittances

US\$35M Invested in Kharmagtai



New PFS Targets to Upgrade Kharmagtai

Accelerated/Higher Confidence Production + Sustainability Upsides = Improved Returns

Performance Metric	2021 Scoping Study ¹	2024 PFS Performance Target	Key Outcome
JORC Ore Reserve	Nil Reserve. Indicated Resource used: <ul style="list-style-type: none"> • First 5 yrs production (100%) • Next 25 yrs production (50%) 	Solid PFS bolstered by higher confidence maiden Reserve , to support mining/processing plans	Increased Confidence in Production Profile
Life of Mine (LOM)	Delivered 30-yr LOM: <ul style="list-style-type: none"> • First 5yrs @ 15Mtpa starter • Next 25yrs @ 30Mtpa expansion 	>20-yr LOM Aggressively enhance early years of production, with LOM the potential trade off. Growth focused exploration & technology upside opportunities (see <i>slide 18</i>) could enable a more favourable outcome.	Acceleration of Production Profile
Internal Rate of Return (IRR) / Payback	Delivered 20% IRR & 4yr payback	>20% IRR & <6yr payback Investment approach to deliver best shareholder return, whilst maintaining economic input criteria	Production expansion economically optimised for opex & capex requirements.
Higher Environmental Protection vs applicable laws	Nil sustainability upsides evaluated in Low Risk, Base Case study	Sustainable mining & minerals processing technology upside opportunities targeting optimised mill feed, reduced water & energy consumption, associated emissions, and waste rock/tailings generation (see <i>slides 18 & 45</i>)	Kharmagtai shaped into high-tech, low emissions, leading mine for all stakeholders.

Attractive “Go Forward” Options Fortify JV

Unlocking a Funded Production Pathway

- Xanadu now has **right to exercise a Put Option** (up to 6 months post PFS completion), paving funded pathway to Kharmagtai production, and/or asset sale. Available Options for Xanadu after PFS
 - A. Sole Fund:** 50% share financed through a combination of equity & debt, with XAM expecting majority debt funded¹.
 - B. Partial Asset Sale & Loan Carry:** Sell 25% share for US\$25M, remaining 25% loan carried with Zijin (see *slide 36*)
 - C. Full Asset Sale:** Sell 50% share to Zijin for US\$50M
- With these Options, Xanadu is in a strong position to unlock greatest value
 - ✓ Irrespective of market conditions, or
 - ✓ In the **absence of a superior proposal emerging prior (or after)**, and
 - ✓ Primarily ensures shareholder **protection against potential strategic tactics** by shareholder & JV partner, Zijin.

Debt Funded Production Pathway Offers Prudent Approach

Option B: Sell 25% share in Kharmagtai for US\$25M to Zijin

Loan Carried for remaining 25% share of project construction:

- Project financed via direct loan with Zijin
- Interest priced variably at 6-Month Tenor Secured Overnight Financing Rate (SOFR) + 5% pa. Under current SOFR¹, project finance interest priced at 9.83%²
- Once **commercial production** achieved for Xanadu's 25% interest in Kharmagtai production & cashflow, the loan is immediately repaid from operating dividends

Scenario Delivers **Mutually Beneficial** Shareholder Outcome:

- ✓ **NO further equity raisings** to achieve Kharmagtai production
- ✓ **Attractively priced** project debt in the face of unpredictable market conditions & expectation for higher interest rate environment
- ✓ Special **majority JV approval**³ for critical business matters

¹ <https://www.traditiondata.com/americas/us-sofr/>

² 4.83% 6 month SOFR (as at 6th of February) + 5%

³ Resulting from JV no longer having equal shareholding. Option B scenario, Khuiten JV board becomes 25 XAM :75 Zijin.

Kharmagtai Copper Resource at Tier 1 Scale

2021 Resource Added 61,500m Drilling vs 2018 Resource Model

- Larger: Scale increase 0.6Mt to 1.1Mt, plus doubled higher-grade zones (>0.8% CuEq)
- Better Defined: Indicated classification increase from 22% to 41%
- Higher Value: Doubled gold by-product from 4Moz to 8Moz
- Still Has Upside: Strong growth potential at depth & along strike

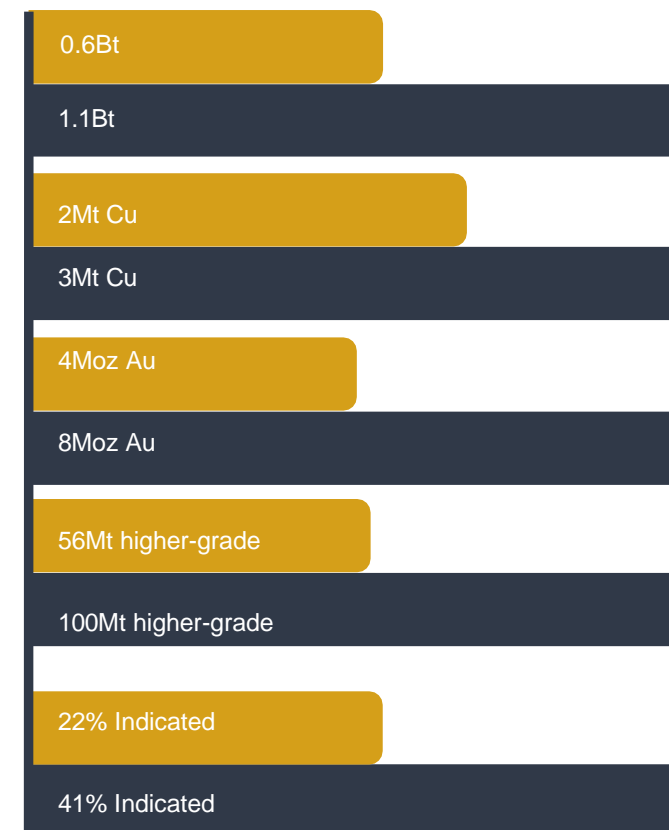
Resource	Cutoff (% CuEq)	Classification	Tonnes (Mt)	Grades			Contained Metal			
				CuEq (%)	Cu (%)	Au (g/t)	CuEq (Mlbs)	CuEq (kt)	Cu (kt)	Au (koz)
2021 ¹	0.2(OC) 0.3(UG)	Indicated	455	0.4	0.3	0.2	4,078	1,850	1,250	3,700
		Inferred	664	0.3	0.2	0.2	5,140	2,330	1,680	4,100
2018 ²	0.3(OC) 0.5(UG)	Indicated	131	0.5	0.4	0.4	1,570	710	480	1,500
		Inferred	477	0.4	0.3	0.2	4,350	1,970	1,500	2,930

¹ ASX/TSX Announcement 18 December 2018 – Technical Report to support Kharmagtai Mineral Resource

² ASX/TSX Announcement 28 February 2022 – Kharmagtai Technical Report

³ ASX/TSX Announcement 8 December 2021 – Kharmagtai Resource Grows to 1.1 Billion Tonnes

⁴ ASX/TSX Announcement 1 December 2021 – Further Extensions to High Grade Zones at Stockwork Hill



2018 Mineral Resource ¹

2021 Mineral Resource ^{2,3}

Competent Person's Statement

The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the 'JORC Code 2012') sets out minimum standards, recommendations and guidelines for Public Reporting in Australasia of Exploration Results, Mineral Resources and Ore Reserves. The Information contained in this announcement has been presented in accordance with the JORC Code 2012.

Mineral Resources: The information in this announcement that relates to Mineral Resources is based on information compiled by Mr. Robert Spiers who is responsible for the Mineral Resource estimate. Mr Spiers is a full-time Principal Geologist employed by Spiers Geological Consultants (SGC) and is a Member of the Australian Institute of Geoscientists with sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as the "Qualified Person" as defined in the CIM Guidelines and National Instrument 43-101. Mr Spiers consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

Exploration Results: The information in this announcement that relates to Exploration Results is based on information compiled by Dr Andrew Stewart who is responsible for the exploration data, comments on exploration target sizes, QA/QC and geological interpretation and information. Dr Stewart, who is an employee of Xanadu and is a Member of the Australasian Institute of Geoscientists, has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as the "Competent Person" as defined in the 2012 Edition of the "Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves" and the National Instrument 43-101. Dr Stewart consents to the inclusion in the report of the matters based on this information in the form and context in which it appears

Resource Benchmarked on Copper Equivalence

- Mineral Resource used in benchmarking include Inferred, Indicated, and Measured classifications. Resource tonnes and grades are as reported by each company.^{1,2}
- Copper equivalent grades were calculated by Xanadu Mines using the formula:
 - $CuEq = Cu + Au * 0.60049 * 0.86667$
- Where:
 - Cu = copper grade (%)
 - Au = gold grade (grams per tonne (g/t))
 - 0.60049 = conversion factor (Au to Cu); and
 - 0.86667 = relative recovery of Au to Cu (86.67%)
- These equivalent formulas were based on the following parameters (prices in USD):
 - Cu price = 3.4 \$/lb
 - Au price = 1,400 \$/oz
 - Cu recovery = 90%
 - Au recovery = 78%; and
 - Relative recovery of Au to Cu = 78%/90% = 86.67%
- Metals prices, Au-Cu conversion factor, and Au-Cu relative recovery factors are as defined in the 2021 Xanadu Mineral Resource Upgrade³

Global Project	Resource Date	Resource Mt				Au g/t			Cu %			Au Moz			Cu Mt			CuEq	
		Meas	Ind	Inf	Total	Meas	Ind	Inf	Meas	Ind	Inf	Meas	Ind	Inf	Meas	Ind	Inf	%	Mt
Altar	22/03/21	622	576	189	1,387	0.10	0.08	0.06	0.44%	0.42%	0.42%	2.0	1.5	0.4	2.7	2.4	0.8	0.47%	6.6
AntaKori	31/01/19	0	250	267	517	0.00	0.29	0.26	0.00%	0.48%	0.41%	0.0	2.3	2.2	0.0	1.2	1.1	0.58%	3.0
Canariaco Norte	28/02/22	424	671	411	1,505	0.07	0.05	0.04	0.43%	0.36%	0.29%	0.9	1.1	0.5	1.8	2.4	1.2	0.39%	5.8
Caravel	30/06/22	105	574	501	1,181	0.00	0.00	0.00	0.27%	0.24%	0.23%	0.0	0.0	0.0	0.3	1.4	1.2	0.24%	2.8
Cascabel	20/04/22	1,192	1,470	544	3,206	0.39	0.14	0.24	0.48%	0.28%	0.24%	14.9	6.6	4.2	5.7	4.1	1.3	0.48%	15.2
Casino	29/04/22	188	2,303	1,413	3,903	0.40	0.17	0.14	0.24%	0.13%	0.10%	2.4	12.5	6.3	0.5	3.0	1.4	0.21%	8.3
Copper Creek	6/07/22	65	290	75	430	0.00	0.00	0.00	0.61%	0.47%	0.38%	0.0	0.0	0.0	0.4	1.4	0.3	0.48%	2.0
Cortadera	31/03/22	0	471	108	579	0.00	0.12	0.08	0.00%	0.36%	0.28%	0.0	1.8	0.3	0.0	1.7	0.3	0.40%	2.3
Hillside	May 2015	72	150	114	337	0.22	0.20	0.10	0.54%	0.62%	0.54%	0.5	1.0	0.4	0.4	0.9	0.6	0.66%	2.2
Kharmagtai	8/12/21	0	487	664	1,151	0.00	0.20	0.20	0.00%	0.30%	0.20%	0.0	3.1	4.2	0.0	1.5	1.3	0.34%	4.0
Warintza	1/04/22	0	579	887	1,466	0.00	0.05	0.04	0.00%	0.47%	0.37%	0.0	0.9	1.1	0.0	2.7	3.3	0.43%	6.3
Los Helados	26/04/19	0	2,099	827	2,926	0.00	0.15	0.10	0.00%	0.38%	0.32%	0.0	10.1	2.6	0.0	8.0	2.6	0.43%	12.7
NorthMet	19/11/19	315	387	441	1,143	0.04	0.03	0.03	0.08%	0.07%	0.07%	0.4	0.4	0.5	0.2	0.3	0.3	0.09%	1.0
Ootsa	18/02/22	134	305	138	576	0.13	0.11	0.28	0.20%	0.16%	0.15%	0.6	1.1	1.2	0.3	0.5	0.2	0.25%	1.4
Productora	31/03/22	0	253	90	343	0.00	0.08	0.03	0.00%	0.41%	0.29%	0.0	0.6	0.1	0.0	1.0	0.3	0.41%	1.4
Vizcachitas	10/05/19	254	1,030	789	2,073	0.00	0.00	0.00	0.44%	0.39%	0.34%	0.0	0.0	0.0	1.1	4.0	2.7	0.37%	7.7

¹ Source: S&P Market Intelligence, Company Disclosure

² It is Xanadu's opinion that all the elements included in the metal equivalents calculation above have a reasonable potential to be recovered and sold

³ASX/TSX Announcement 8 December 2021 – Kharmagtai Resource Grows to 1.1Bt containing 3Mt Cu and 8Moz Au; and ASX/TSX Announcement 28 February 2022 – Kharmagtai Technical Report

Positioning as the Cadia Hill of Mongolia

Kharmagtai stacks up well on strip ratio, scale & copper grade

First 5yrs of production²:

		Kharmagtai (KH) Scoping Study	Cadia Hill (CH) Actuals
Material Mined	Mt	210	298
Ore Mined ¹	Mt	110	79
Ore Processed	Mt	70	79
Strip Ratio		0.9	2.8
Ore Processing rate	Mtpa	15	16
Avg Milled Grade:			
Copper	%	0.29	0.19
Gold	g/t	0.30	0.77
Avg Metal Recovery:			
Copper	%	90	81
Gold	%	78	74
Metal Produced:			
Avg Copper	ktpa	37	24
Avg Gold	kozpa	110	288
Copper	Mt	0.20	0.12
Gold	Moz	0.50	1.44

¹ Cadia Hill ore mined not reported, assumed ore mined = ore processed

² Sources: Kharmagtai Copper-Gold project Scoping Study; Cadia Valley Operations Technical Report, 2 Mar 2012



Cadia Hill

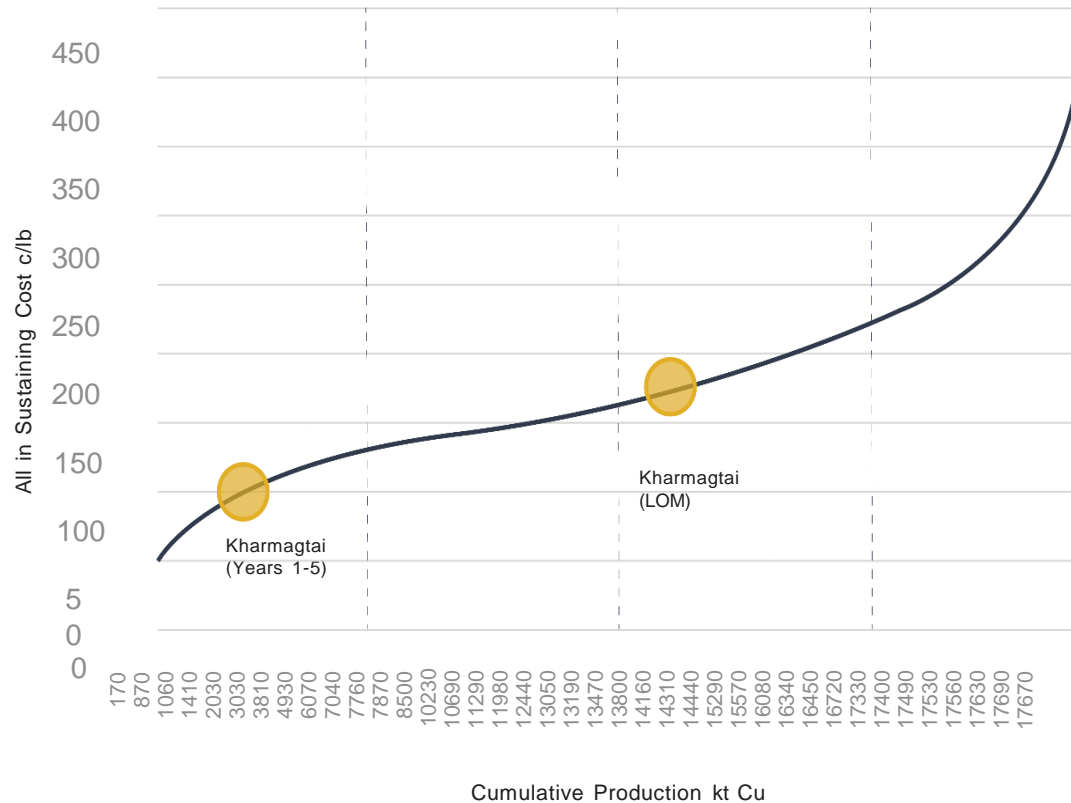


Kharmagtai

Starter Mine Expanded Post Capex Payback

Low AISC driven by low strip & gold by-product credits

Competitive Cost Curve Positioning



ASX/TSX Announcement 6 April 2022 – Scoping Study Kharmagtai Copper-Gold Project

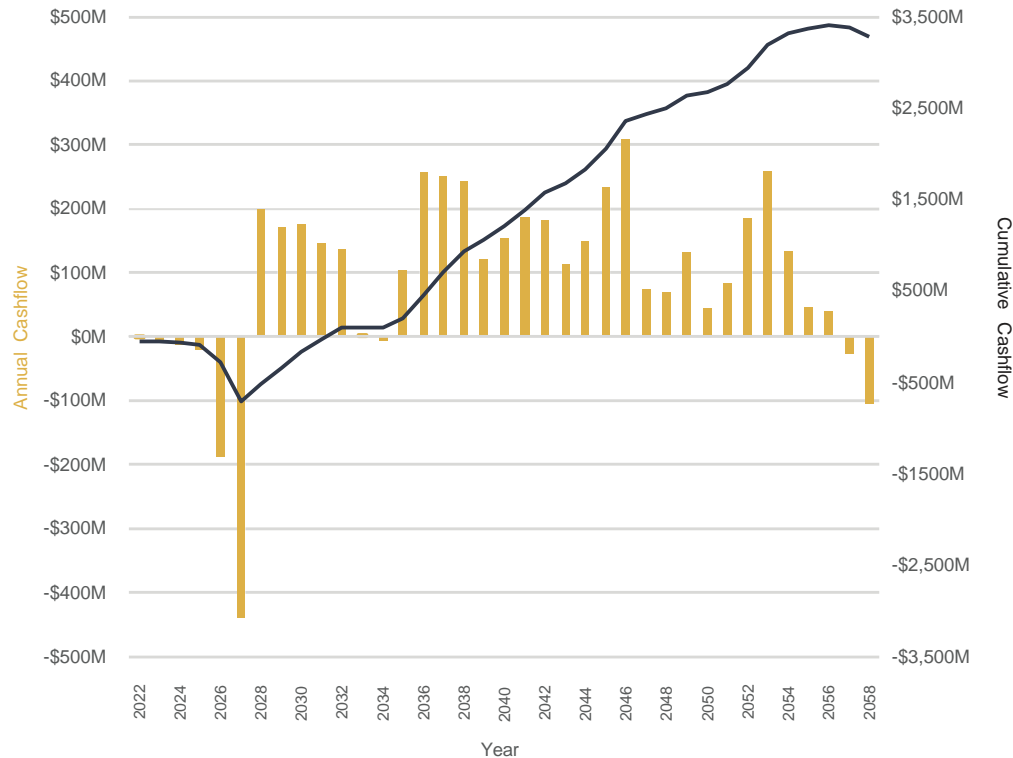
ASX:**XAM** | TSX:**XAM**

Area	Measure	Unit	Stage 1 Initial	Stage 2 Expansion	LOM	
Production	Period Years		5	25	30	
	Ore process rate. Mtpa		15	30	15-30	
	Feed from Indicated Resource %		100%	50%	55%	
	Ore processed Mt		70	690	760	
	Average copper grade %		0.29	0.21	0.21	
	Average gold grade g/t		0.30	0.16	0.18	
	Copper produced Mt		0.2	1.3	1.5	
	Gold produced Moz		0.5	2.8	3.3	
	Capital	Project Capital	US\$M	690	620	1,310
		Sustaining Capital	US\$M	40	530	570
Operating Cost	All In Sustaining Costs	US\$/lb	1.02	1.99	1.87	
Economic Assumptions	Copper Price	US\$/lb	4.00	4.00	4.00	
	Gold Price	US\$/oz	1,700	1,700	1,700	
Financials (after tax)	Net Present Value (NPV) @ 8%	US\$M			630	
	Internal Rate of Return (IRR)	% (real)			20	
	Capital Payback	Years	4	1	4	
	Free Cash Flow (after tax)	US\$M (real)	155	3,260	3,420	

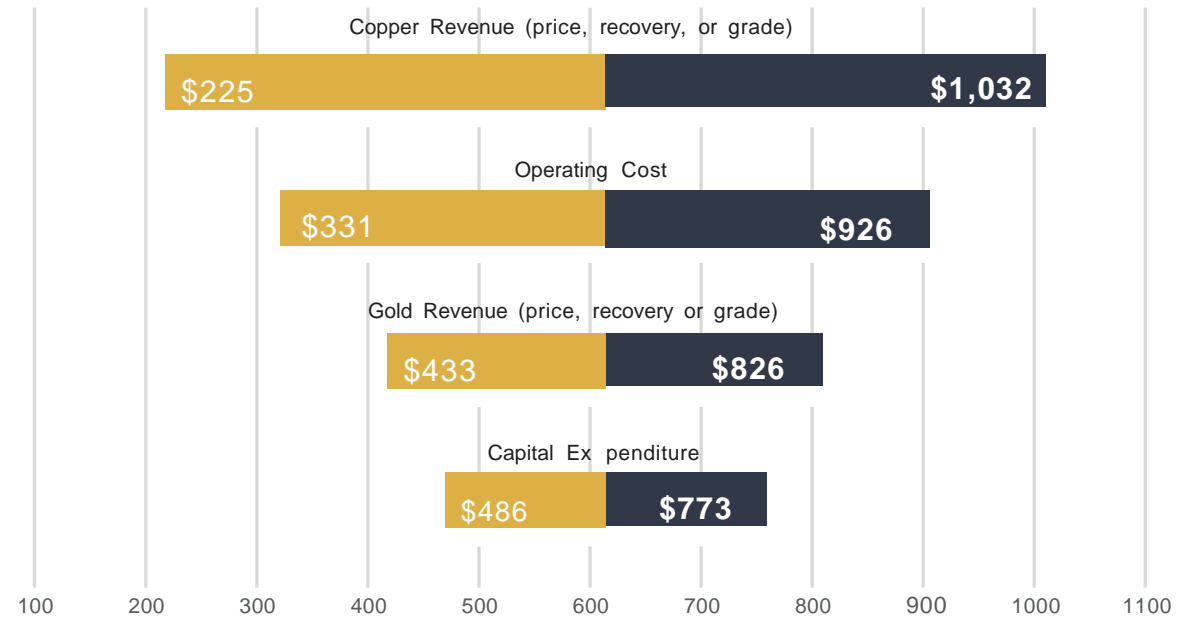
Robust Cash Flows

Positive cash flow across wide range of scenarios

Annual Cash Flow (US\$M)



- Kharmagtai starter mine cash flows funds expansion
- Strong earnings across +/- 20% sensitivity analysis range



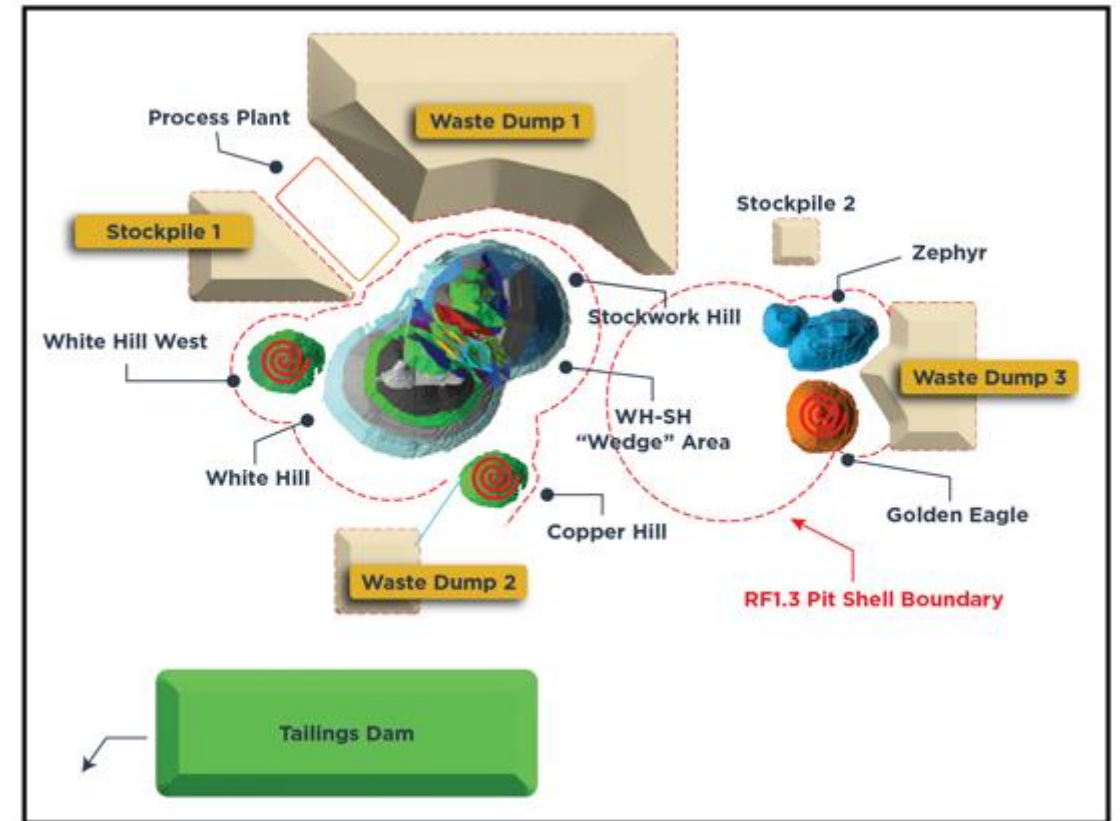
ASX/TSX Announcement 6 April 2022 – Scoping Study Kharmagtai Copper-Gold Project

Simple Site Layout

Plans ahead for future growth

- Low complexity, minimising haul distance
- Tailings dam offsite to south using land features
- Stand off maintained for potential future pit expansion leveraging in pit crush & convey
- To be finalised in PFS

Project Layout

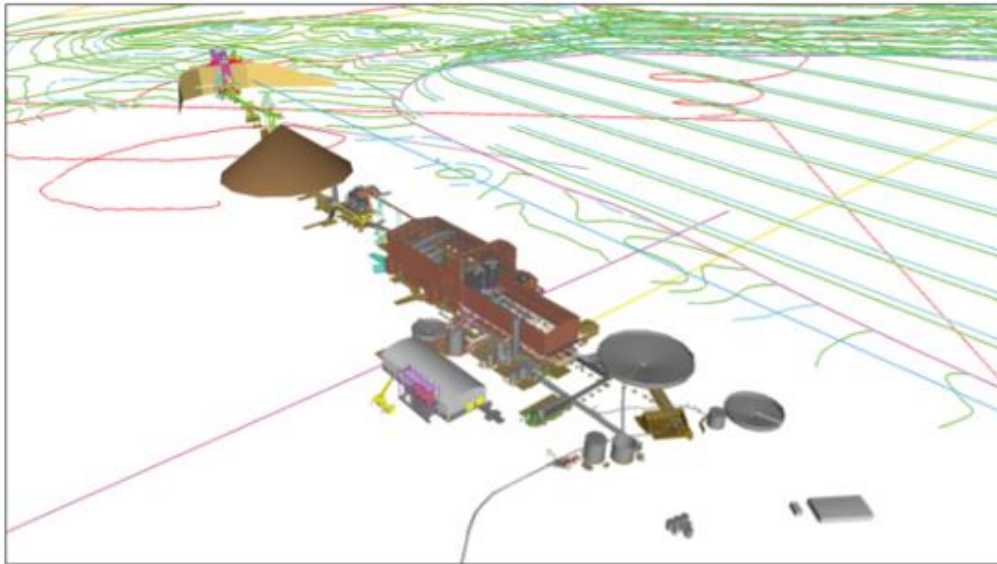


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Sulphide Flotation Process Plant

Conventional, low risk process flow & plant design

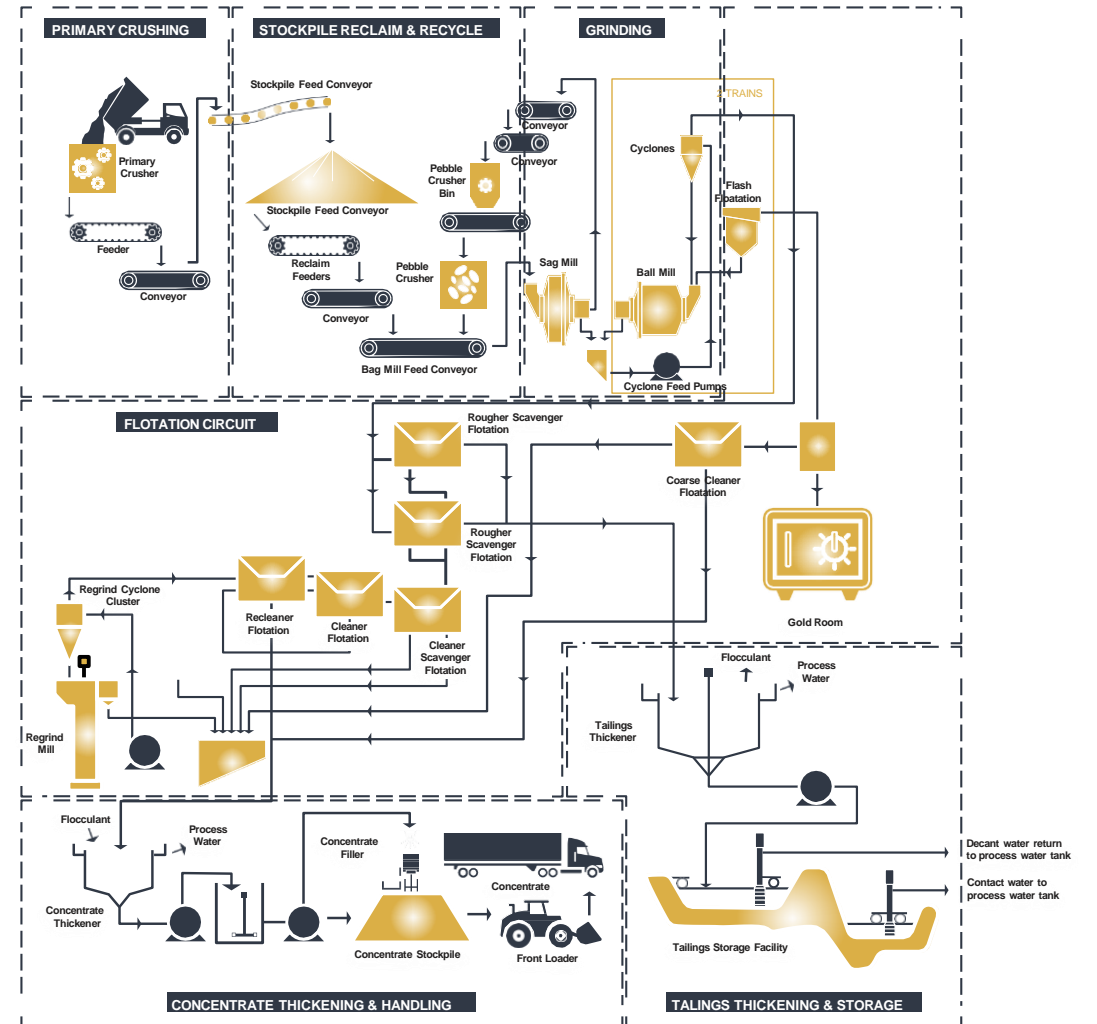
Processing Plant Layout



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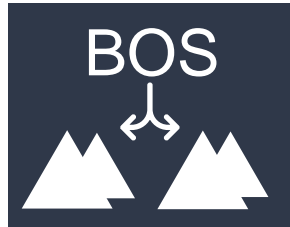
ASX:XAM | TSX:XAM

Process Flow Diagram



Sustainable Minerals Processing Technology is Industry Norm

Bulk Ore Sorting (BOS) & Coarse Particle Recovery (CPR) Reduce Energy & Water Consumption



AngloAmerican Bulk Ore Sorter – BOS

Technologies such as BOS & CPR rapidly becoming business as usual for large scale base & precious metal miners to sustainably achieve **low cost production** & generate **fewer wet tailings**.

Examples¹:

- First Quantum Kansanshi Cu – world's largest 2800tph BOS operating since May 2022
- Newcrest Cadia Cu Au – first full scale CPR operating since August 2018
- AngloAmerican multiple mines – BOS & CPR helping to significantly reduce energy & water consumption, in line with their 2030 Sustainable Mining Plan targets
- Capstone Pinto Valley Cu Mo – CPR pilot plant enabled up to 8% increase in Cu recovery, lower grinding costs, less water & energy consumption and better tailings stability

BOS & CPR minerals processing technologies will be evaluated for Kharmagtai Cu Au PFS

¹ <https://nextore.com.au/worlds-largest-sorting-plant-now-in-operation/>, <https://www.thechemicalengineer.com/features/reducing-the-daily-grind/>, <https://www.angloamerican.com/futuresmart/stories/our-industry/mining-explained/bulk-ore-sorting-and-coarse-particle-recovery-leading-the-way-in-mineral-processing-innovation>, <https://www.mining.com/capstones-pinto-valley-mine-fully-permitted-to-2039/>, <https://skillsing.net/capstone-mining-recent-project-developments/>



Cadia Coarse Particle (Flotation) Recovery – CPR