

RIU Sydney Resources Round-up 2022 Presentation

2 May 2022

ASX Markets Announcement Office
Australian Securities Exchange
Central Park, 152-158 St Georges Terrace
Perth WA 6000

BY ELECTRONIC LODGEMENT

RIU Sydney Resources Round-up 2022 Presentation

Please find attached for release to the market, Xanadu Mines Ltd's Presentation to the *RIU Sydney Resources Round-up 2022*, being held in Sydney from 3 - 5 May 2022.

-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

Delivering on our Promises

RIU Sydney Resources
Roundup Presentation

May 2022

ASX:XAM | TSX:XAM



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.

Kharmagtai Positioned for Development

Proven scale, strong economics & short time to production, and funded

Xanadu delivered its three objectives:

1. **Resource** expanded to 1.1Bt containing 3Mt Cu & 8Moz Au, including >100Mt higher-grade core.
2. **Scoping Study**¹ gates Kharmagtai to PFS with 30-year life; US\$630M NPV (405-850); 4-year payback (4-7) and 20% IRR (16-25%) producing 30-50ktpa Cu and 100-115kozpa Au.
3. **Funding** for Kharmagtai development via strategic partnership with Zijin Mining Group² delivering US\$43M (A\$58M³) across three stages.

Kharmagtai Project Camp



¹ ASX/TSX Announcement 6 April 2022 – Scoping Study – Kharmagtai Copper-Gold Project

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

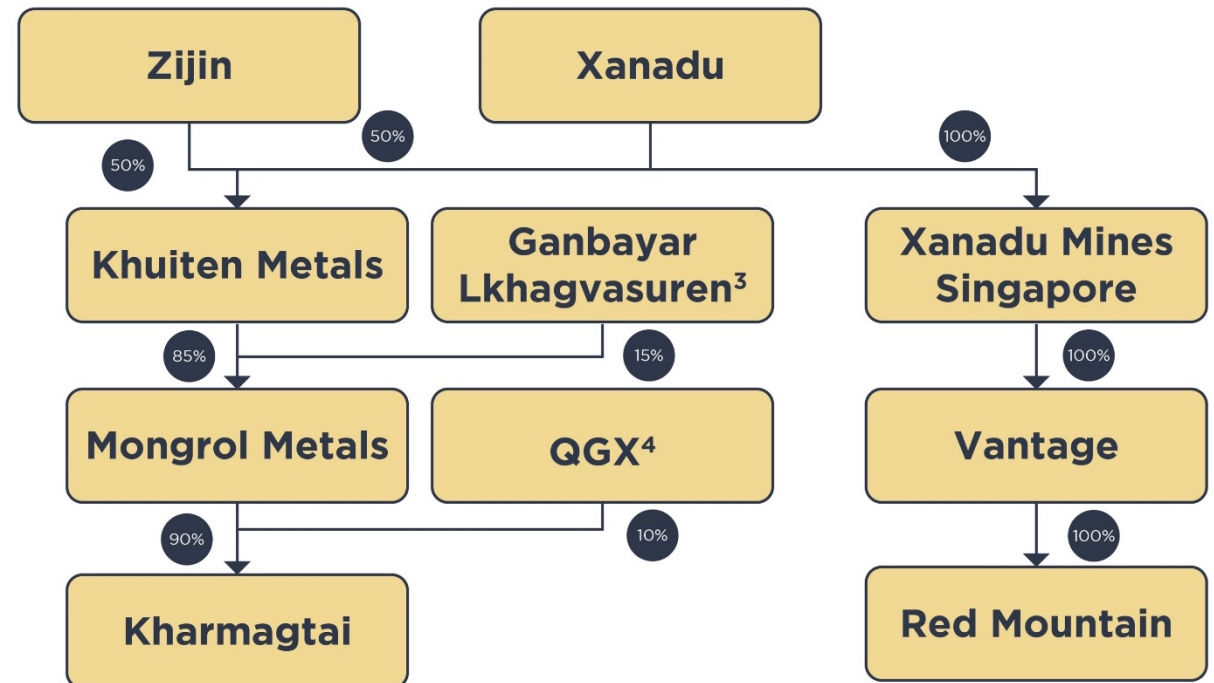
³ Conversion based on AUD:USD = 0.7387 as at 19 Apr 2022 close (transaction announcement date)

Funded via Zijin Strategic Partnership

Three phases of investment² totalling US\$43M¹ (A\$58M¹)

- Phase 1 (completed) raised **A\$5.6M cash** at a 38% premium to Xanadu’s share price to acquire 9.9% minority stake in Xanadu
- Phase 2 will raise a further **A\$5.7M cash** to increase its holding to a 19.99% stake in Xanadu (subject to regulatory and shareholder approval)
- Phase 3 is a **US\$35M cash** investment to acquire 50% of Khuiten Metals and form a **50-50 JV** in the holding company for the Kharmagtai project.
 - US\$20M will be ringfenced to fully fund PFS.
 - US\$15M available to fund exploration for new discovery on Kharmagtai tenement.

Post Deal Structure



¹ Conversion based on AUD:USD = 0.7387 as at 19 Apr 2022 close (transaction announcement date)

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

³ Ganbayar Lkhagvasuren free carry on 5.6% of Mongrol Metals cost until decision to mine

⁴ QGX loan carried until decision to mine

⁵ Effective 38.25% ownership of Kharmagtai by each of Xanadu and Zijin

Zijin Deal Transforms Xanadu

Following completion of Phases 2-3, Kharmagtai funded & Xanadu retains control

- Kharmagtai **funded** through Pre-Feasibility (12-18 months); supported by **solid discovery exploration** budget
- Xanadu well-funded to **explore** Red Mountain and other opportunities
- Xanadu **retains control** of Kharmagtai
 - 50-50 JV in Khuiten Metals controls Kharmagtai
 - Xanadu remains operator of JV
- Change of control in XAM requires a post-deal offer from Zijin, subject to XAM **shareholder approval**
- Implied 100% value of Kharmagtai is **US\$92M (A\$124M⁵** or A\$29/t CuEq MRE) or US\$70M for 76.5%
- Current share price implies a XAM Transaction **Enterprise Value A\$14M⁶**

Before Zijin Transaction

A\$37M

Market Cap at 31/3/22,
A\$0.29/Share

76.5%

XAM ownership of
Kharmagtai

A\$1M

Cash Balance
as at 31/3/22

A\$36M

Enterprise Value
at 31/3/2022

After Zijin Transaction

A\$124M (US\$92M)

Implied 100% value of
Kharmagtai⁵

38.25%

XAM ownership of
Kharmagtai⁴

A\$58M

Cash Injected^{1,2,3}

¹ Cash Injected = (Zijin A\$11M placement) + (Khuiten Metals JV investment of US\$35M for Kharmagtai development)

² Conversion based on AUD:USD = 0.7387 as at 19 Apr 2022 close (transaction announcement date)

³ ASX/TSX Announcement 19 April 2022 – Strategic Partnership with Zijin Mining

⁴ 50-50 JV in Khuiten Metals which holds 76.5% of Kharmagtai = 38.25%

⁵ US\$35M / 38.25% effective ownership = US\$92M

⁶ XAM Transaction Enterprise Value = Market Cap (28 April 2022 A\$44M) – Cash (Phase 2 \$6M + 50% of Phase 3 A\$24M)

Who is Zijin Mining Group?

A global copper & gold mining major

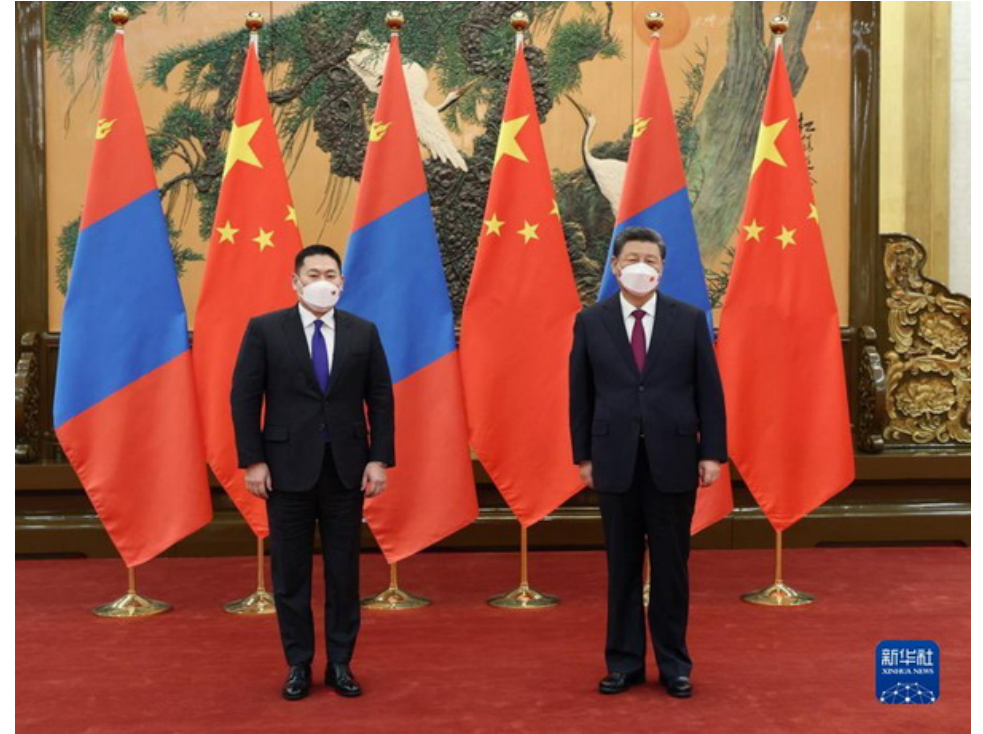
- One of China's largest mining companies with approximately US\$51B market capitalization, listed on Hong Kong and Shanghai exchanges
- Significant copper & gold producer with a diversified upstream & downstream mining portfolio. 2021 mining production 584kt copper, 1.68 Moz gold and 396kt zinc
- Vertically integrated mining, smelter and refinery assets; operating assets in 14 countries across Europe, Central Asia, Africa, Oceania, South America and China
- Proven track record of supporting and investing in mining operations; joint ventures including Kamo-Kakula copper-mine (Ivanhoe) and Porgera gold-silver mine (Barrick)



Mongolia-China Growing Strategic Partnership

Zijin transaction echoes strengthening relationship

- Recent heads of state engagement confirms alignment of Mongolia **New Revival Policy** with **China Belt and Road Initiative** and Five-Year Plan ¹
- Mongolia sees this bilateral relationship as the model for its other global relationships
- Zijin strategic partnership with Xanadu demonstrates this growing inter-country engagement
- Xanadu transaction aligns with the Zijin 2022 Strategy², targeting
 - Large projects with best-in-class resources delivering sustainable growth
 - Responsible, green, high-tech mining
 - Good upside potential and strong synergies
 - Merger and 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

Upgraded Resource at Kharmagtai

Doubled higher-grade zones, key to development

2018 Mineral Resource¹

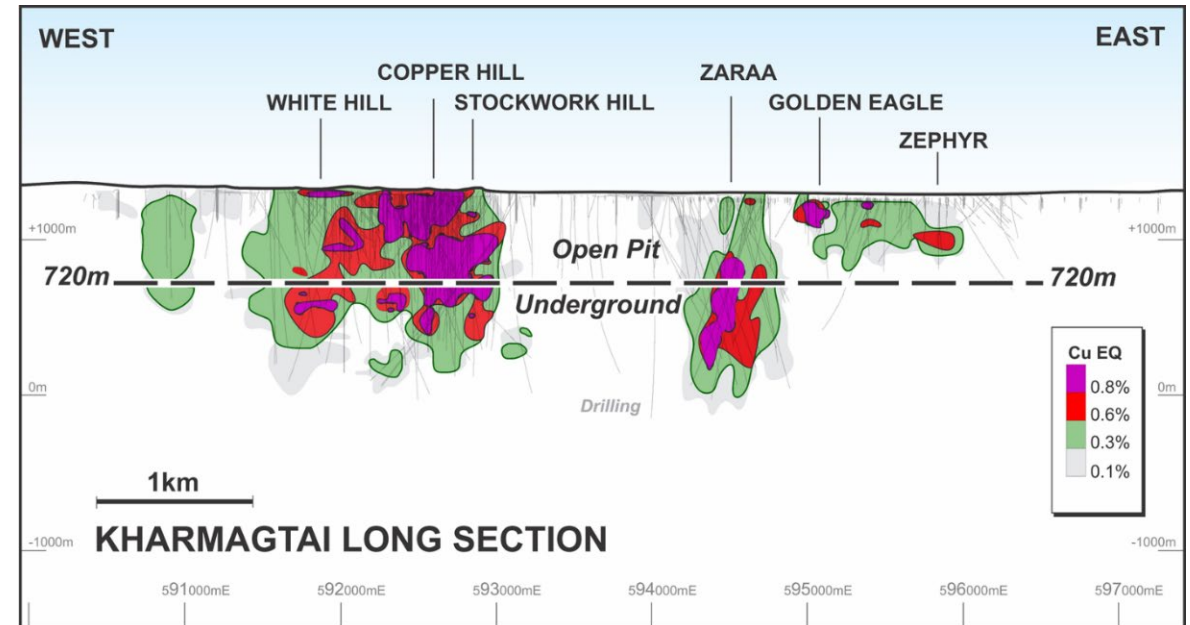
0.6 Bt
2Mt Cu
4Moz Au
56Mt higher-grade core

61,500 Meters Drilling Since 2018



2021 Mineral Resource²

1.1 Bt
3Mt Cu
8Moz Au
100Mt higher-grade core



2022-2023 Drilling

- Approximately 30,000 metres of infill drilling targeted during Pre-Feasibility
- Invigorated exploration and expansion drill program being planned, with rigs ready to go

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

² ASX/TSX Announcement 28 February 2022 – Kharmagtai Technical Report and ASX/TSX Announcement 8 December 2021 – Kharmagtai Resource Grows to 1.1 Billion Tonnes

Robust Scoping Study & Strong Upside Potential

Strong project economics, short time to production¹



Project Timeline

An indicative summary of key expected milestones is summarised as follows

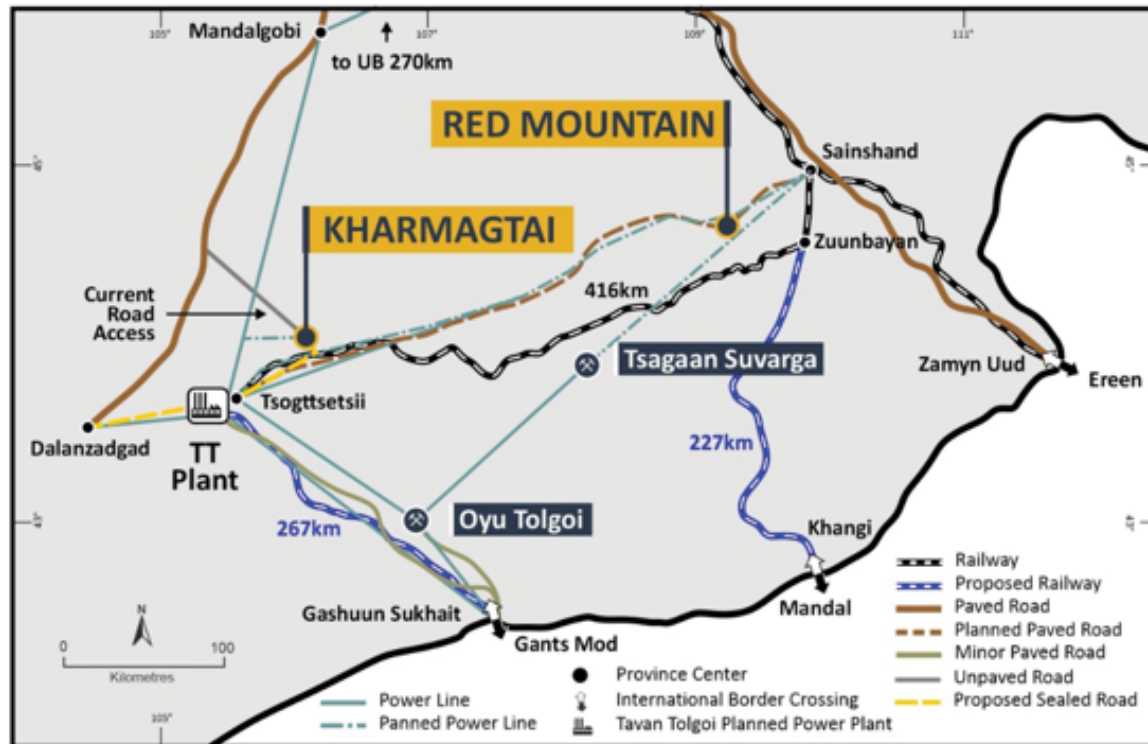


¹ ASX/TSX Announcement 6 April 2022 – Scoping Study Kharmagtai Copper-Gold Project

New Regional Infrastructure

Mongolia investing to develop mining in the South Gobi

South Gobi Regional Infrastructure



Rail and Road Infrastructure

- New rail line commissioned between Sainshand and Tsogttsetsii linking to trans-Mongolia railway
- New sealed road follows rail line
- Further rail planned south to China from Zuunbayan and Tsogttsetsii

Power Infrastructure

- New Tavan Tolgoi power plant being constructed
- Additional power lines linking region to Tavan Tolgoi



Train using South Gobi railway

Favourable ESG Environment

Mongolia is an established and growing mining-driven economy

- ▶ **Pro-mining jurisdiction** - in 2020, mining accounted for 23% of Mongolia’s GDP & 70% of export revenues¹
- ▶ **Significant mining region** - tops Investment Monitor's 2021 Mining Vulnerability Index¹, followed by Zambia & Australia
- ▶ **Stable democratic system** – 30-yr history of democratic elections
- ▶ **Social License to Operate** – enables shorter lead times to production
- ▶ **Excellent infrastructure** - leverage rail, power and water for low-capex intensity development
- ▶ **Ideal location** – flat ground, sparse population, proximate to customers

On the doorstep of the world’s biggest consumer

>60% of Mongolia’s external trade comes from China

China accounts for ~53% refined copper consumption globally in 2020

China consumption of refined copper up 17% yoy to 3.2Mt in Q1 2021



¹<https://investmentmonitor.ai/business-activities/extractive-industries/mongolia-and-australia-among-countries-that-will-suffer-the-most-in-a-mining-downturn>

²Turquoise Hill Resources Ltd. Oyu Tolgoi 2020 Technical Report <https://mrdata.usgs.gov/sir20105090z/show-sir20105090z.php?id=456>

³ASX/TSX Announcement 31 October 2018 – Major Increase in Kharmagtai Open-Cut Resource to 1.9Mt Cu & 4.3Moz Au

Multiple Upside Opportunities

Leverage technology and continue exploration

Oxide Processing

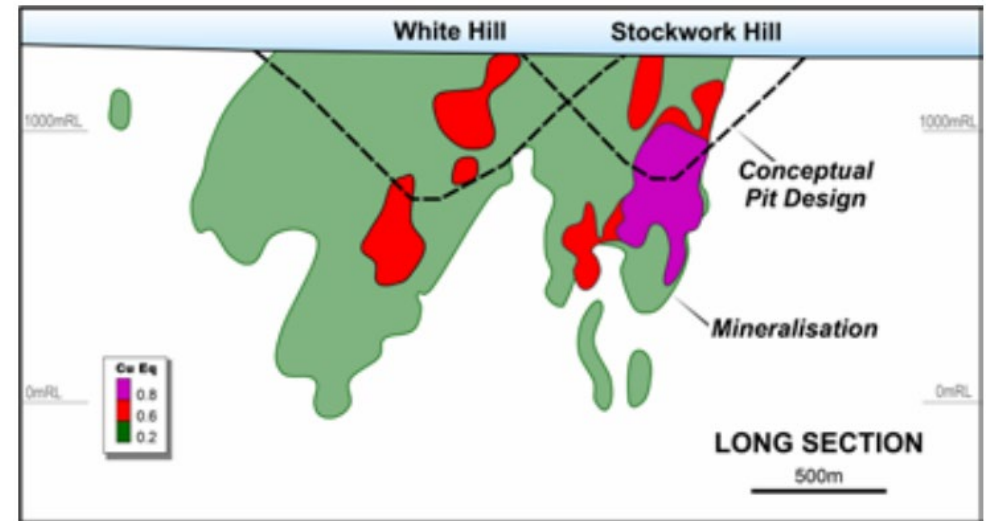
- Scoping Study was based on mining and processing sulphide resource
- 20-30m of outcropping oxide mineralisation above the sulphide resource
- Oxide could be processed to generate early cash flow and offset stripping cost

Technology

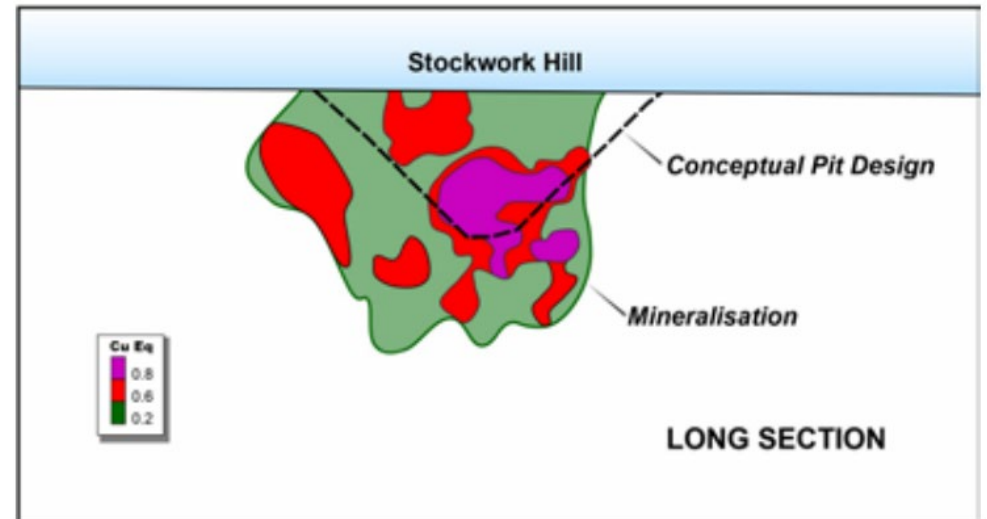
- Scoping Study based on low risk, conventional technology
- Potential beneficiation, coarse particle separation, and ore sorting to optimise mill feed grade & recovery and reduce milling cost
- Potential to use in pit crush and convey to optimize & deepen pits and electrified mining equipment to reduce haulage cost

Exploration Upside

- Kharmagtai Resource remains open in all directions
- Higher-grade bornite mineralisation continues at depth below current pit, as confirmed by deeper drilling at Stockwork Hill
- Several near surface targets across the tenement warrant follow-up drill testing



Kharmagtai Resource within Open Pit in Long Section



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

Exploration Will Continue

Two active projects, seeking a third

Kharmagtai (76.5%)²

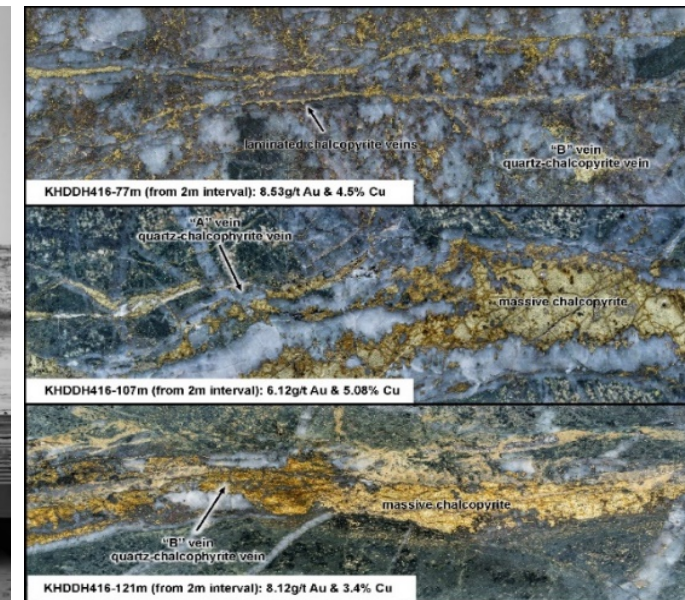
- Porphyry copper-gold
- Open in all directions and across the lease
- Bornite zones expanding at depth
- >20 high priority discovery targets identified for testing

Red Mountain (100%)

- Drill testing near surface copper-silver skarns and epithermal mineralisation
- Follow-up higher grade bornite and massive bornite intersected in 2021
- Large-scale porphyry system potential at depth remains

New Project Generation

- Seeking a third project in the South Gobi
- On ground investigation completed to identify potential new projects



¹ ASX/TSX Announcement 28 September 2021 – New High-Grade Bornite Intersections at Red Mountain

² Will become 38.25% upon completion of 50-50 Joint Venture with Zijin Mining Group

Why Invest in Xanadu?

Exposure to value uplift from both Kharmagtai development and new discovery

The Right Projects

<p>MAJOR COPPER RESOURCE</p>	<p>CLEAR DEVELOPMENT PATH</p>	<p>FUNDING & SUPPORT IN PLACE</p>	<p>MONGOLIA JURISDICTION</p>
<p>Kharmagtai MRE: 1.1Bt containing 3Mt Cu & 8Moz Au, incl. 100Mt @ >0.8% CuEq.¹</p>	<p>Kharmagtai Scoping Study 30-yr mine life, strong economics, conventional mining & processing.² Pre-Feasibility Study to commence in Q3 2022.</p>	<p>Zijin strategic partnership³ investing \$11M into Xanadu and US\$35M into Kharmagtai.</p>	<p>Stable, well-educated democracy. Mining-driven economy with low ESG risk. Established infrastructure.</p>
<p>EXCELLENT LEADERSHIP</p>	<p>AMBITIOUS EXPLORATION</p>	<p>GROWTH POTENTIAL</p>	<p>ESG FOCUS</p>
<p>Highly credentialed Management & Board; track record of discovery & development. World-class Advisory Team.</p>	<p>Kharmagtai continuing exploration for new discovery, parallel with PFS. Red Mountain drill program commencing Q3 2022.</p>	<p>Kharmagtai open in all directions. Red Mountain highly prospective. New project generation.</p>	<p>Operating to highest ESG standards, with strong community engagement. Sustainability Report available on website ⁴</p>

The Right Company

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 ASX/TSX Announcement 1 November 2021 – Sustainability Report 2020

APPENDIX

XANADU MINES



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

Capital Structure Enhanced

Supported by strategic partnership with Zijin Mining

A\$0.034

Share Price
as at 29/4/2022

A\$48M

Market Cap at
A\$0.034/share

A\$41M

Enterprise Value

A\$7M

Cash Balance
as at 31/3/2022, plus
funds received from
Phase 1 Placement with
Zijin Mining¹

1,412M

Share on issue as at
28/4/2022

53% TOP 20
SHAREHOLDERS

INSTITUTIONAL
SHAREHOLDERS

ACA **16%** Zijin **10%** Others **21%**

BOARD AND
MANAGEMENT

7% (on a fully diluted basis, includes 37m shares
& 47m performance options)

Zijin Mining Strategic Partnership¹

A\$11M

Phase 1 & 2 placements in
Xanadu, with Phase 2 subject to
shareholder and regulatory
approvals.

US\$35M

Phase 3 50:50 JV in Kharmagtai
Project (76.5% owned)², subject to
regulatory approvals

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

² Zijin and Xanadu will each have 50% of a holding company that owns 76.5% of Kharmagtai, therefore an effective 38.25% ownership of Kharmagtai

Xanadu Portfolio

Kharmagtai progressing forward; time to fill exploration pipeline

Discover

Kharmagtai (76.5%)

Multiple porphyry copper-gold deposits, open in all directions

Red Mountain (100%)

Target definition and drill testing of skarn and epithermal mineralisation for new discovery

New Project Generation



Define - Kharmagtai

Mineral Resource Estimate

1.1Bt containing 3Mt Cu & 8Moz Au incl. >100Mt higher-grade core.

Scoping Study

30-year life; US\$630M NPV (405-850); 4-year payback (4-7) and 20% IRR (16-25%) producing 30-50ktpa Cu and 100-115kozpa Au



Develop - Kharmagtai

Fully Funded

by strategic partnership with Zijin Minin including 19.99% investment in Xanadu at 38% premium for A\$11M cash and a 50-50 JV project level investment in Kharmagtai for US\$35M cash

Pre-Feasibility Study (PFS)

to commence in 2nd half 2022

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

Kharmagtai – A Development Story

Our flagship project, in a world class copper district

Granted mining licence with 30 yrs tenure & option to extend another 40 yrs

Mineral Resource Estimate

- ▶ 1.1Bt MRE, containing 3Mt Cu & 8Moz Au^{1,2}, including higher grade zone 100Mt @ 0.8% CuEq¹

Scoping Study

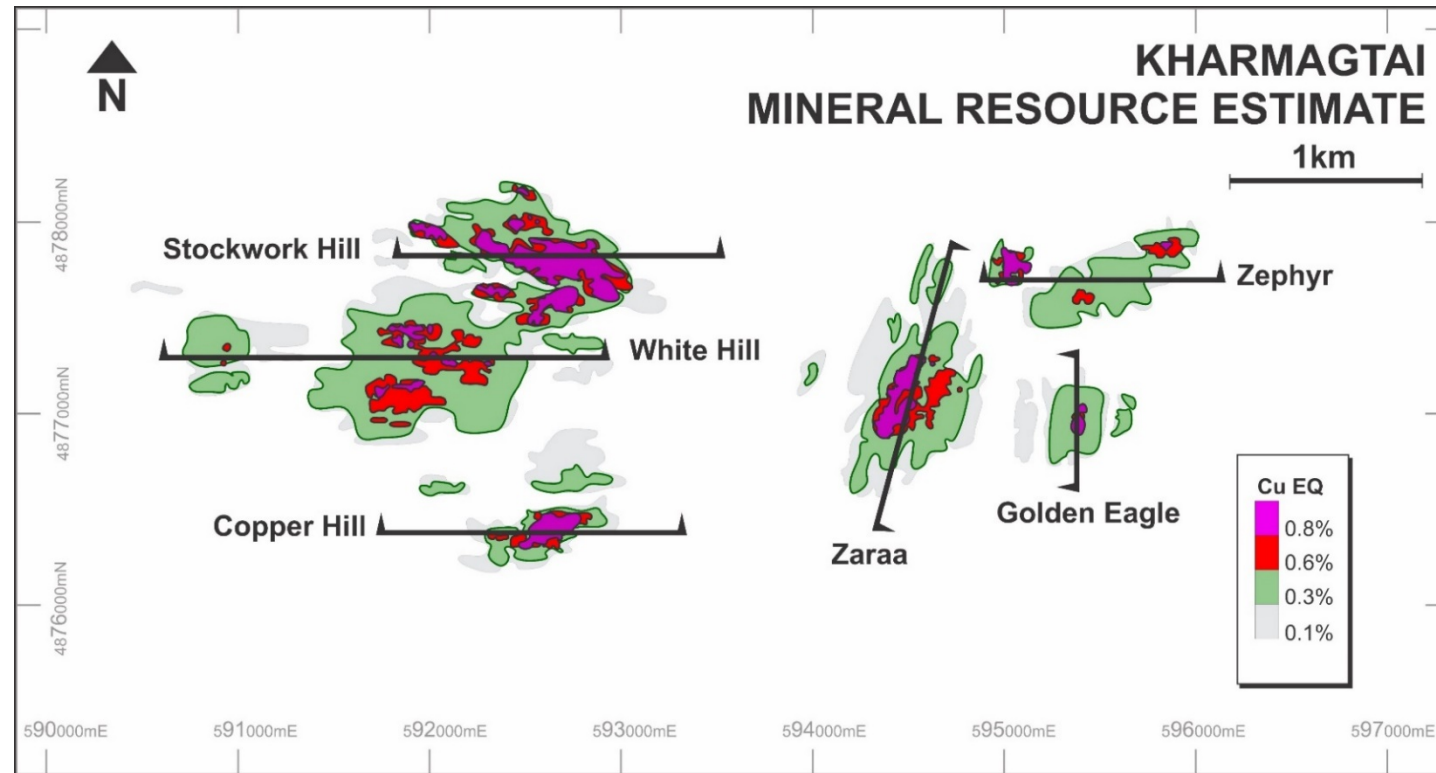
- ▶ 30-year life; producing 30-50ktpa Cu and 100-115kozpa Au; 0.9:1 strip ratio
- ▶ 20% IRR (16-25%); US\$630M NPV (405-850); and 4-year payback (4-7)

Pre-Feasibility Study

- ▶ Fully funded by Zijin strategic partnership

Future Exploration Potential

- ▶ Limited drilling below 400m is untapped opportunity
- ▶ Potential to link porphyry deposits at depth



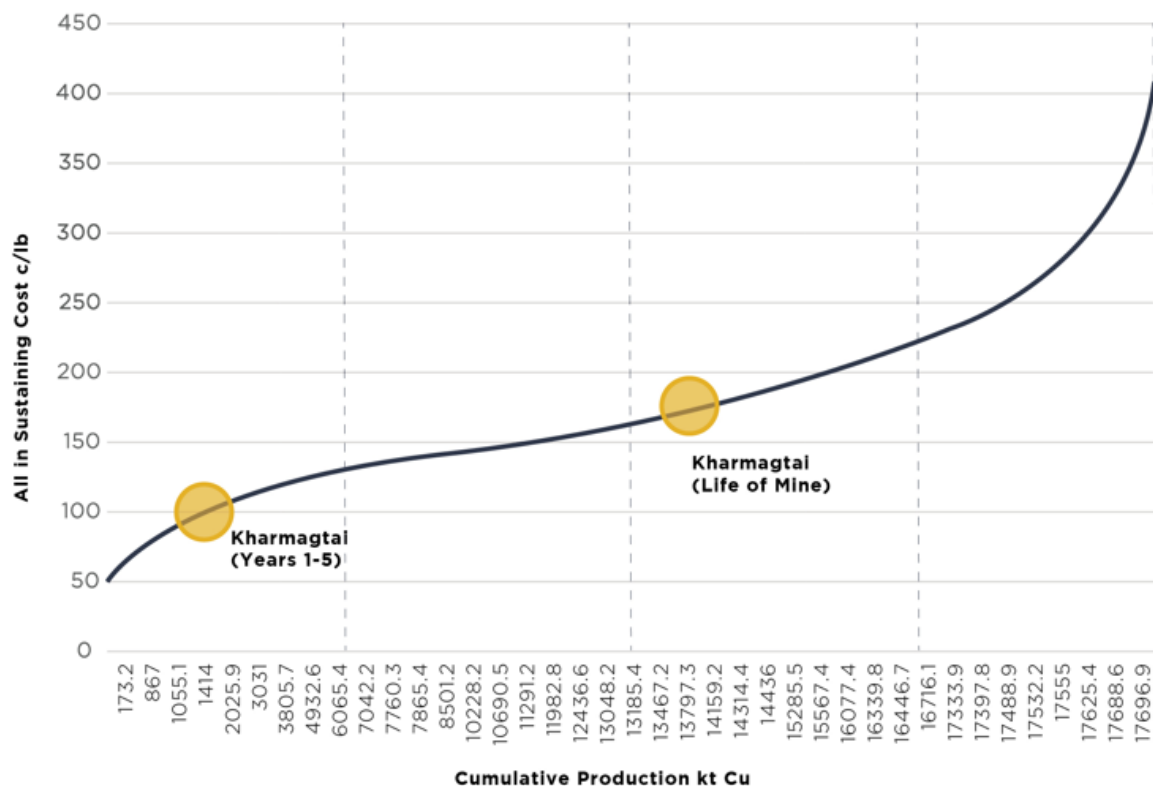
¹ ASX/TSX Announcement 8 December 2021 – Kharmagtai Resource Grows to 1.1Bt containing 3Mt Cu and 8Moz Au

² Global Resource is 42% Indicated and 58% Inferred by tonnes, see Appendix 1 – Kharmagtai Resource

Two Stage Operation, Low Quartile Cost Producer

Low quartile production enabled by gold by-product credits

Xanadu Position on the Cost Curve

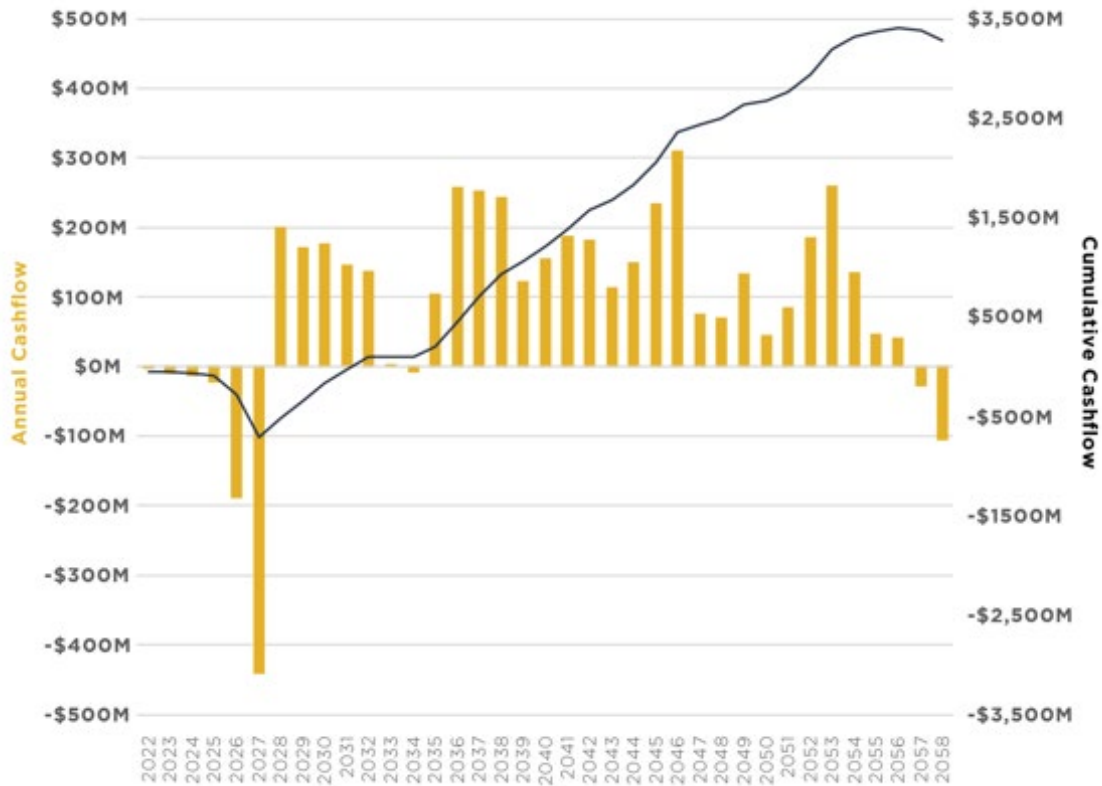


Area	Measure	Unit	Stage 1 Initial	Stage 2 Expansion	LOM
Production	Period	Years	5	25	30
	Ore process rate	Mtpa	15	30	15-30
	Feed from Indicated Resource	%	100%	50%	55%
	Ore processed	Mt	70	690	760
	Average copper grade	%	0.29	0.21	0.21
	Average gold grade	g/t	0.30	0.16	0.18
	Copper produced	Mt	0.2	1.3	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

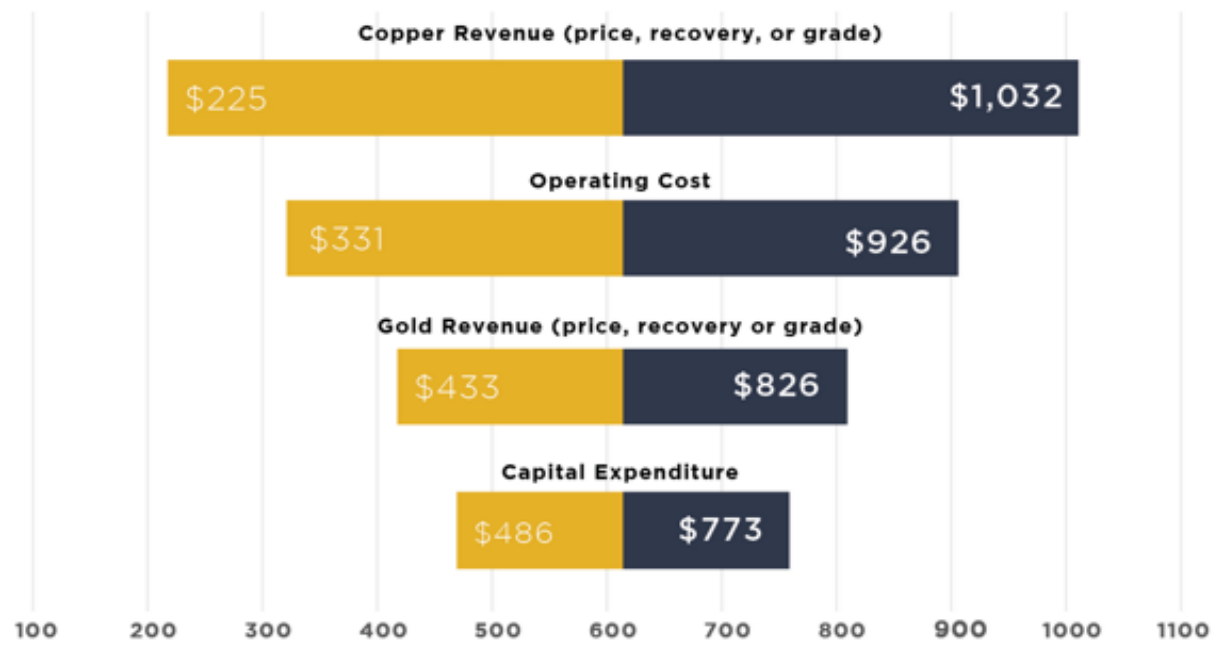
Robust Cash Flows

Positive cash flow across wide range of scenarios

Annual Cashflow (US\$M)



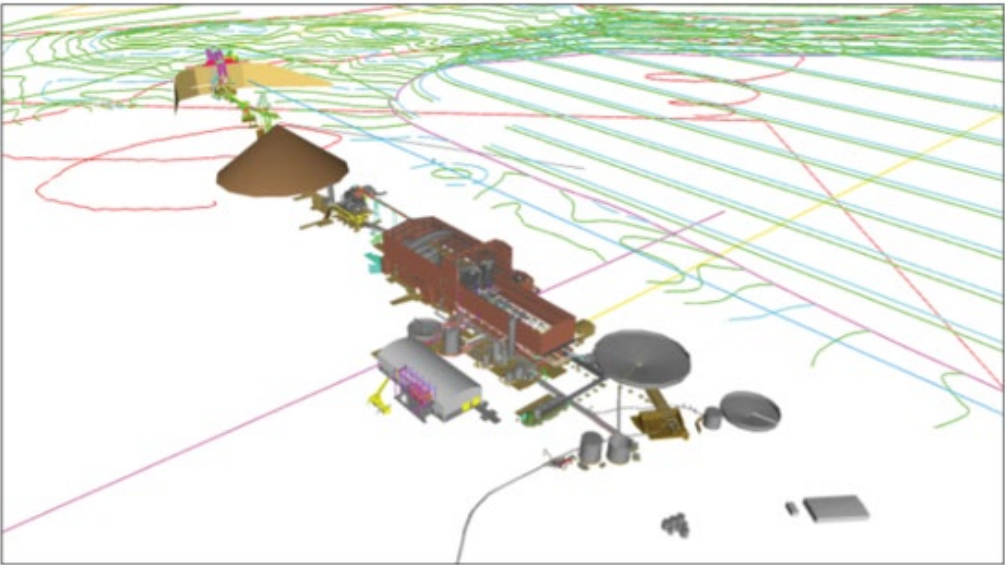
- Phase 1 cash flows fund the Phase 2 expansion
- Strong earnings across +/- 20% sensitivity analysis range



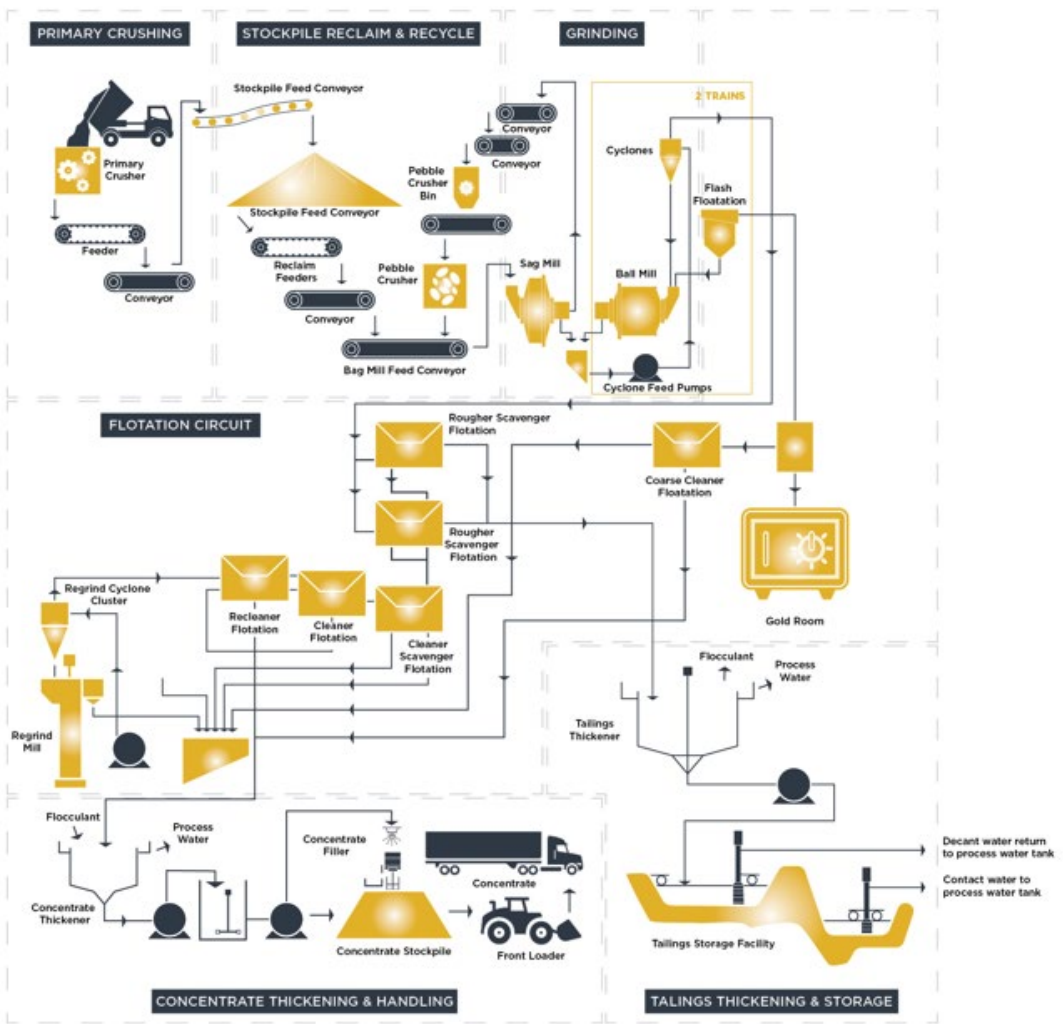
Sulphide Flotation Process Plant

Conventional, low risk process flow and plant design

Process Plant Layout



Process Flow Diagram

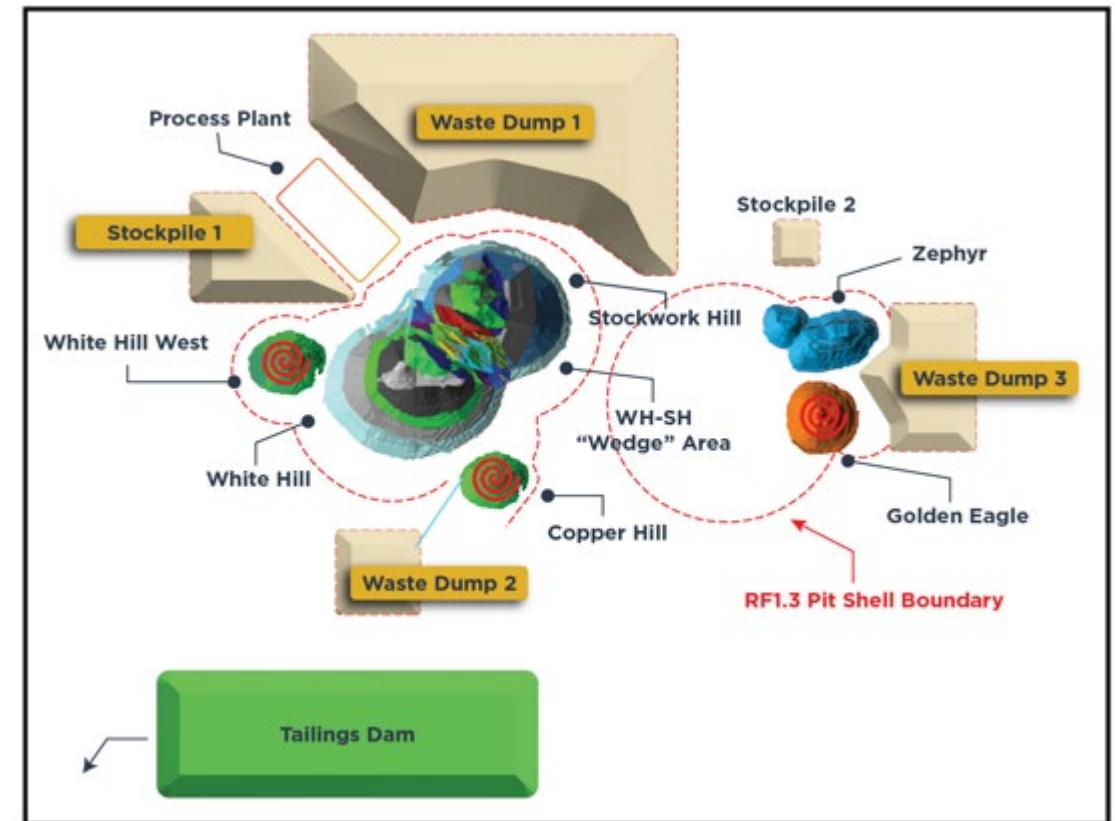


Simple Site Layout

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 and convey
- To be finalised in PFS

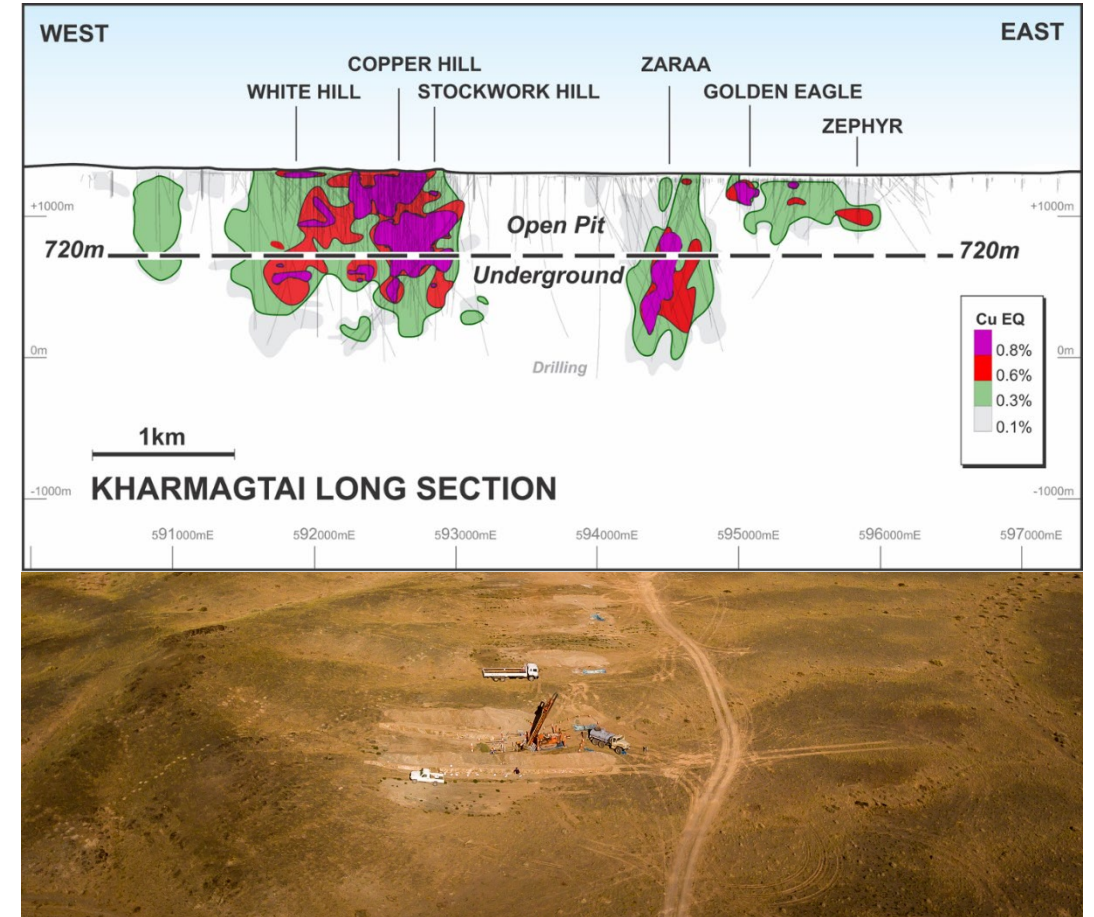
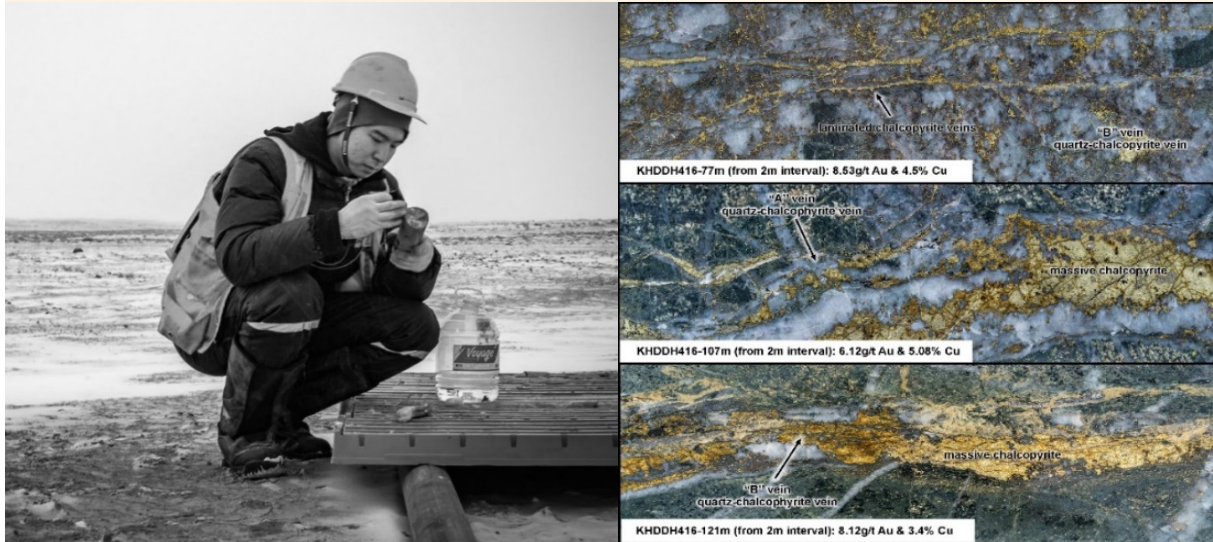
Project Layout



Continued Exploration Targets High-Grade Growth

Strong Growth Upside Beneath Current Bornite Zones

- ▶ Mineralised intrusive indicates still in shallow levels of system
- ▶ Deposits open in all directions, with significant upside at depth¹
- ▶ Bornite zones starting to be uncovered
- ▶ Stockwork Hill – significant expansion upside along edges with high grade blocks still open
- ▶ Zephyr – along strike potential with highest-grade blocks positioned at either end still open



¹ ASX/TSX Announcement 8 December 2021 – Kharmagtai Resource Grows to 1.1Bt containing 3Mt Cu and 8Moz Au

Kharmagtai a Globally Significant Porphyry District

New System Continue to be Unlocked Through Discovery Drilling

EXPLORATION SCORECARD

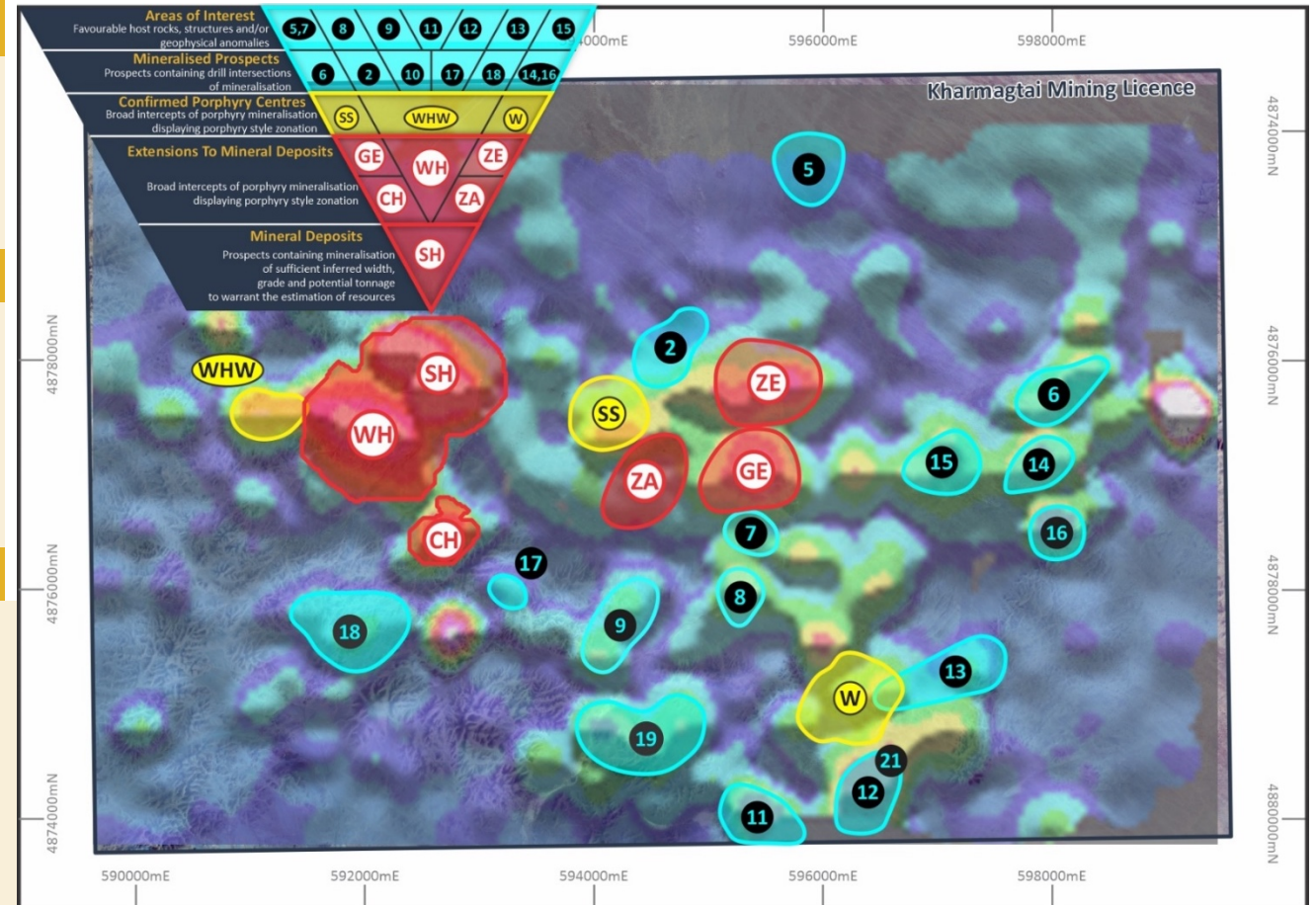
- 5 subsurface discoveries out of 10 prospects drilled
- <\$0.01/lb CuEq discovery cost vs ~\$0.07/lb industry avg¹

DISTRICT CONTINUES TO OPEN UP

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

PORPHYRY DEPOSITS ARE MADE NOT FOUND

- Continued exploration for new systems & new high grade
- 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

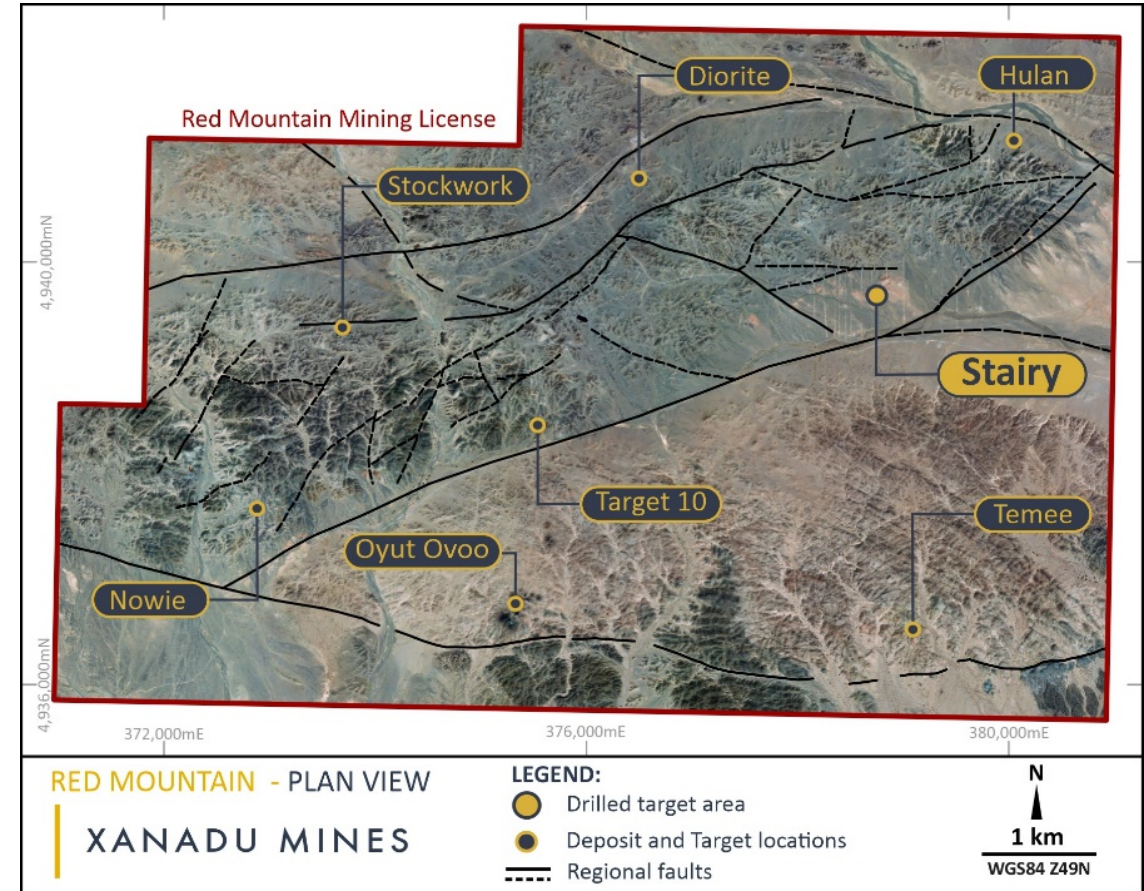


¹ Minexconsulting <https://minexconsulting.com/recent-trends-in-copper-exploration-are-we-finding-enough-2/>

Red Mountain – Targeting Discovery

Early stage & highly prospective

- ▶ Advanced exploration with multiple known targets:
 - Outcropping sulphides at surface, up to 184m width
 - 4 mineralised Cu-Au systems
 - 2 epithermal Au-Ag systems
 - High-grade diamond drill assays, up to 16% CU
- ▶ Located 265km east of Kharmagtai
- ▶ Already has a 30-year extendable mining license
- ▶ Consolidated to 100% ownership in 2021¹
- ▶ Updated exploration strategy to commence in 2022



¹ ASX/TSX Announcement 27 October 2021 – Xanadu Consolidates 100% Ownership of Red Mountain

ESG & Social Licence to Operate

Sustainability Report available on Xanadu website¹



- 100% Mongolian in country team, including Xanadu’s Chief Operating Officer & Country Manager
- University sponsorships & internships for Mongolian students
- Equipment & supply donations to hospitals, schools & families
- Free medical check-ups for local community
- Successfully navigating COVID-19 largely uninterrupted, whilst ensuring safety of our workforce, including vaccines provided to all in country employees



- Operations utilise non-potable water
- Potable water well monitoring & maintenance for community
- Camp upgraded to optimise energy consumption & sewerage handling
- Studies aim for modern, low energy intensity mine, including:
 - Mobile fleet electrification
 - Maximising beneficiation early in production cycle to minimise material movements
 - Conveyor haulage for material movements to surface
 - Green power – using grid power contracts that incorporates Mongolian renewables
 - Rail Haulage for concentrate



¹ ASX/TSX Announcement 1 November 2021 – Sustainability Report 2020

Highly Experienced Directors & Management

XANADU MINES

Track record of discovering & developing large, low-cost porphyry copper-gold mines. Reorganised to reflect Kharmagtai project stage moving to PFS

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DEEP EXPLORATION SKILLS

COMMERCIAL CAPABILITY



Notes



Notes



Notes

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