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ASX/TSX ANNOUNCEMENT

By electronic lodgement | Page 1 of 1

Webinar Presentation - Kharmagtai PFS Outcomes

14 October 2024

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

Webinar Presentation - Kharmagtai Pre-Feasibility Study Outcomes

Please find attached for release to the market, Xanadu Mines Ltd's Webinar Presentation - Kharmagtai Pre-Feasibility Study Outcomes.

-ENDS-

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About Xanadu Mines

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 jointly control a globally significant copper-gold deposit in our flagship Kharmagtai project. Xanadu holds a 50-50 JV share with Zijin Mining Group in Khuiten Metals Pte Ltd, which controls 76.5% of the Kharmagtai project.

For information on Xanadu visit: www.xanadumines.com.

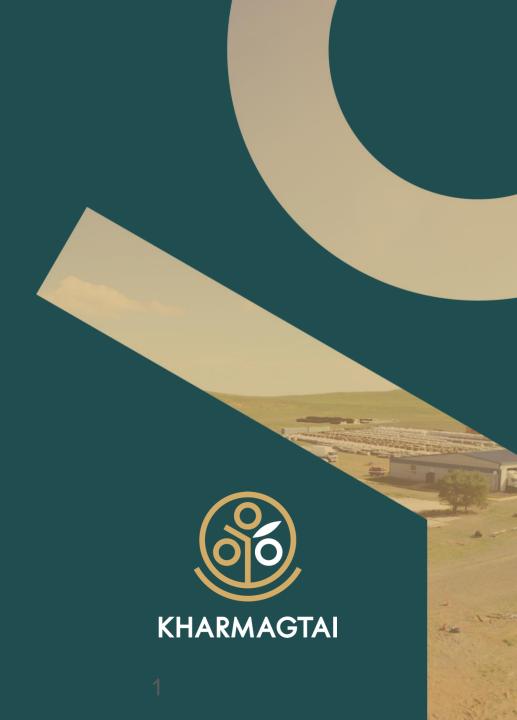
This Announcement was authorised for release by Xanadu's Executive Chairman and Managing Director.

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Derisked, Near Term Copper Production

Pre-Feasibility Study Outcomes

October 2024 | ASX:XAM TSX:XAM



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Cautionary Statements

This Presentation includes information extracted from the Company's ASX announcement dated 14 October 2024 titled Kharmagtai Pre-Feasibility Study and 14 October 2024 titled Kharmagtai Resource & Reserve. For the production targets and forecast financial information for the Project comprise Indicated Mineral Resources (approximately 73%) and Inferred Mineral Resources (approximately 27%). The Company has concluded that it has reasonable grounds for disclosing a production target which includes the foregoing amount of Inferred Mineral Resources, including on the basis that the Inferred material has been scheduled such that less than 11% of the ore mined in the first 8 years is in the Inferred category, with the remainder mined through the life of mine. The Inferred Mineral Resource does not have a material effect on the technical and economic viability of the Kharmagtai Project. Accordingly, Xanadu has concluded that it is satisfied that the financial viability of the development case modelled in the PFS is not dependent on the inclusion of Inferred Mineral Resources early in the production schedule given an estimated payment period (from commencement of production) of less than 4 years. 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. Further drilling is planned with the aim of converting Inferred Mineral Resources to Indicated Mineral Resources as well as continued exploration where the deposits are open at depth and along strike.

Reliance on Third Party Information

The views expressed in this Presentation contain information that has been derived from third party sources that have not been independently verified. No representation or warranty is made as to the accuracy, completeness or reliability of the information.

Mineral Resource Reporting Requirements

As an Australian company with securities quoted on the Australian Securities Exchange (ASX), the Company is subject to Australian disclosure requirements and standards, including the requirements of the Corporations Act and the ASX. Investors should note that it is a requirement of the ASX Listing Rules that the reporting of mineral resources in Australia is in accordance with the JORC Code and that the Company's mineral resource estimates comply with the JORC Code. The requirements of the JORC Code differ in certain material respect from the disclosure requirements or other countries. The terms used in this announcement are as defined in the JORC Code. The definitions of these terms may differ from the definitions of such terms for the purposes of the disclosure requirements in other countries.

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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', 'extimate', '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 outcomes indicated in the Pre-Feasibility Study, funding of in the order of an approximately US\$400 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 Kharmagtai, 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.

This presentation has been authorised for release by the Board of Xanadu Mines Limited.

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Section 1 Executive Summary



PFS Highlights

Realising maximum value from the **globally significant** Kharmagtai Project

Globally Significant Production Profile

Average annual production of 75kt copper and 165koz gold over a 29-year LOM

Strong Investment Returns

Post-Tax NPV of US\$930m, Post-Tax IRR of 21% and payback period of 4 years

Funding De-risked

Zijin JV affords Xanadu multiple avenues to realise value from its 38.25% stake in Kharmagtai

Low-Cost Operation

First quartile C1 cash cost of \$0.70/lb copper for Stage 1

Simple, Proven Approach

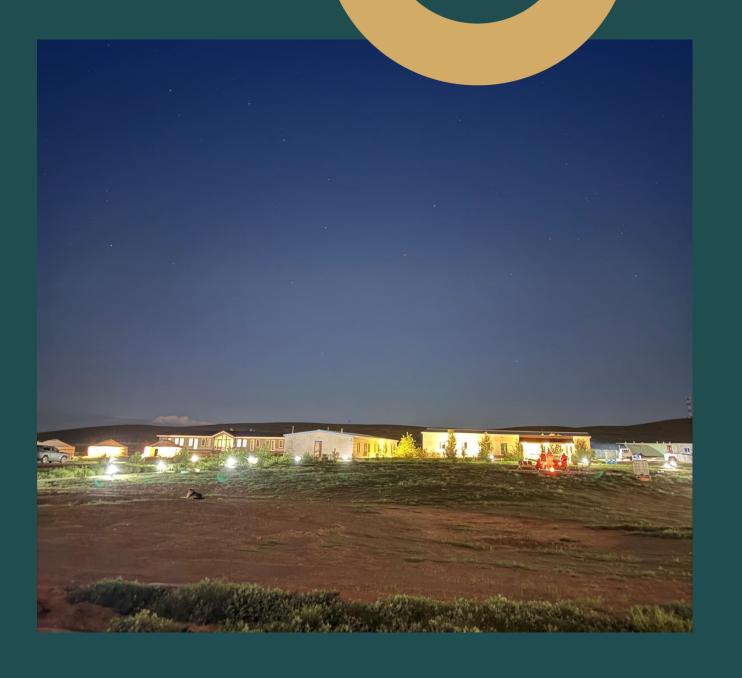
Open pit operation, low strip ratio, conventional sulphide flotation process, augmented by gravity and CIL to increase gold recovery

Next Steps

Mongolian Feasibility Study and DEIA approvals on track for CY25, BFS to commence in early CY25. Construction targeted mid-CY26 subject to FID & approvals



Section 2 Kharmagtai Asset Overview and PFS Outcomes



Project Summary





Project Description

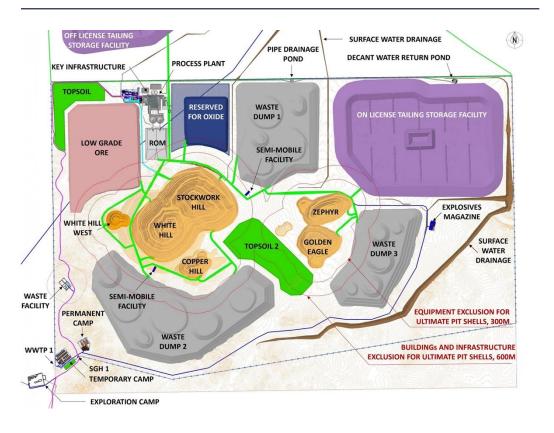
- Located only 120km north-west of Rio Tinto's Oyu Tolgoi mine (moving to 500ktpa copper production), Kharmagtai is proximal to supporting infrastructure, water resources, a skilled workforce and end markets
- Kharmagtai PFS has focused on a staged ramp-up to realise a 75ktpa copper and 165kozpa gold production profile over 29 years
- Mining schedule optimised to maximise early ore flow, exploit grade variability and reduce working capital requirements; mineralization at surface reduces strip
- · Simple metallurgical process producing high-quality, gold-rich concentrate
- · Granted mining licence with 30-year tenure with an option to extend another 40 years

Kharmagtai Project Mineral Resource Estimate & Ore Reserve

Mineral		Grades			Contained Metal			
Resource Classification	Tonnes (Mt)	CuEq (%)	Cu (%)	Au (g/t)	CuEq (Mlbs)	CuEq (kt)	Cu (kt)	Au (koz)
Indicated	1,300	0.30	0.22	0.17	8,800	4,000	2,900	7,100
Inferred	900	0.28	0.21	0.13	5,600	2,500	1,900	4,000
Total	2,200	0.29	0.21	0.15	14,400	6,500	4,700	11,000

Ore Reserve Classification	Dry Tonnes (Mt)	Copper Grade (%)	Gold Grade (g/t)	Insitu Copper ('000 t)	Insitu Gold ('000 oz)
Proved	0	0	0	0	0
Probable	730	0.21	0.17	1,600	4,000

Kharmagtai Project



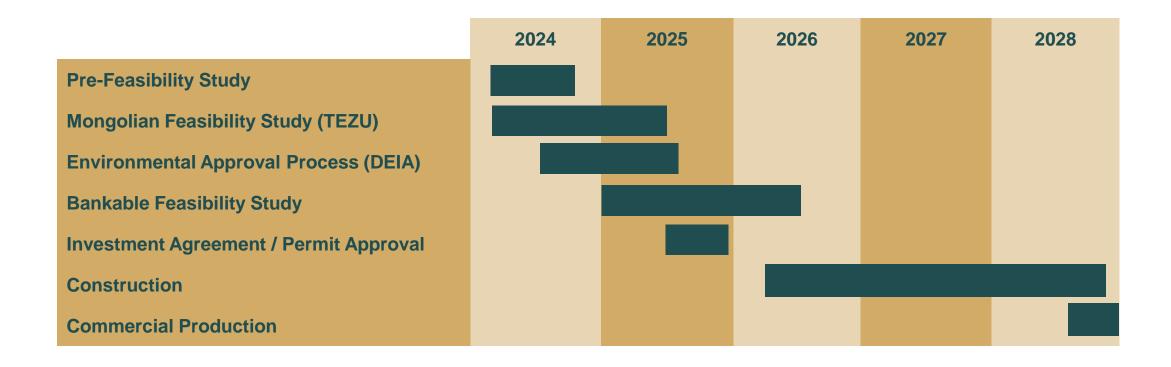
KHARMAGTAI PE

Clearly Defined Timeline





Aiming for first production in 2028



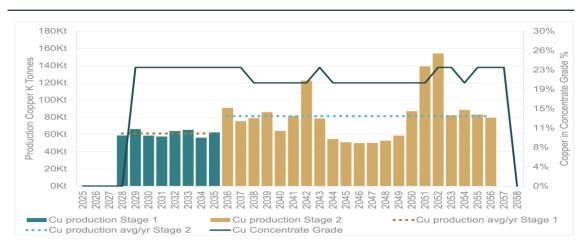
PFS Overview - Economics



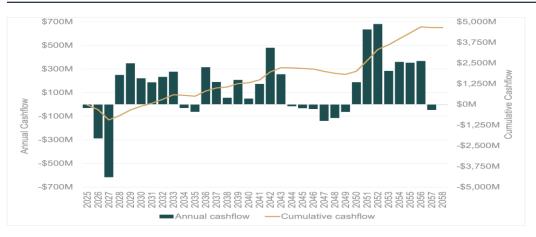
Key Economic Metrics

Measure		PFS Low	PFS Base	PFS High	Spot	Scoping
ivieasure		Case	Case	Case	Prices	Study
Life of Mine (LOM)	Years		29			30
LOM EBITDA	US\$m	7,400	8,500	9,500	12,500	6,770
Annual Cu Production	kt		75	l		49
Annual Au Production	koz		165			
Pre-Production Capex	US\$m	930	890	840		690
Post-Tax NPV(8%)	US\$m	450	930	1,220	1,880	630
Post-Tax IRR	%	14%	21%	25%	31%	20
LOM AISC	US\$/lb		1.90	l		1.87
LOM C1 Cost	US\$lb		1.30			1.35
Copper Price	US\$/lb	3.69	4.10	4.51	4.52	4.00
Gold Price	US\$oz	2,210	2,100	1,990	2,658	1,700

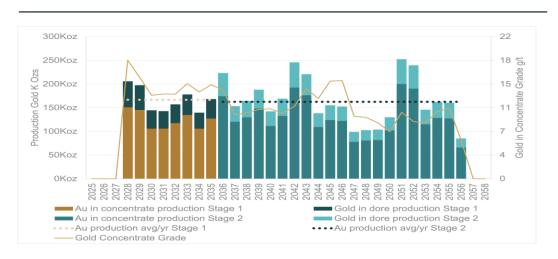
Annual Copper Production (kt)



Annual Free Cash Flow (A\$M)



Annual Gold Production (kt)



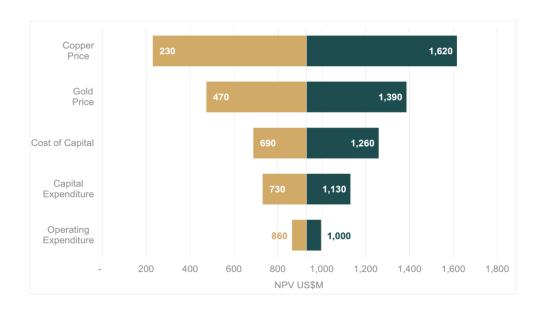
Presented in 100%-ownership terms. Xanadu's interest in Kharmagtai is 38.25%.

PFS High and Low Cases are shown to demonstrate potential variances in different economic scenarios: Low = economic slowdown high inflation copper price (-10%), gold price (+5%), and capex (+5%), 2) High = inverse scenario and assumptions. Spot prices dated 4 October 2024



NPV Sensitivities (+/-20% parameter changes)

PFS Overview - Economics



NPV Sensitivities Royalty and Cost of Capital

Sensitivities	Unit	High Royalty with High Metals Prices (+10%)	PFS Base Case	Low Royalty & Base Case Metals Prices	Low Cost of Capital & PFS Base Case	2022 PEA
Net Revenue	\$M	30,700	27,900	27,900	27,900	16,100
EBITDA	\$M	8,700	8,500	9,100	8,500	6,800
Post-Tax Net Cash Flow	\$M	4,800	4,600	5,100	4,600	3,400
Post-Tax NPV (8% discount)	\$M	1,020	930	1,070	1,650	630
Post-Tax IRR	%	22%	21%	22%	21%	20%
Post-Tax Capital Payback Period	yr	4	4	4	4	4
Pre-Tax Net Cash Flow	\$M	6,500	6,300	6,900	6,300	4,900
Pre-Tax NPV (8% discount)	\$M	1,520	1,400	1,580	2,350	1,030
Pre-Tax IRR	%	29%	27%	29%	27%	25%
Pre-Tax Capital Payback Period	yr	3	3	3	3	3

Sensitivity Assumptions	Unit	High Royalty & High Metals Prices	PFS Base Case	Low Royalty & Base Case Metals Prices	Low Cost of Capital & PFS Base Case	2022 PEA
Discount Rate	%	8.0%	8.0%	8.0%	5.0%	8.0%
Royalty Rate	%	20.0%	8.4%	5.0%	8.4%	5%
Cu price	\$/lb	4.51	4.10	4.10	4.10	4.00
Au price	\$/oz	2,310	2,100	2,100	2,100	1,700

PFS Overview – Resource & Mining

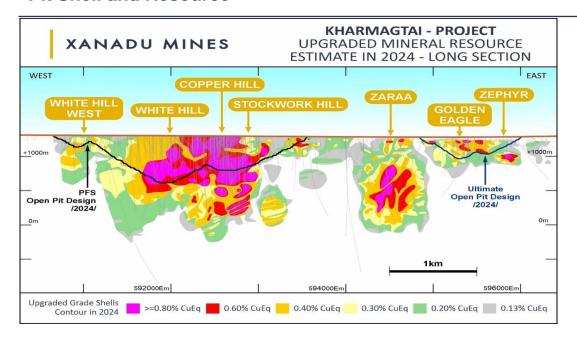




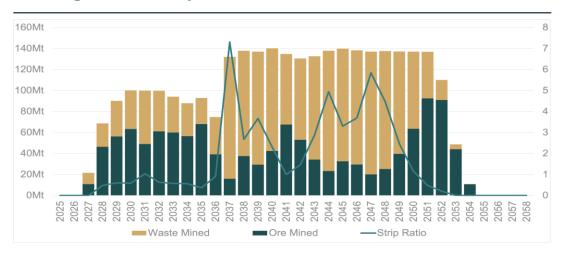
Mining Overview

Measure		PFS	Scoping Study
Waste Mined (inc. pre-strip)	Mt	1,780	840
Ore Mined	Mt	1,270	760
Strip Ratio	Waste:Ore	1.4:1	1.1:1
% Indicated Mined	%	73%	55%
% Resource Mined	%	62%	68%

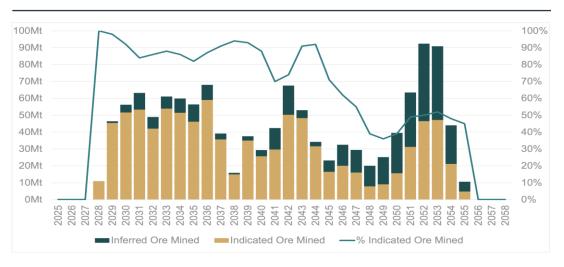
Pit Shell and Resource 1



Mining Schedule by Ore vs Waste



Mining Schedule by Resource Category



PFS Overview - Processing





Processing Overview

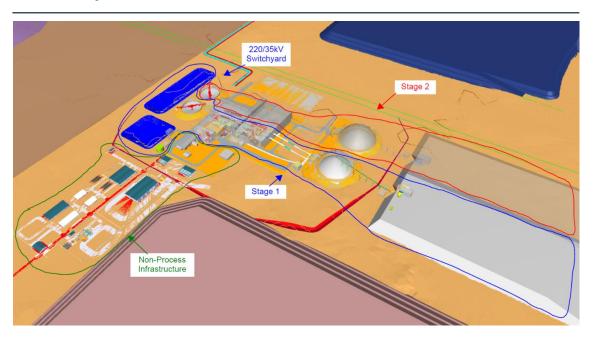
Measure		PFS	Scoping Study
Ore Processed	Mt	1,270	760
Avg. Cu Grade Processed	%	0.21%	0.21%
Avg. Au Grade Processed	g/t	0.15	0.18
Concentrate Produced	kt	10,200	5,900
Avg. Concentrate Production	ktpa	310	200
Concentrate Cu Grade	%	22%	25%
Concentrate Au Grade	g/t	11	11
Cu Produced	Mt	75	50
Au Produced	Moz	165	110

Recoveries

Flowsheet Component	Recove	ry Rate	Tailings Waste		
Flowsheet Component	Copper	Gold	Copper	Gold	
Gravity circuit	-	10%			
Flotation	82%	63%			
Rougher Tailings			11%	16%	
Carbon In Leach	-	7%			
Leach Tailings			7%	4%	
Total Recovery	82%	81%			

Parts may not sum to total due to rounding

Plant Layout



Water Access

- Following a hydrological drilling program¹ for the PFS confirming a large aquifer; further works will be undertaken in 2025 for balance of Stage 1 and Stage 2 water requirements
- The Feasibility Study water program will incorporate further drilling and pump testing to establish and register reserves with extraction permits, along with commercial engagement with existing regional water reserve holders
- Longer term water is derisked by Government Kherlen-Toono water pipeline program

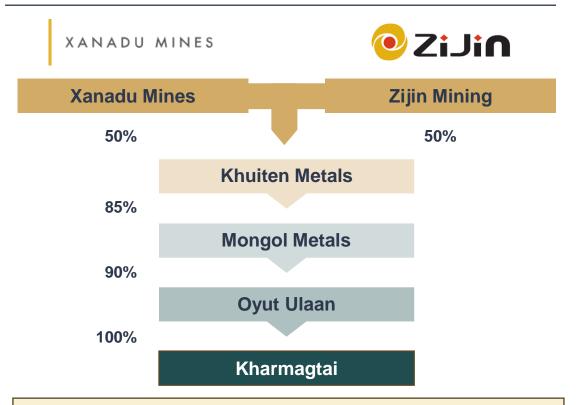
Zijin Strategic Partnership





Xanadu retains optionality with its Zijin Strategic Partnership

Partnership Structure



Zijin is one of the largest metals mining company in the world and is targeting production of over 1.5Mt of copper by 2028, a 50% increase from 2023 production levels

Strategic Partnership Process

Zijin Mining's strategic partnership with Xanadu has come through three phases of investment:

- **1. April 2022:** Placement to raise ~A\$5.6 million and providing Zijin with a 9.9% shareholding in Xanadu
- 2. March 2023: Placement to raise ~A\$7.2 million and providing Zijin with a 19.4% shareholding in Xanadu
- **3. March 2023:** Creation of a 50/50 JV, Khuiten Metals, that holds a 76.5% effective interest in Kharmagtai. Zijin has invested US\$35.0 million in the JV to fund the Kharmagtai PFS and exploration until September 2024

Strategic Partnership Outcomes

Following the 18-month PFS, Xanadu has the option to:

- 1. Exercise a six-month put option to sell its 50% share of the Phase 3 JV (interest in Khuiten Metals) to Zijin for US\$50 million;
- 2. Exercise a six-month put option to sell half of its share of the Phase 3 JV (25%) to Zijin for US\$25 million plus a loan carry for Xanadu's remaining ~19.1% share of costs until commercial production at Kharmagtai; or
- 3. Elect to fund its share of the project construction

Alternative outcomes for Xanadu include a takeover or scheme of arrangement with Zijin or a third party

Section 3 Corporate Overview



Corporate Overview

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Well-funded Company and Project JV, led by an experienced Board and Management team

Capitalisation and Shareholder Register

ASX Ticker		XAM
Share Price	A\$/sh	\$0.078
Shares Outstanding	Msh	1,716
Unquoted Securities	Msh	125
Market Capitalisation	A\$m	\$134
Net Cash	A\$m	\$5
Enterprise Value	A\$m	\$113



Board and Management



Colin MoorheadExecutive Chairman
& Managing Director



Munkhsaikhan (Mugii) Dambiinyam Chief Operating Officer

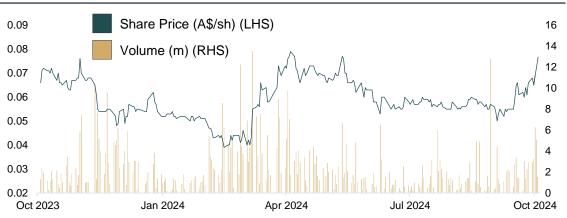


Ganbayar Lkhagvasuren Country Manager & Executive Director



Andrew Stewart
Vice President Exploration

12 Month Share Price Performance



R

Michele Muscillo Non-executive Director



Mat Brown Chief Geologist



Tony Pearson
Non-executive Director



Spencer Cole
Chief Development Officer
Chief Financial Officer



Shaoyang Shen Non-executive Director (Nominated by Zijin)



Guodong Yu General Manager, Kharmagtai Project (as of 10 September 2024)

KHARMAGTAI PF

Country and Asset Overview

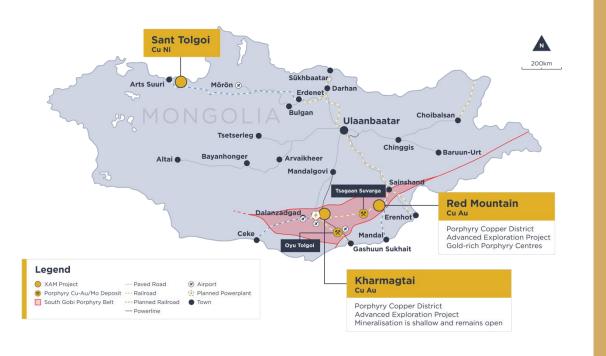




An emerging mining jurisdiction supported by an extensive, existing infrastructure network

Why Mongolia?	
Prospectivity	The right rocks with some globally significant discoveries, yet remains largely underexplored
Develop-ability	Sparse population and wide-open spaces with excellent infrastructure (especially in South Gobi)
Mining Culture	Stable democracy with high education and training standards with mining representing 25% of GDP and 90% of exports
Location	On China's doorstep (#1 global copper consumer) with excellent infrastructure existing and planned
Local Expertise	Xanadu has deep knowledge, understanding and experience of the geology and demonstrated ability to operate to high ESG standards in Mongolia

Xanadu's Asset Base



Section 4 Exploration

Exploration Portfolio



Exploration Portfolio





Xanadu continues to invest in exploration, with the aim of building a portfolio of Tier 1 assets

Sant Tolgoi (Cu-Ni)

 Xanadu has the right to earn up to an 80% interest in two exploration licences, XV-17774 (Oyut) and XV-21887 (Sant Tolgoi), located in the Zavchan Province of western Mongolia. The Terms of the Agreement are:¹

Stage 1 Farm-in

 Xanadu can earn a 51% interest in the Project by spending US\$1.0 million on exploration over 24 months (from January 2024).

Formation of Joint Venture

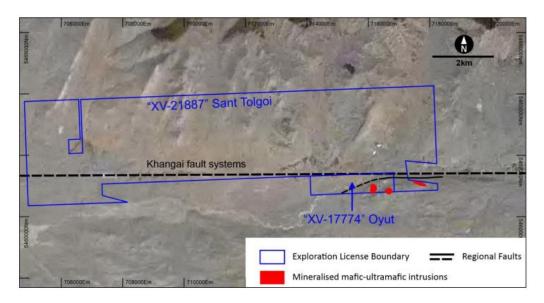
 Once Xanadu has earned a 51% interest in the Project, STSM LLC (the owner of the Project) can elect to end the farm-in and form a Joint Venture (JV), with Xanadu holding 51% and STSM 49% and each contributing pro rata to their share in the JV with Xanadu being the manager of the JV.

Stage 2 Farm-In

 Xanadu may earn a further 29% interest in the Project by sole funding a further US\$10.0 million on exploration, prior to transferring the exploration license to a mining lease.

Stage 3 Farm-In

 STSM LLC shall contribute their pro rata share (20%) of further exploration expenditure. STSM may negotiate a loan from Xanadu to fund their share of exploration spending.



- Sant Tolgoi is considered highly prospective for magmatic intrusion-related Copper-Nickel systems
- Field operations commenced in 2024 with the aim of identifying high-grade sulphide mineralisation
- High-resolution magnetic, gravity and CSAMT surveying modelling underway
- Geological mapping and geochemical sampling underway with results expected in Q4/2024

Exploration Portfolio





Xanadu continues to invest in exploration, with the aim of building a portfolio of high quality assets

Red Mountain (Cu-Au)

- 100%-owned, 57km² license featuring near-surface gold and copper-gold targets, akin to the Northparkes porphyry deposit (ASX:EVN)
- 4,800m diamond drill program conducted in 2024, and encountered significant shallow mineralisation across four prospects

Prospect	Targeting	Best Intercepts		
Target 33	Shallow epithermal gold	41m @ 1.07g/t Au from 34m		
Target 10	High-grade copper sulphide	109m @ 0.25% Cu and 0.23g/t Au from 140m		
Nowie	Shallow copper-gold	120m @ 0.14% Cu and 0.12g/t Au from 1m		
Bavuu	porphyry mineralisation	49m @ 0.15% Cu and 0.11g/t Au from 109m		

Next stage exploration plan in development

RED MOUNTAIN PROJECT XANADU MINES Deposit & Targets - Gold Geochemistry /Au ppm/ 372,000E Diorite Hulan Bavuu 📱 Target 10 Stairy Target 33 Historical drill holes & trenches Drill holes in 2024

ASX Announcement 21 June 2024 - Near Surface Copper & Gold Results at Red Mountain

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Appendix Benchmarking



Competent Persons Statement





The information in this Study 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. He 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 Qualified Person as defined in the CIM Guidelines and National Instrument 43-101 and as a Competent Person under JORC Code 2012. 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.

The information in this Study that relates to **Ore Reserves** is based on information compiled by Mr Colin McVie and Mr Simon Grimbeek, who are responsible for the Ore Reserve. Both Mr McVie and Mr Grimbeek are full time Managers and Mining Engineers employed by Mining Plus and are both Fellows of the Australasian Institute of Mining and Metallurgy. They both have 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 and as a Competent Person under JORC Code 2012. Mr McVie and Mr Grimbeek consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this Study that relates to open pit **geotechnical analysis** for the project has been reviewed by Dr John Player, BEng (Mining) (Hons) MEngSc (Mining Geomechanics) PhD MAusIMM(CP) RPEQ (Geotech). Dr Player is not an employee of the Company but is Director and Principal Engineer with MineGeoTech. Dr Player is a Member and Chartered Professional of the Australasian Institute of Mining and Metallurgy; has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity undertaken to qualify as the Qualified Person as defined in the CIM Guidelines and National Instrument 43-101 and as a Competent Person under JORC Code 2012. Dr Player consents to the inclusion in this report of the contained technical information in the form and context as it appears.

The information in this Study 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 Qualified Person as defined in the CIM Guidelines and National Instrument 43-101 and as a Competent Person under JORC Code 2012. 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.

The information in this Study that relates to **processing, metallurgy and metallurgical testwork** has been reviewed by Graham Brock, BSc (Eng), ARSM. Mr Brock is not an employee of the Company but is employed as a contract consultant. Mr Brock is a Fellow of the Australasian Institute of Mining and Metallurgy; he has sufficient experience with the style of processing response and type of deposit under consideration, and to the activities undertaken, to qualify as the Qualified Person as defined in the CIM Guidelines and National Instrument 43-101 and as a Competent Person under JORC Code 2012. Mr Brock consents to the inclusion in this report of the contained technical information in the form and context as it appears.

The information in this Study that relates to marketing and concentrate logistics was reviewed by Albert de Sousa, MAusIMM, BA, Graduate Diploma International Business. Mr de Sousa is not an employee of the Company but is employed as a contract consultant. Mr de Sousa is a member of the Australasian Institute of Mining and Metallurgy. He has sufficient experience the style of mineralisation, type of deposit, and concentrate production and logistics, and to related activities undertaken, to qualify as the Qualified Person as defined in the CIM Guidelines and National Instrument 43-101 and as a Competent Person under JORC Code 2012. Mr de Sousa consents to the inclusion in this report of the contained technical and commercial information in the form and context as it appears.

The technical and scientific information contained in this document related to **Kharmagtai PFS** was reviewed by Julien Lawrence, MEngSc (PM), FAusIMM, B Eng Mining (Hons). Mr Lawrence is not an employee of the Company but is employed as a contract consultant. Mr Lawrence is a Fellow of the Australasian Institute of Mining and Metallurgy. He has sufficient experience the style of mineralisation and type of deposit, and to the activities undertaken, to qualify as the Qualified Person as defined in the CIM Guidelines and National Instrument 43-101 and as a Competent Person under JORC Code 2012. Mr Lawrence consents to the inclusion in this report of the contained technical information in the form and context as it appears.

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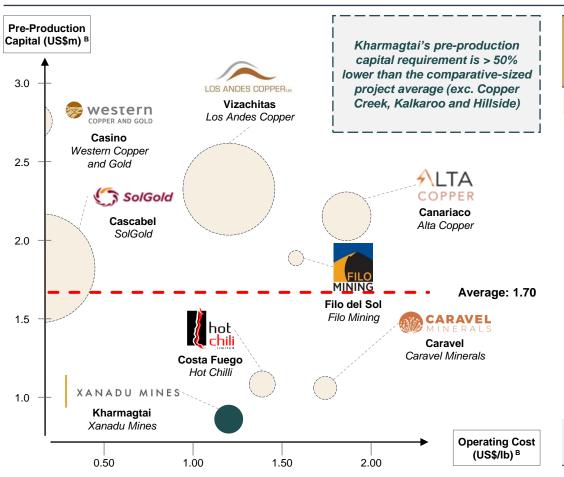
Kharmagtai Project Benchmarks





Kharmagtai derisked, low cost, low strip and near to production relative to global peers

Kharmagtai Project Comparison ¹



Company Project		Project Stage	Full Project Funding	First Production	Mine Life	Payback Period	Payback Period / Mine Life	LOM Strip Ratio
			Partner	Year	Years	Years	%	x
XANADU MINES	Kharmagtai ¹	PFS Complete	Zijin Mining	2028	29	4.0	14%	1.4
LTA COPPER	Canariaco Norte ²	PEA Complete	N/A	2029	27	3.1	11%	1.3
CARAVEL	Caravel ³	PFS Complete	N/A	2026	28	5.6	20%	1.3
△ FARADAY	Copper Creek ⁴	PEA Complete	N/A	2027	32	4.1	13%	1.6
FILO	Filo Del Sol ⁵	PFS Complete	Lundin Group / BHP	2032	13	3.4	26%	1.6
Havilah Resources	Kalkaroo ⁶	PFS Complete	N/A	2027	13	N/A	N/A	3.5
hot c <u>hili</u>	Costa Fuego 7	PEA Complete	N/A	2028	14	3.5	25%	1.8
LOS ANDES COPPERIM	Vizachitas 8	PFS Complete	N/A	2029	26	2.5	10%	2.3
REX Admires also Ltd	Hillside 9	PFS Complete	MACH Metals	2026	11	4.3	39%	7.4
SolGold	Cascabel 10	PFS Complete	N/A	2028	28	4.1	15%	N/A
western COPPER AND GOLD	Casino 11	DFS Complete	N/A	2026	27	3.3	12%	0.4
Average					23	3.8	18%	2.3
Median					27	3.8	14%	1.6

Kharmagtai Project Benchmark Sources





Assumptions and Sources

Company	Project	Footnote	Sources	Notes
XANADU MINES	Kharmagtai	1	Kharmagtai MRE Update, 28 August 2024 Kharmagtai Pre-Feasibility Study, 14 October 2024	Total pre-production capital expenditure of US\$887m represents pit development, process plant, infrastructure costs and contingency Reported C1 cost of US\$1.23/lb, net of by-products Contained copper resource of 3.8Mt (100%-ownership basis)
∱\LTA COPPER	Canariaco Norte	2	Canariaco Norte Technical Report, 15 March 2022 Canariaco Norte Optimised PEA, 15 May 2024 •	First production year assumes that construction commences in 2025, followed by four-year construction period Pre-production capital expenditure of US\$2.16bn represents initial project capital, including 20.5% contingency Reported C1 cost of US\$1.86/lb, net of by-products Contained copper resource of 14,170Mlb across Cañariaco Norte and Cañariaco Sur deposits
CARAVEL MINERALS	Caravel	3	Caravel PFS, 12 July 2022 Caravel PFS Update, 20 September 2022 Caravel MRE Update, 13 November 2023 •	First production year as per Hot Chili ASX Announcement 10 September 2024 Total pre-production capital expenditure of A\$1.58bn, including mining pre-strip, mining equipment and contingency Reported C1 cost of US\$1.54/lb, net of by-products Contained copper resource of 3.0Mt
A FARADAY COPPER	Copper Creek	4	Copper Creek PEA, 3 May 2023	First production year assumes that construction commences in 2025, followed by two-year construction period
FILO MINING	Filo Del Sol	5	Filo del Sol Updated PFS, 28 February 2023	First production year as per Hot Chili ASX Announcement 10 September 2024 Pre-production capital expenditure of \$1.81bn represents total initial capital, including contingencies Reported C1 cost of US\$1.54/lb, net of by-products Contained copper resource of 4,423Mlb In mid-2024, Filo Corporation received a takeover offer from Lundin Mining and BHP for c.C\$4.1 billion, with Lundin and BHP to form a 50/50 JV to progress Filo del Sol and the Josemaria Project
Havilah Resources	Kalkaroo	6	Kalkaroo PFS, 18 June 2019	First production year assumes construction commences 2025, followed by two-year construction period Mine life represents production life only

Kharmagtai Project Benchmark Sources





Assumptions and Sources

Company	Project	Footnote	Sources	Notes
hot chili	Costa Fuego	7	Costa Fuego PEA Announcement, 28 June 2023 Costa Fuego MRE Update, 26 February 2024	 First production year as per Hot Chili ASX Announcement 10 September 2024 Mine life represents production life only Pre-production capital expenditure of US\$1.05bn represents pre-start capital, including 20% contingency Reported cash cost of US\$1.43/lb, including royalties and by-product credits Contained copper resource of 3.4Mt
LOS ANDES COPPER _{LIS}	Vizachitas	8	Vizcachitas PFS, 30 March 2023	 First production year as per Hot Chili ASX Announcement 10 September 2024 Pre-production capital expenditure of US\$2.44bn including contingencies Reported C1 cost of US\$1.25/lb Contained copper resource of 26,768Mlb
REX Minerais Ltr	Hillside	9	Hillside Optimised Feasibility Study, 14 December 2022	 First production year as per Hot Chili ASX Announcement 10 September 2024 Mine life represents Stage 1 only. Total mine life may be > 20 years In mid-2024, Rex received a takeover offer from MACH Metals for c.A\$390m
(SolGold	Cascabel	10	Cascabel PFS, 8 March 2024	 First production year as per Hot Chili ASX Announcement 10 September 2024 Pre-production capital expenditure of US\$1.55bn including contingencies Reported total cash cost of US\$0.26/lb, including by-product credits Contained copper resource of 14.4Mt across the Alpala and Tandayama-America deposits
Western COPPER AND GOLD	Casino	11	Casino Feasibility Study, 8 August 2022	 First production year as per Hot Chili ASX Announcement 10 September 2024 Pre-production capital expenditure of C\$3.62bn including contingencies Reported C1 cost of (C\$1.00)/lb, net of by-product credits Contained copper resource of 10,719Mlb