

# Building low capital intensity mines in an inflationary environment

**Swiss Mining Institute** 

**Zurich - March 2023** 

TSX-V: MAI / OTCQX: MAIFF



## **Forward Looking Statements**

This presentation contains certain "forward-looking statements". All statements, other than statements of historical fact, that address activities, events or developments that Minera Alamos believes, expects or anticipates will or may occur in the future are forward-looking statements.

Forward-looking statements are often, but not always, identified by the use of words such as "seek", "anticipate", "believe", "plan", "estimate", "expect", and "intend" and statements that an event or result "may", "will", "can", "should", "could", or "might" occur or be achieved and other similar expressions.

These forward-looking statements reflect the current internal projections, expectations or beliefs of Minera Alamos based on information currently available to Minera Alamos. Forward-looking statements are subject to a number of risks and uncertainties, including those detailed from time to time in filings made by Minera Alamos with securities regulatory authorities, that may cause the actual results of Minera Alamos to differ materially from those discussed in the forward-looking statements, and even if such actual results are realized or substantially realized, there can be no assurance that they will have the expected consequences to, or effects on Minera Alamos.

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The Preliminary Economic Assessments (PEA) discussed in this presentation are preliminary in nature, includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that the preliminary economic assessment will be realized. Economic studies will need to be completed prior to accurate guidance and projections can be provided.

Darren Koningen, P. Eng., President of Minera Alamos is the Qualified Person (within the meaning of National Instrument 43-101) responsible for the information contained in this presentation. To the best of knowledge, information and belief of Minera Alamos, there is no new material scientific or technical information that would make the disclosure of the mineral resources set out in this presentation to be inaccurate or misleading.

For further information on the technical data provided in this presentation, including the key assumptions underlying the mineral resource herein, data verification, quality assurance program, quality control measures applied, risks and uncertainties please refer to the SEDAR filings of Minera Alamos as listed below:

NI 43-101 Technical Report titled "Mineral Resource Update and Preliminary Economic Assessment of the La Fortuna Gold Project, Durango State, Mexico" by CSA Global, dated July 13, 2018

NI 43-101 Technical Report titled "Mineral Resource Estimate for the Cerro de Oro Project, Zacatecas State, Mexico" dated December 17th, 2020

NI 43-101 Technical Report titled "Preliminary Economic Assessment and Mineral Resource Estimate for the Cerro de Oro Project" dated Jan 5<sup>th</sup>, 2023

Please note that all financial figures are in Canadian dollars, unless otherwise stated.

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## Why Invest In Us?

## We are PROVEN BUILDERS

## We are GOLD PRODUCERS

We are MINIMIZING RISK

We have GROWTH POTENTIAL

We are INSULATED FROM INFLATION

- Heap leach mining expertise
- Ability to expedite projects & minimize initial CAPEX
- Same team that placed 4 mines into production
- **1**<sup>ST</sup> mining operation has reached commercial production thresholds
- 2<sup>ND</sup> planned mine entering detailed engineering & permitting (2022 PEA)
- 3RD planned mine has permits in place ready for construction decision (2018 PEA)
- Mexico among the most favoured mining jurisdictions for costs and permitting
- Strong balance sheet debt free zero warrants
- Multi-mine strategy
- Targeting complementary advanced projects
- Investigating significant exploration upside
- Low capital intensity projects better insulated against rising capital costs
- Minimal impact from current inflationary environment not immune but protected
- Small with self funded organic staged growth vs Large impacted by cost inflation



### **Growth Model Path to Intermediate Production**

#### **SANTANA**

- Low Capex Build supported by royalty
- Classic bootstrapped phased build
- Commercial **Production** Thresholds achieved

- Permitting in 2023
- **Construction could** permit receipt

#### **CERRO DE ORO**

- Low Capex Build
- 5-6 month begin early 2024 upon



### LA FORTUNA

- Low Capex Build supported by royalty and internal financial resources
- Expand resource from operations
- Construction following Cerro de Oro



#### **ACQUIRE 4TH ASSET**

- Targeting +/- 500K to 1Moz quality ounces
- Low Capex
- Large land package
- Significant Exploration Upside





**POTENTIAL SANTANA** 

Exploration driven

expansion potential

on ongoing drilling

activities and future

derived and dependent

**EXPANSION** 



## **Experienced Operating Management Team**

## DARREN KONINGEN P.Eng.

#### CEO, Director

+25 years of engineering/metallurgical experience and led the development of Castle Gold's El Castillo project prior to its sale to Argonaut. Designed, constructed, commissioned and operated two gold heap leach operations in Mexico under budget and on time

## CHRIS SHARPE P.Eng.

#### **VP PROJECT DEVELOPMENT**

+15 years of engineering experience, the last 5 years of which were spent with Centerra Gold in roles of increasing responsibility. Previously held positions as a senior mining engineer with AuRico Gold and Wardrop Engineering.

## DOUG RAMSHAW B.Sc. Mining Geology

#### PRESIDENT, Director

+25 years of experience the mineral resource sector as a former mining analyst and senior executive of several exploration companies with focus on mineral project evaluation, M&A and business development strategies supporting corporate growth; Former Director of Great Bear Resource acquired for \$1.8 bn

## CAROLINA SALAS M.Sc. Met

#### **VP TECHNICAL SERVICES**

+15 years of of experience in design/ construction, operation, metallurgy and maintenance at various project sites throughout Mexico, 6 years were working at Peñoles. Oversaw all gold processing and recovery facilities at the Lluvia de Oro gold heap leach project in Sonora

#### **JANET O'DONNELL**

#### CHIEF FINANCIAL OFFICER

25 years of financial management experience largely within the mining sector.

Formerly the CFO of Castle Gold Corporation, a Mexican gold producer, which operated the El Castillo gold mine prior to its acquisition by Argonaut Gold.

## MIGUEL CARDONA P. Eng.

#### **VP EXPLORATION**

+20 years experience as a geological engineer in mineral exploration and underground and open pit mining operations. Led the 3x increase of El Castillo's gold resource for Castle Gold from 400 Koz to 1.2 Moz

## FEDERICO ALVAREZ M.Eng.

#### **CHIEF OPERATING OFFICER**

+30 years experience within academia, government and the mining industry, primarily in Mexico. Past VP Operations for Argonaut Gold and Castle Gold at the El Castillo gold mine in Durango; and for 10 years was Director of Mining Affairs for the State of Guanajuato

## VICTORIA VARGAS MBA, Finance

#### **VP INVESTOR RELATIONS**

+18 years of experience in the mining sector, she started her career at Kinross Gold Corporation and joined Alamos Gold Inc. in 2004 and led the effort to increase investor exposure and positively upgrade the company from the TSX Venture to the TSX.

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## Capital Structure 1

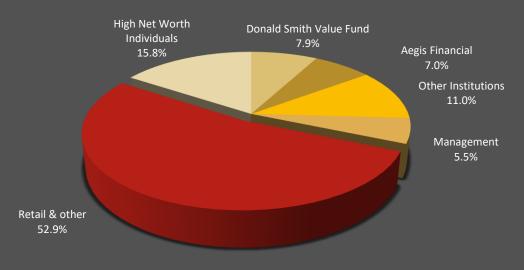
MARKET CAPITALIZATION C\$164 M	Common shares outstanding	457.7 M
	Warrants	NIL
	Options	31 M
ENTERPRISE VALUE C\$150 M DEBT FREE	Cash & Cash Equivalents <sup>2</sup>	~C\$14.7 M
	Working Capital <sup>2</sup>	~C\$22.2 M
	Avg. Daily Vol. TSXV & OTCQX Exchanges	~1.500,000

<sup>&</sup>lt;sup>1</sup> Share Price (As of March 15<sup>th</sup>, 2023) C\$0.36

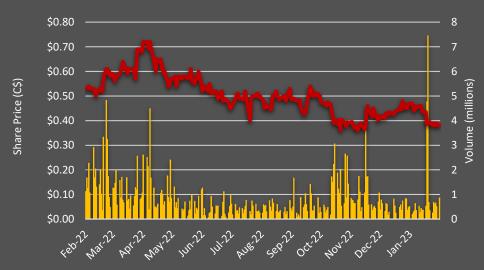
## **Analyst Coverage**

Haywood Capital Markets	Desjardins Securities
National Bank Financial	Cormark Securities

### **Shareholder Distribution**



## **52-Week Stock Performance**



<sup>&</sup>lt;sup>2</sup> As of September 30<sup>th</sup>, 2022 Financials



## Real Shareholder Alignment

## Management OPEN MARKET PURCHASES

## Shareholder friendly approach to INCENTIVE STOCK OPTIONS

## Responsible Use of Funds to MINIMIZE DILUTION

## Salaries are well BELOW PEER GROUP LEVELS

- Since beginning of 2022 Management has bought over 2.7 million shares; Multiple stock option exercises where all shares were retained
- This year alone, the President of the Company has bought 1,000,000 shares in the market alongside our shareholders
- Utilize less than 7% of a 10% rolling plan never try to max out options
- Last two grants set at significant premiums to market
- 2021 grant had vesting tied to highly meaningful production thresholds
- Conducted a small \$4.4 million raise in summer of 2022
- Two participants one existing fund \$3.8m and the President of the Company \$500k
- Priced above market with no warrants
- Salaries should scale as a company scales (salaries should not lead growth) we want to deliver and I believe will deliver top quartile performance with lowest quartile costs in all aspects of our business including our pay!

Our focus is placed on delivering for the broader shareholder base – winning together, not at your expense



High Quality Assets

Santana Cerro De Oro Fortuna



### SANTANA PROJECT - 100% OWNED - SONORA STATE



#### **LOCATION / INFRASTRUCTURE**

- Easily accessible by paved highway
- 50 km SW of Alamos Gold's 3M oz Mulatos Gold Mine

#### MINE PLAN/STAGE

- Mining operations commenced in June 2021
- First gold production announced in November 2021
- ~13,000 oz produced in 2022; ~7,000 oz of recoverable inventory on pad
- Commercial Production Thresholds achieved in 2022
- Next phase of pad expansion planned for 2023 that will triple the leaching capacity of the project

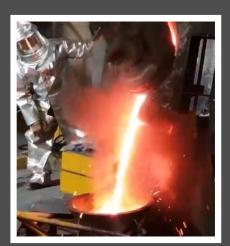
#### **EXPLORATION UPSIDE**

- +30,000 m of drilling to date; multiple high-priority exploration targets (additional pipes) identified across the property
- 2023 plans for up to 80 holes and 10,000 m of drilling using company owned drill. Focusing on discovery drilling of Zata, Benjamin and Divisadero pipes
- Drilling underway at Benjamin target to be followed by Zata



## **Santana Mine Expansion Progress**







#### MINING

- Approximately 13,000 oz of gold produced in 2022
- Direct mining costs of US\$800/oz barely changed through first 3Qs of 2022
- ~ 7,000 oz of recoverable gold inventory on the pads at YE 2022

#### LEACHING

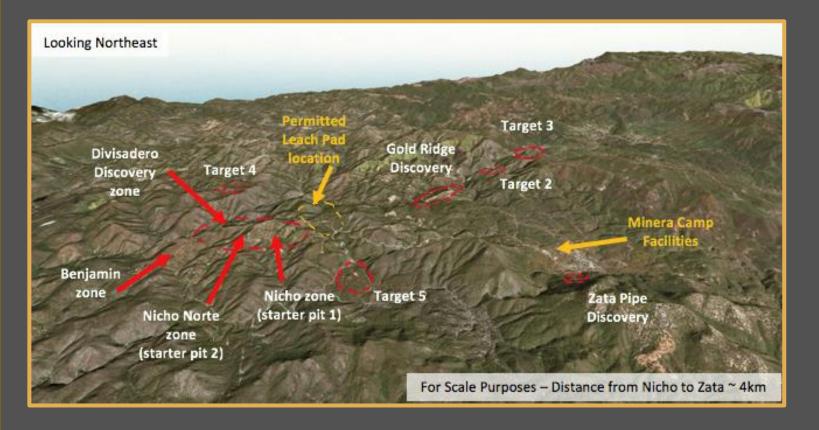
• Leach kinetics continue to track very favourably with areas under active leach achieving 70% recoveries in 30-45 days and increasing

#### **OPTIMIZATION WORK**

- Work will continue on further operating improvements while continuing to strengthen the balance sheet from operations and seeing the first FCF generation reinvested in both Santana and Cerro de Oro projects
- Main Nicho pipe now available to increase mining rates as pad capacity is expanded to support increasing production rates later in 2023 which will allow for more efficient stacking and sequencing
- Majority of project capex paid back since beginning of operations



## Santana Exploration Potential – Drilling Underway



#### **CLUSTER OF MULTIPLE PIPES IDENTIFIED**

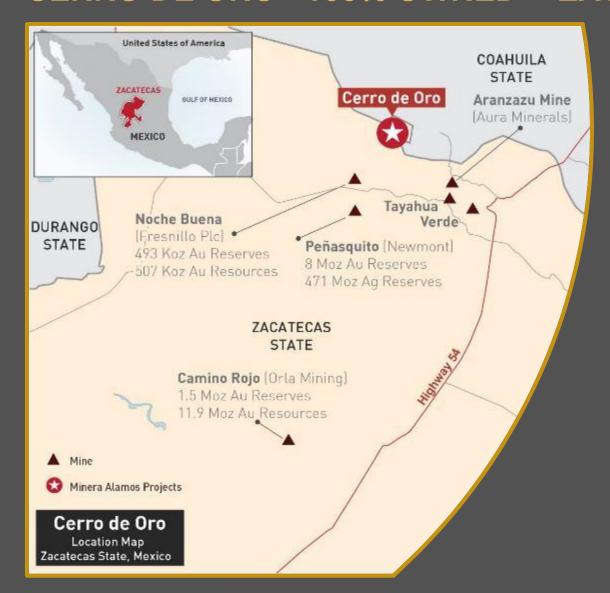
- All pipes appear to be gold-bearing
- Vary in size from 150m diameter to 500-600m
- Up to 80 holes for a total of 10,000 m in 2023
- Historical discovery cost ~\$10-20/oz
- Primary drilling focus for 2023 will be discovery drilling on the previously undrilled Zata pipe as well as the Benjamin and Divisadero pipes following up on historic results that included:

Benjamin - 114m of 0.73 g/t Au; 108m of 0.35 g/t Au.

Divisadero - 95m of 0.85 g/t Au.



### CERRO DE ORO - 100% OWNED¹ - ZACATECAS STATE



#### LOCATION / INFRASTRUCTURE

- Accessible by paved highway; Just a few kilometres from grid power
- 25 km N of Newmont's 8M oz Au/471 Moz Ag Peñasquito Mine

#### MINE PLAN/STAGE

- Near-term development opportunity; extensive metallurgical studies already completed; simple open pit heap leach envisioned
- Over 70 holes drilled to date defining a broad disseminated gold system within two zones which could ultimately form one large pit; ex-Noranda porphyry target
- Good metallurgy reported (work completed in 2016-2018)
- Surface rights in place as of June 2022
- Permit Application submission expected late Q1 2023

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<sup>&</sup>lt;sup>1</sup> Subject to a series of cash and stock payments over the next 2 years – see news dated August 4<sup>th</sup>, 2020



## Cerro de Oro PEA Economic Key Highlights

#### PRODUCTION HIGHLIGHTS

- Average annual gold production 60,000 to 70,000 oz in years 1-4
- Average AISC of \$763/oz in years 1-4
- Largely Run of Mine operation with approx. 30% of higher-grade material expected to have a two-stage crush
- Strip ratio of 0.2:1 (waste:mineral) in first two years rising to 0.3:1 over the life of mine

#### LOW CAPITAL INTENSITY

- Recent Santana build informs capital costs
- In-house fabrication of carbon plant
- Used crushing system previously bought further reduces upfront capital requirements
- Project finance discussions ongoing goal to have package in place well in advance of permit receipt

#### **EXPLORATION UPSIDE**

- Open in multiple directions and at depth
- Expansion and metallurgical drilling planned for 2023 (4,000 5,000 m)
- Potential to incorporate transitional and sulphide mineralization into the mine plan subject to more metallurgical testwork



## **Cerro de Oro PEA Economic Summary**

After-Tax NPV (5%)	US\$150.5 million
After-Tax IRR	111%
After-Tax Payback Period	11 months
Ave. Annual Production	58,400 oz gold
Preproduction Capital	US\$28 million (including 30% contingency)
Sustaining Capital	US\$14.7 million
LOM Average AISC	US\$873/oz
Mine Life	8.2 years
Mining Rate	20,000 tpd
LOM Grade & Recovery	0.37 g/t Au (68% recovery)
LOM Strip Ratio	0.3:1 (waste to mineral)
Gold Price	US\$1,600/oz
FX Rate (MXP/US\$)	20

111%

**STRONG** IRR After-Tax

US\$28 million

**MODEST** Capital requirements

## 11 Months

**EXCELLENT** After-Tax Payback Period

#### Notes:

- 1. "AISC per ounce" is a non-GAAP financial performance measure with no standardized definition under IFRS.
- 2. Base case price for gold was assessed using long term consensus pricing factoring in a modest discount against the average of available bank and brokerage firm estimates.
- 3. Life-of-Mine Averages exclude partial production in year 9
- 4. LOM average combined grade of run-of-mine ("ROM") and crushed material sent to leach pads

<u>PEA Cautionary Note:</u> Readers are cautioned that the PEA is preliminary in nature and there is no certainty that the PEA results will be realized. Mineral resources are not mineral reserves and do not have demonstrated economic viability. Additional work is needed to upgrade these mineral resources to mineral reserves.



## Cerro de Oro Updated Resource Statement

#### MINERAL RESOURCE ESTIMATE

Resource Category	Material Type	Cut-off Grade	Tonnes (t)	Average Grade	Contained Au
		Au (g/t)		Au (g/t)	(oz)
Inferred	Oxide	0.15	67,000,000	0.37	790,000

#### Notes:

- The independent and QP for the mineral resource estimates, as defined by NI 43 101, is Scott Zelligan, P.Geo. The effective date of the 2022 mineral resource estimate is September 28, 2022.
- A gold price of \$1,700/oz was used in calculating the Mineral Resources.
- The estimate is reported for a potential open pit/heap leach scenario.
- The limits of the Resource-constraining pit shell assumed a mining cut-off based on a total operating cost (mining, milling, and general and administrative [G&A]) of \$8.80/t stacked, a metallurgical recovery of 70%, and a constant open pit slope angle of 45°. Inferred resources are too speculative geologically to have economic considerations applied to them.
- The gold cut-off grade applied to oxide mineralized material is 0.15 g/t Au
- These Mineral Resources are not Mineral Reserves as they do not have demonstrated economic viability.
- The Mineral Resource estimate follows CIM Definition Standards.
- Results are presented in-situ. Ounce (troy) = metric tonnes x grade / 31.103. Calculations used metric units (metres, tonnes, g/t). Rounding followed the recommendations as per NI 43 101.
- The number of tonnes has been rounded to the nearest million.
- The QPs of this Report are not aware of any known environmental, permitting, legal, title-related, taxation, socio-political, marketing, or other relevant issues that could materially affect the Mineral Resource estimate other than those disclosed in this NI 43-101 compliant Technical Report.

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## LA FORTUNA PROJECT - 100% OWNED - DURANGO STATE



#### LOCATION / INFRASTRUCTURE

- Easily accessible via a 100 km road from Culiacan, the Capital of Sinaloa State
- State authorities are extending a 2-lane upgraded paved highway to the project including grid power

#### MINE PLAN / STAGE

- PEA contemplates a simple open-pit mine with initial 40-50K oz Au annual production and a low CAPEX start-up
- Major mill components procured and ready for shipment to site
- Permits in place to allow a future construction decision
- 12-month build mine scheduling to follow successful construction of Santana and Cerro de Oro



## La Fortuna PEA Economic Summary

Pre-Tax NPV (7.5%)	US\$103.8M
Pre-Tax IRR	122%
After-Tax NPV (7.5%)	US\$69.8M
After-Tax IRR	93%
Pre-Tax Payback Period	9 months
After-Tax Payback Period	11 months
Ave. Annual Production	43k oz Au, 220K oz Ag 1,000 t Cu (50k oz AuEq)
Preproduction Capital	US\$26.9M
LOM Average AISC	US\$440/oz
Mine Life	5 years
Mill Throughput (avg. tpd)	1,100
Mill Grade & Recovery	3.68 g/t Au (90% recovery)
Gold Price	US\$1,250/oz
Silver Price	US\$16/oz
Copper Price	\$5,725/tonne
FX Rate (CDN\$/US\$)	0.77

93%

**STRONG** IRR After-Tax

US\$1,250/oz

**PRUDENT** Gold Price Assumption

## 11 Months

**EXCELLENT** After-Tax Payback Period

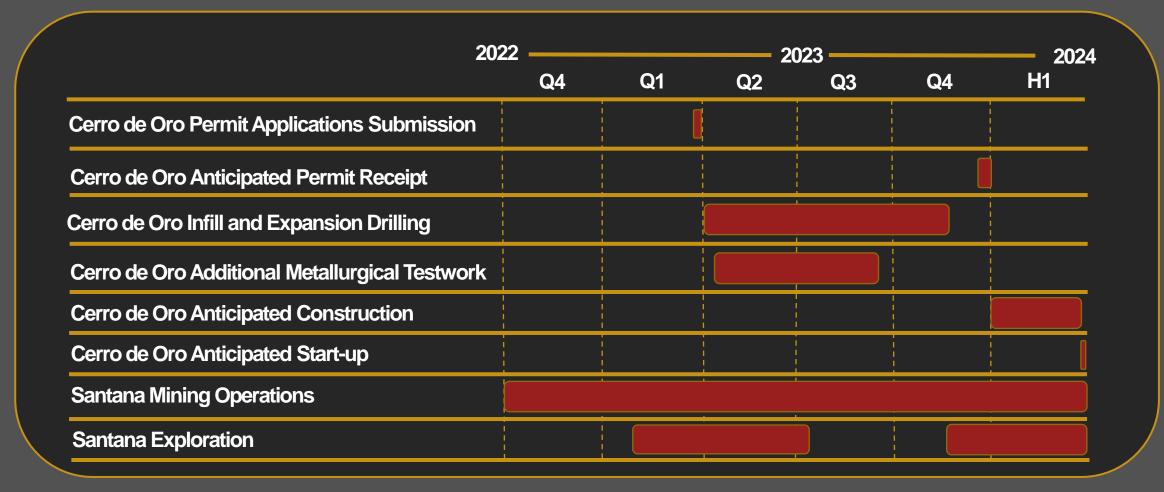
#### Notes:

- 1. AuEq gold equivalent ounces.
- 2. "AISC per ounce" is a non-GAAP financial performance measure with no standardized definition under IFRS.
- 3. Base case prices for gold, silver and copper were assessed at values approximately 2%-7% below the 3 year trailing average prices for each of the metals and below the majority of the publicly available forward looking estimates available as of July 2018.
- 4. Further details are provided in the Company's press release dated August 16, 2018.

<u>PEA Cautionary Note:</u> Readers are cautioned that the PEA is preliminary in nature and there is no certainty that the PEA results will be realized. Mineral resources are not mineral reserves and do not have demonstrated economic viability. Additional work is needed to upgrade these mineral resources to mineral reserves.



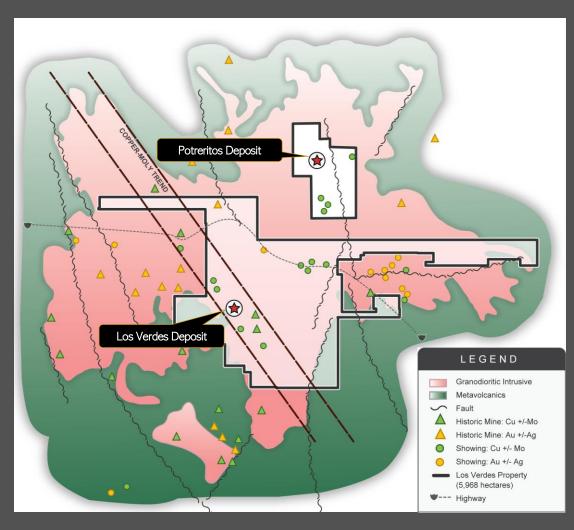
## Set to Deliver in 2023 and beyond



Note: Notwithstanding the Forward Looking Statements in this presentation (see page 2) – the reader is cautioned that timelines can be fluid in nature and that all timelines are best estimations and will be refined from time to time depending on circumstances



### "MINERA COPPER" - LOS VERDES & POTREITOS DEPOSITS, SONORA, MX



Minera Alamos is looking to leverage its experience and copper assets in Mexico to build a new copper developer / producer in a manner similar to company's current gold development profile. Initial focus is on assets suitable for initial low CAPEX start-up followed by aggressive organic growth and expansion once company is cash flow positive.

The objective is to apply all of Minera's core competencies in permitting, operating experience in country with our industry leading low capital intensity to rapidly develop a pipeline of complementary copper mines that can be expanded organically from initial smaller scale through the reinvestment of operating cashflows.



### "MINERA COPPER" – LOS VERDES - 100% OWNED - SONORA STATE



The PEA report for Los Verdes titled "Los Verdes Cu/Mo Project – Preliminary Economic Assessment was prepared by Golder Associates Ltd. for Virgin Metals Ltd" and dated May 2012, a copy of which is available under MAI's profile on SEDAR (filed May 25, 2012). Mineral resources that are not mineral reserves do not have demonstrated economic viability. The PFS report for Los Verdes titled "Pre-Feasibility Study – Los Verdes Project, Sonora, Mexico" was prepared by The Mines Group Inc., Chlumsky, Armbrust & Meyer LLC (CEM) and Mine and Quarry Engineering Services Inc. (MQes) for Virgin Metals with an effective date of July 28th, 2008, a copy of which is available under MAI's profile on SEDAR (filed September 10th, 2008).

#### LOCATION / INFRASTRUCTURE

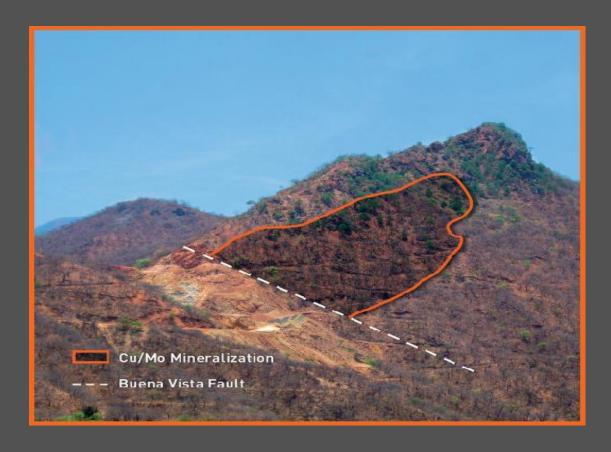
- Just north of the Santana gold project in Sonora, Mexico
- Adjacent to a major state highway leading to mineral concentrate ocean port facilities at Guaymas, Sonora

#### MINE PLAN / STAGE

- 8-10 million tonnes of open pittable resource potential at a grade of +1% CuEq.
- Extensive metallurgical testwork and basic engineering design completed for the construction of a two product (copper and molybdenum) central flotation facility to process material from the surrounding deposits.
- Historical PFS and PEA studies completed although being treated as historic in nature.
- New studies and updated current resource report to be prepared.



## "MINERA COPPER" – LOS VERDES - 100% OWNED - SONORA STATE



#### **DISCUSSIONS**

 The Company is continuing discussions both internally and with interested parties to surface value for shareholders from existing copper assets within the Company's mineral property portfolio.

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## Thank you

For more information contact us: info@mineraalamos.com

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