



INVESTOR PRESENTATION

Building a portfolio of
critical and precious minerals
assets in
Brazil, Botswana and WA

February 2024



Botswana Project

COMPANY OVERVIEW

Strong leadership by a team with over 50 years combined experience in mining/resource project generation and discovery

CAPITAL STRUCTURE

ASX Code	SI6
Shares on Issue (billion)	2.199
Share Price 12 February 2024	0.05c
Market Capitalisation	~\$11M
Cash On Hand @ 31 Dec 2023	\$650k
Debt	Nil
Enterprise Value	~\$10.3M
Top 20 Shareholders	38%

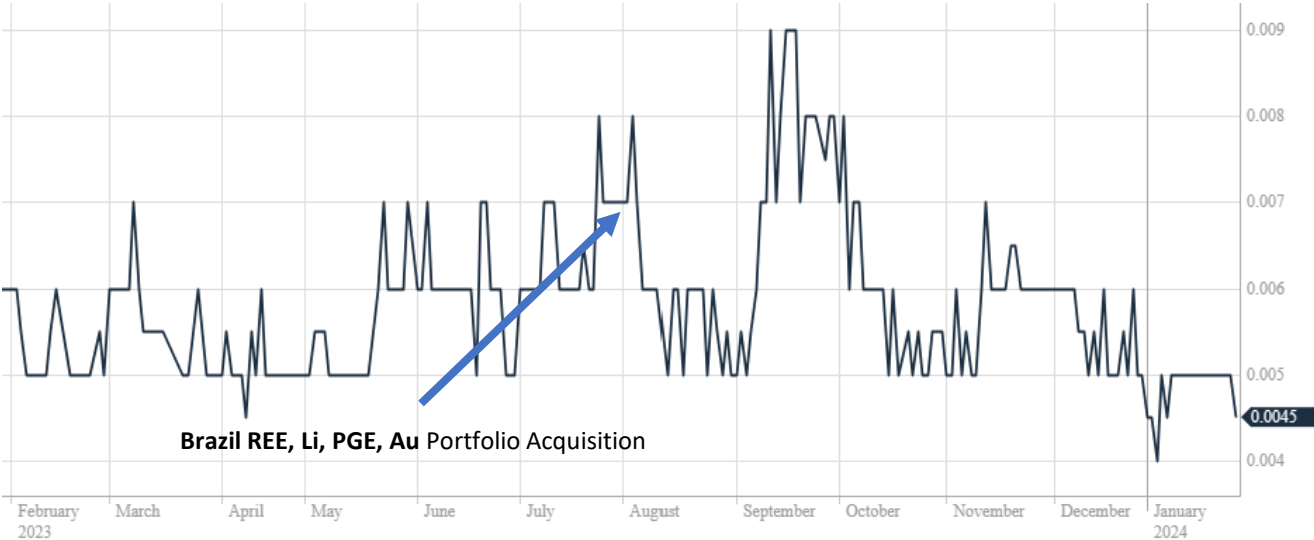
BOARD OF DIRECTORS

Non-Executive Chairman	David Sanders
Managing Director	Jim Malone
Non-Executive Director	Cain Fogarty

MAJOR SHAREHOLDERS

Foxfire Metals	9.5%
Pat Volpe	9.2%

12 - MONTH PRICE PERFORMANCE



INVESTMENT PROPOSITION

SI6 is targeting critical minerals in Tier 1 mining jurisdictions with valuable 100% owned WA gold asset for strategic play

RIGHT ASSETS

CRITICAL/PRECIOUS METALS/MINERALS

REE & Lithium in Brazil

- Acquisition of 50% interest in suite of projects including **Caldera REE Project in Minas Gerais** adjacent to Meteoric Resources' (ASX:MEI) Ionic Adsorption Caldeira REE Resource and nearby Viridis Mining's (ASX: VMM) Colossus REE project
- Additional 50% interest in the **Li-REE Projects in Lithium Valley** on G4 & G5 granites, known to typically host Li pegmatites
- **Lithium Valley, Brazil** within "Eastern Brazilian Pegmatite Belt" - host to **the largest Li resources in Brazil**
- ~8,700ha of Li exploration ground among lithium producer SIGMA's (NASDAQ:SGML) spodumene mine and Latin Resources' (ASX:LRS) Colinas lithium spodumene resource

Ni-Cu-Co-PGE in Botswana

- 3 x 65% owned JV projects in Botswana + 100% owned projects
- **Maibele North:** Maiden Inferred Ni-Cu-PGE Resource +\$5M spend in ground not included in MRE, to be updated Q1 2024
- BCL's Selebi Mine takeover and restart plans by Premium Nickel (TSXV:PRN)
- **Dibete & Airstrip:** high grade Cu-Ag mineralisation identified by past drilling (10m @ 4.5% Cu, 229.9g/t Ag at surface), (8m @ 10.39% Cu, 630g/t Ag at surface)

Gold - Ni - Li at Leonora, WA

- Significant exploration potential
- Strategically located, potential for JV/spin out/corporate deal

INVESTMENT PROPOSITION

Si6 market capitalisation of \$11M with significant upside value

RIGHT PLACES		
TIER-1 JURISDICTIONS		
BRAZIL	BOTSWANA	LEONORA-WA
<ul style="list-style-type: none">• One of the biggest players in the global mining sector• Well-developed mining jurisdiction with stable regulatory regime• World class Lithium, REE, Gold and other mines developed in Brazil• Pro-mining, efficient permitting/licensing process and no government ownership of mining projects• <i>Significant potential upside with exploration success</i>	<ul style="list-style-type: none">• The “Switzerland of Africa”• Pro-mining jurisdiction – <i>no Government ownership of mining projects</i>• Mining laws reflect Australian system• Became independent within the Commonwealth in 1966 – Africa’s oldest continuous democracy	<ul style="list-style-type: none">• Au project with Ni and Li potential• 100% Si6 owned• 154,000 oz MRE• Significant exploration upside• Si6 actively pursuing JV/spin out/corporate deal on this project in 2024

2024 PROGRAM & CATALYSTS

Si6 market capitalisation of \$11M with significant upside value

RIGHT PLACES TIER-1 JURISDICTIONS		
BRAZIL	BOTSWANA	LEONORA-WA
<ul style="list-style-type: none">• \$1 MILLION EXPLORATION PROGRAM CY 2024 focusing initially on 50% Si6 owned Caldera REE clay absorption project – commencing Feb 2024<ul style="list-style-type: none">- REE geochemistry program over area neighbouring MEI's Caldeira Project• FOLLOW-UP PROGRAM ON Li projects (50%) in the Lithium Valley in Minas Gerais – commencing Q1 CY 2024<ul style="list-style-type: none">- Lithium Valley geochemistry program over priority Lithium and REE areas	<ul style="list-style-type: none">• Assess the 2023 drilling program across Maibele North, Dibete and Airstrip projects - Feb/March 2024• Upgrade the Maibele North MRE from recent infill drilling and using the \$5 million spent on previous drilling by JV partners BCL but not included in original MRE - Q2 CY 2024• Identify priority Ni/Cu regional targets on 100% Si6 owned land - 2024• Review Joint Venture agreement	<ul style="list-style-type: none">• Examine strategic position on this 100% project with possibilities for JV/spin out/corporate deal - CY 2024.

BRAZIL BATTERY METALS PORTFOLIO ACQUISITION

Joint Venture for acquisition of 50% battery metals portfolio with Foxfire Metals Pty Ltd covering **17,800 hectares**

Strategic focus on building critical metals portfolio including:

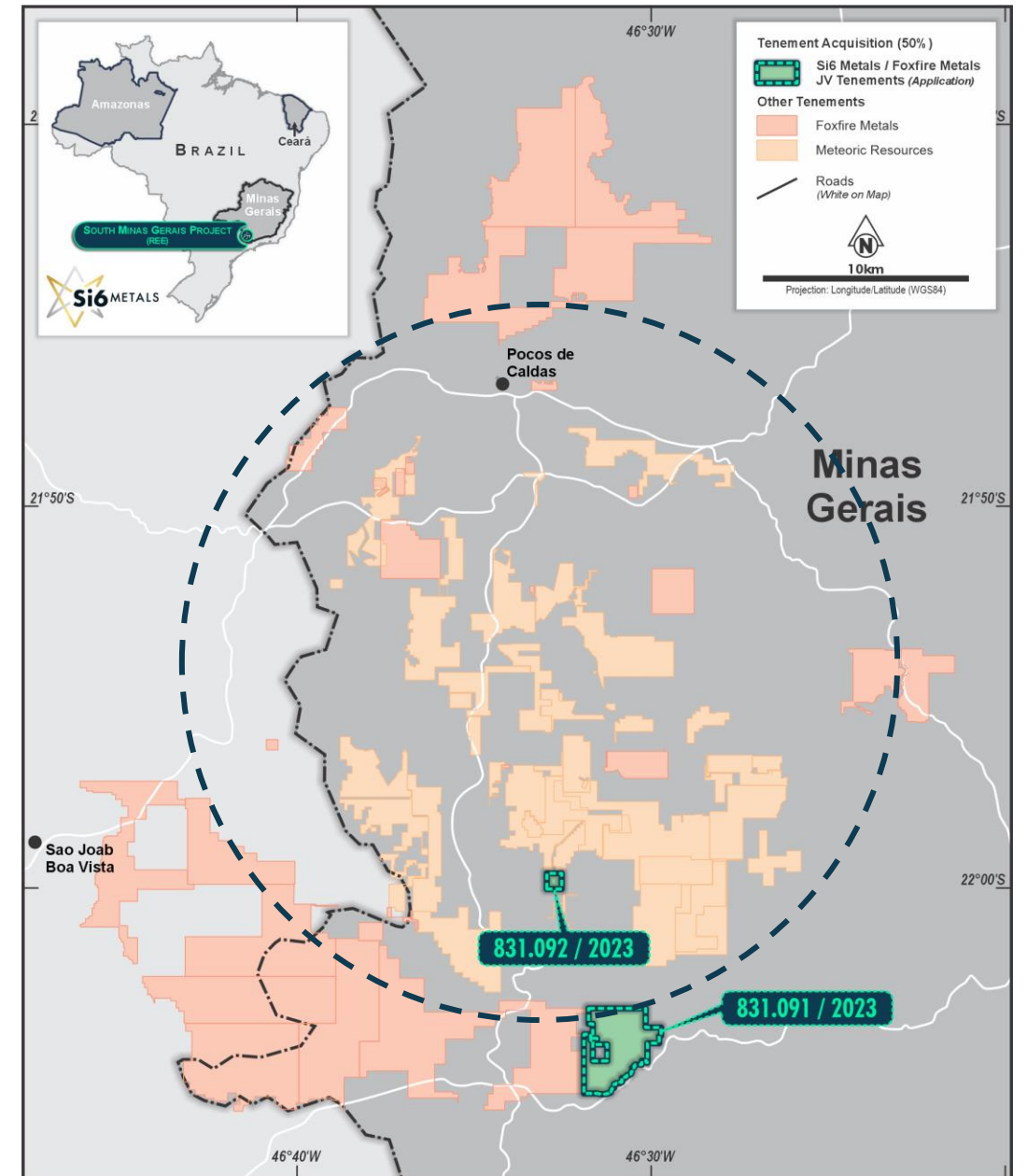
- Rare Earth Elements
- Lithium
- Gold, PGE, base and precious metals

In-country experienced management and geological team which has been in Brazil for over 10 years



CALDERA REE PROJECT – MINAS GERAIS

- 1,085Ha exploration package strategically acquired
- Located within and along the contact point of the Poços De Caldas Alkaline Complex, host to **ASX:MEI's** 409Mt @ 2,626ppm TREO Mineral Resource Estimate¹ and **ASX: VMM** Colossus REE project
- Alkaline Complex is a **Carbonatite Intrusive** associated with REE ionic adsorption clay deposits at surface
- Ionic adsorption clay REEs are simple to mine at surface with relatively low OPEX and CAPEX
- Project JV area located in and around the edge of the Caldera Intrusive, targeting REE mineralisation at the **structural contact of the intrusive which could channel REE-rich fluids**



¹refer ASX:MEI ASX Release 1 May 2023 "Caldeira Project Maiden Mineral Resource "

CALDERA REE PROJECT – MINAS GERAIS

REE Potential in Minas Gerais

Company	Market Capitalisation (at 30 January 2024)	Discovery
Meteoric Resources (ASX:MEI)	~A\$348 million	409Mt @ 2,626ppm TREO (Inferred Resource) ¹
Viridis Mining and Minerals Limited (ASX:VMM)	~A\$55 million	Fazenda Prospect: Ionic Adsorption Clay (IAC) body ranging from 10 to 20 meters thick with weighted average grade of 2,938ppm TREO Cupim South Prospect: IAC body ranging from 15-45 meters thick with weighted average grade of 3,460ppm TREO ²
Si6 Metals Ltd (ASX:SI6) (50% JV)	~A\$11 million	Acquired 50% of three REE prospective project areas in Lithium Valley

1. Meteoric Resources NL ASX release 1 May 2023 “Caldeira Project Maiden Mineral Resource”
2. Viridis Mining and Minerals Limited ASX release 7 December 2023 “Further Exceptional Discoveries Continue at Colossus 21.5m @3.195ppm TREO from surface”

LITHIUM VALLEY

- Located within the **Eastern Brazilian Pegmatite Province**, globally recognised as the “Lithium Valley” - one of the largest lithium spodumene districts
- Multiple key project areas in the Lithium Valley in strategic locations
- Licences over granites associated with spodumene-bearing pegmatites (LCT pegmatites) consistent with multiple high grade lithium discoveries in the area, including two producing mines (Sigma 36.7ktpa LCE, CBL 36ktpa @ 5.5% Li₂O)

KEY PLAYERS IN THE LITHIUM VALLEY

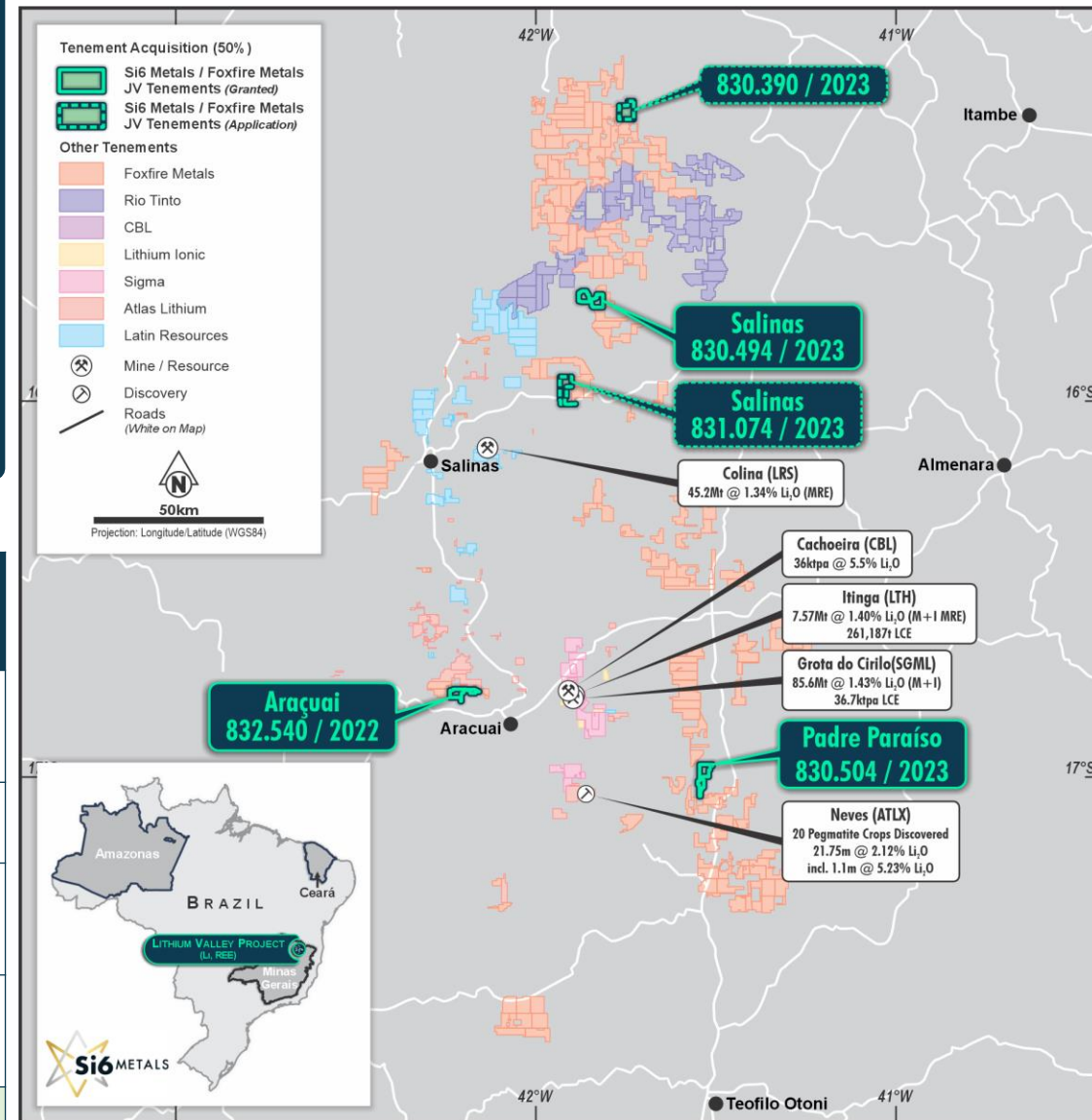
Company	Market Capitalisation (at 30 January 2024)	Discovery	Li Valley Landholding
Sigma Lithium Corp. (NASDAQ:SGML)	~A\$2.6 billion	85.6 Mt @ 1.43% Li ₂ O (Measured and Indicated Resource) 36.7ktpa LCE phase 1 production ¹	~200km ²
Latin Resources Limited (ASX:LRS)	~A\$461 million	70.3Mt @ 1.27% Li ₂ O (Mineral Resource Estimate) ²	~380km ²
Atlas Lithium Corp. (NASDAQ:ATLX)	~A\$382 million	20 pegmatite crops discovered. Drill hole 21.75m at an average grade of 2.12% Li ₂ O, including 1.1m @ 5.23% Li ₂ O ³	~238km ²
Lithium Ionic Corp. (TSXV:LTH)	~A\$136 million	7.57Mt @ 1.40 Li ₂ O (NI 43-101 Measured + Indicated Mineral Resource Estimate) ⁴	~142km ²
Si6 Metals Ltd (ASX:SI6) (50% JV)	~A\$11 million	Acquired 50% of three REE prospective project areas in Lithium Valley	~87km ²

¹ Sigma Lithium Corp. public release: <https://site.sigmalithiumresources.com/grota-do-cirilo/>

² Latin Resources ASX Release 20 June 2023 “240% increase for the Colina Mineral Resource”

³ Atlas Lithium NASDAQ market release 13 July 2023 “Atlas Lithium Hits a Record Milestone With High Grade 5.23% Lithium Oxide Intersect at Only Nine Meters Depth in its Lithium Project.”

⁴ Lithium Ionic TSX market release 27 June 2023 “Lithium Ionic Announces Maiden Mineral Resource Estimate at its Itinga Project in Minas Gerais, Brazil; Drilling Program Expanded with 13 Rigs Operating; PEA Underway”

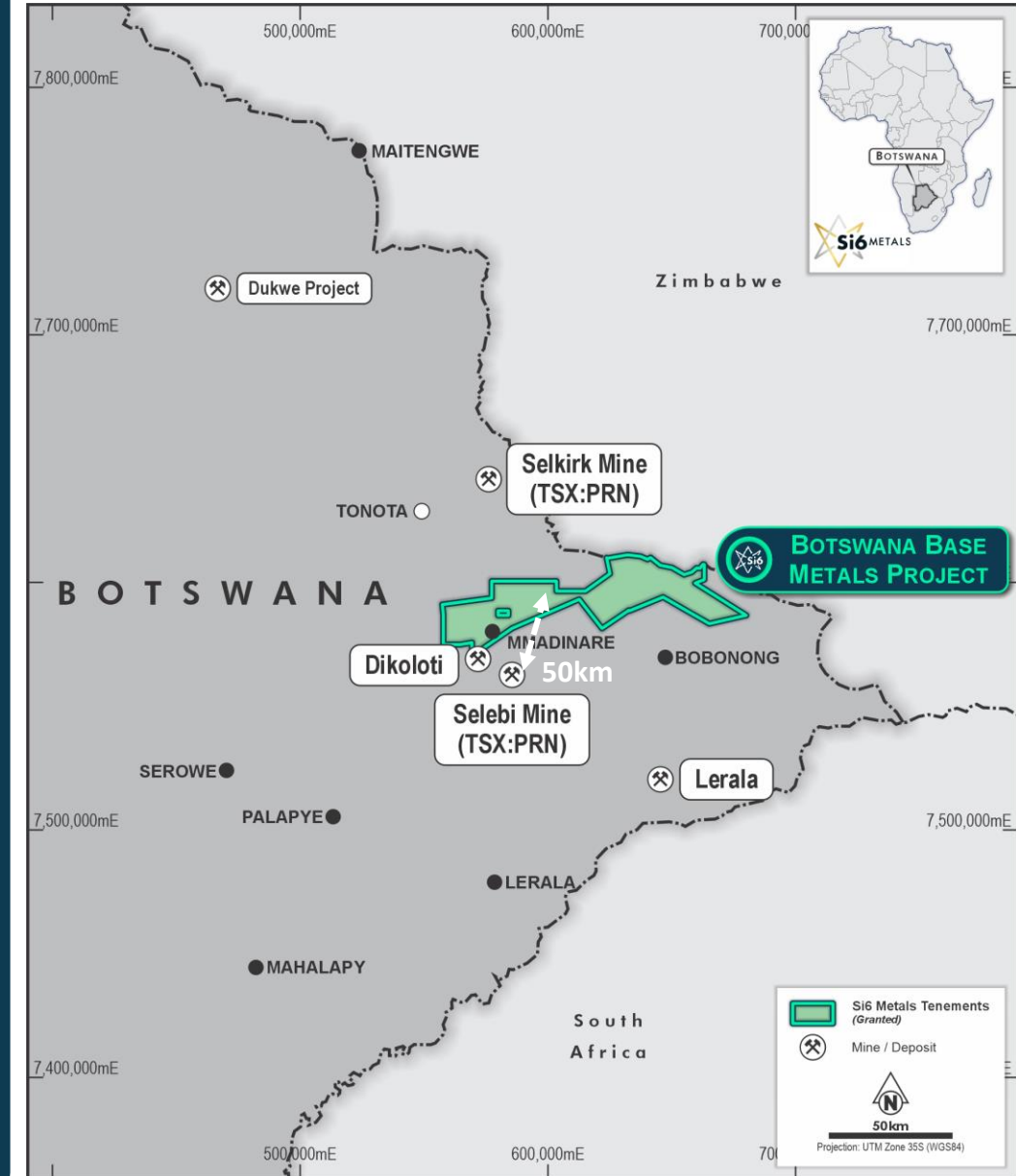


BOTSWANA – UNTAPPED POTENTIAL

Underexplored >16km trend of potential mineralisation

- 3 Flagship Projects:
 - Dibete (drill program Sep-Dec 23)
 - Airstrip (drill program Sept-Nov 23)
 - Maibele North – 2.38Mt Resource (drill program Nov-Dec 23)
- *Discoveries at-surface (Selebi mine depth >1.5km)*
- Within 50km of Selebi Mine, recently acquired by Premium Nickel (TSX:PRN) with plans to revitalise assets
- Potentially more than one processing option
- Established Ni-Cu-PGE Inferred Resource 2.38Mt @ 0.72% Ni + 0.21% Cu + 0.63g/t PGE + Au at (JORC 2012)⁵, with additional drilling (~\$5M spent in the ground) yet to be factored into Resource Estimate + 2023 drill program. **Resource upgrade planned**

Si6 completed a 6,000m drill campaign across its flagship projects in Q4 2023.



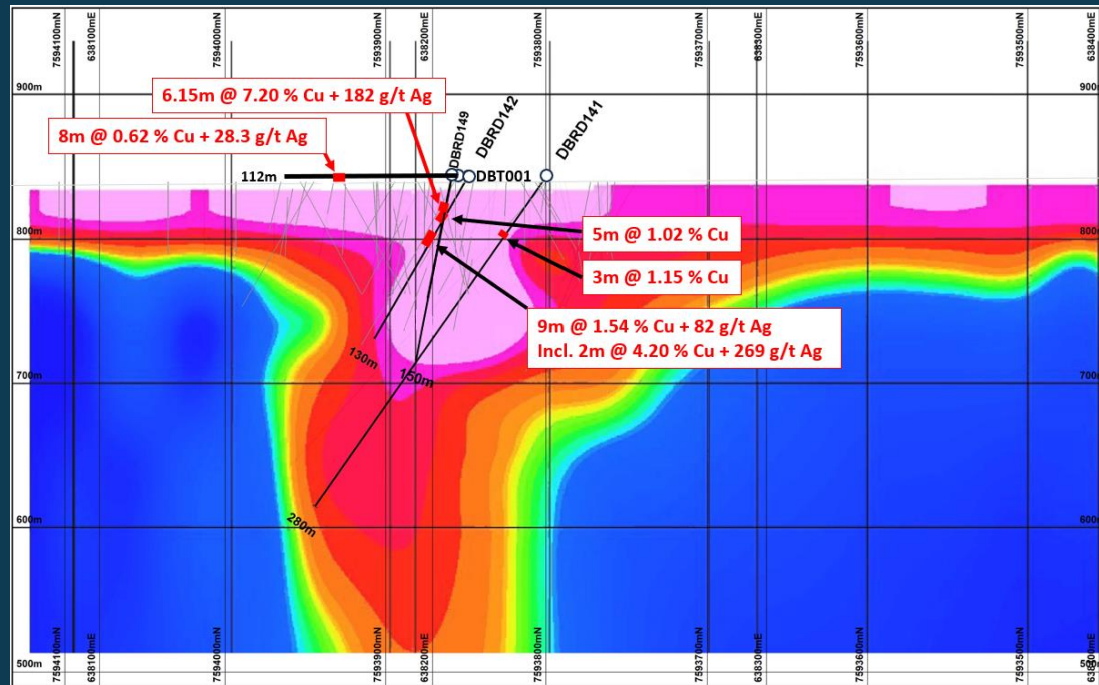
Drill results 2023 drilling program

Dibete High-grade Cu-Ag Project

- 6.15m @ 7.20 % Cu + 182 g/t Ag from 24.85m
Incl. 0.5m @ 10.8 % Cu + 281 g/t Ag & 1.0m @ 13.0 % Cu + 168 g/t Ag
- 9.0m @ 1.64% Cu + 82 g/t Ag from 45m
Incl. 2.0m @ 4.20 % Cu + 269 g/t Ag

(DBRD149)⁶

(DBRD142)⁶



High grade Cu-Ag
adjacent to AMT
geophysical anomaly
at Dibete ^{6,7}.



Chalcocite in drill core DBRD149, 39.55m to 41.47m down hole⁶.

⁶Si6: ASX release 14 November 2023

⁷Si6: ASX release 28 November 2023

MAIBELE NORTH (65% Si6)

Ni-Cu-PGE Primary Mineralisation, 1.4km continuous strike

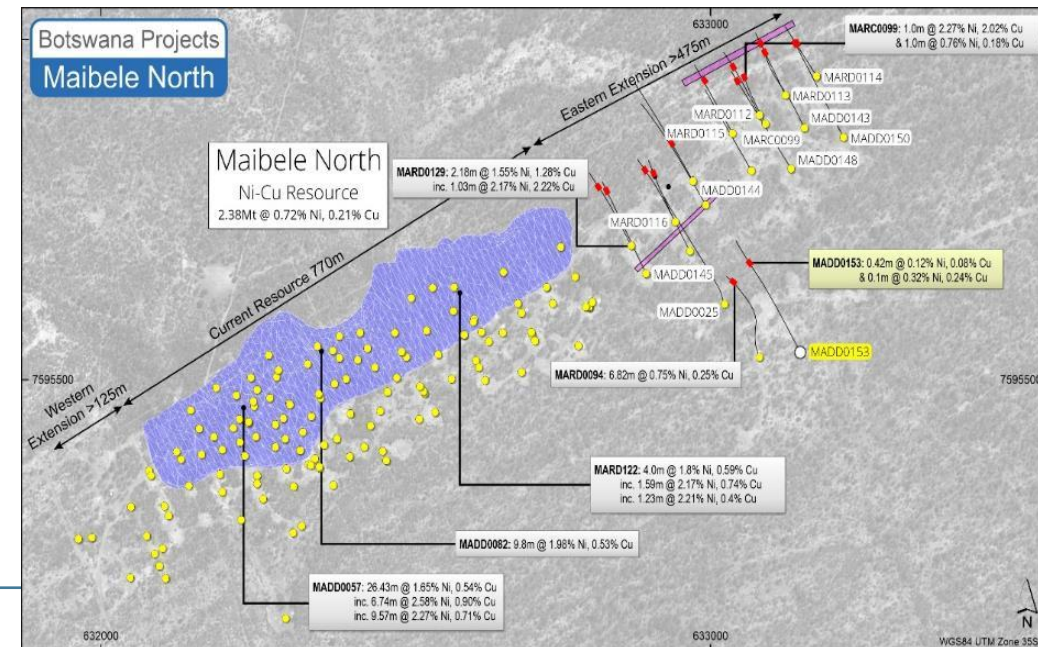
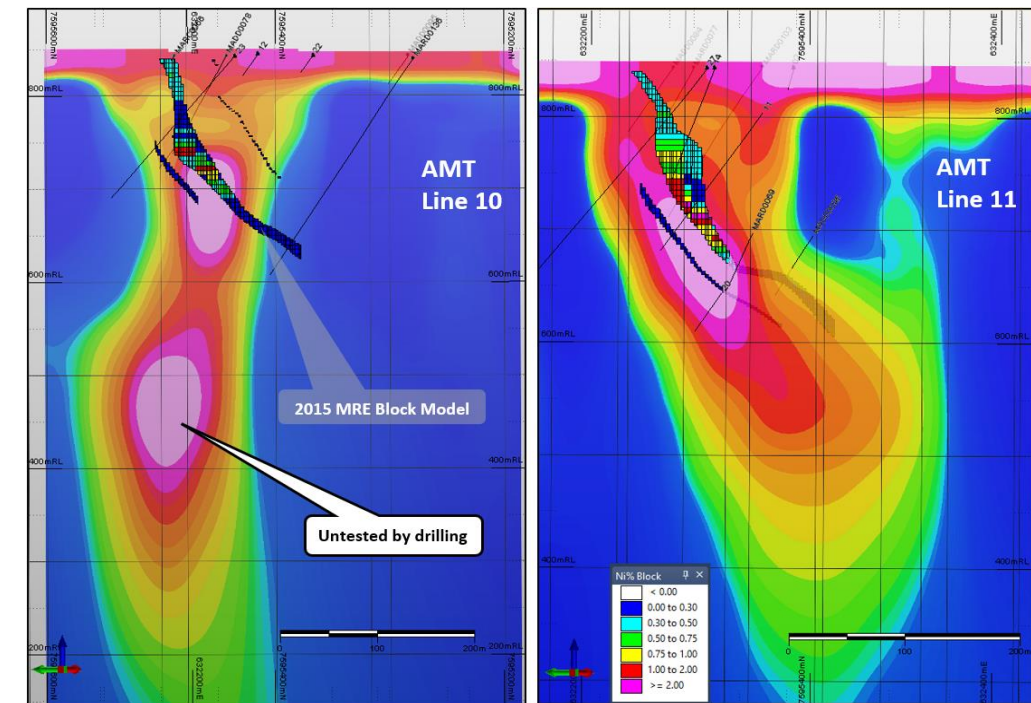
Maiden JORC Inferred Resource

Tonnes (Mt)	Ni (%)	Cu (%)	Pt (g/t)	Pd (g/t)	Rh (g/t)	Ru (g/t)	Au (g/t)
2.38	0.72	0.21	0.08	0.36	0.04	0.05	0.10

- Covers only 800m out of 1.4km - open along strike and at depth
- BCL (JV Partner) spent additional \$5M drilling at Maibele North (not included in Resource Estimation)
- Nov/Dec 2023 program to **upgrade Resource** with results pending - drilling and 2023 drilling over known mineralised targets

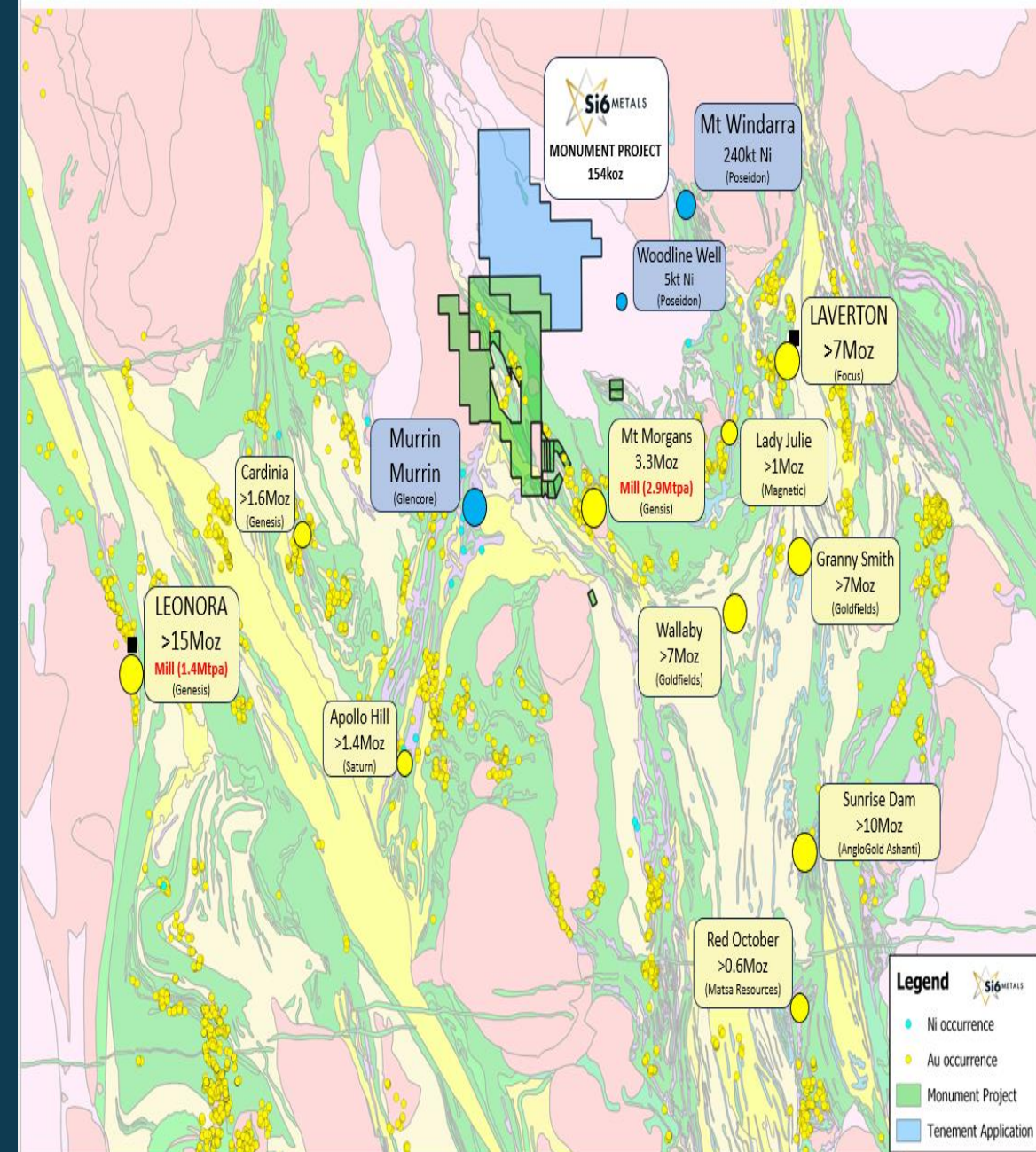
Open Pit Mine

- BCL undertook open pit mine study to feed the Selebi smelter (50km from Maibele North)
- BCL's Selebi and Selkirk mines and assets acquired by Premium Nickel Resources Ltd (TSXV:PRNL) with plans to re-develop these assets
- 26.6Mt @ 0.58% Ni and 1.03% Cu** was mined from Selebi (1980 to 2016)



MONUMENT GOLD PROJECT

- 100% owned, 310km² of tenure prospective for Au, Li, Ni
- Mineral Resource Estimate⁸ of 154koz Au comprising:
 - 3.0Mt @ 1.4g/t for 139koz Au at Korong deposit
 - 0.2Mt @ 2.1g/t for 15koz Au at Waihi deposit
- Along strike of Genesis' 2.1Moz Mount Morgans Project
- Other nearby mines include:
 - Goldfields' 8Moz Granny Smith, Wallaby Mines and AngloGold Ashanti's 9Moz Sunrise Dame
 - Leonora- Laverton zone has produced > 30Moz to date
 - Prospectivity highlighted by Magnetic Resources' recent discovery of 126m @ 2.8 g/t Au⁹
- Greenfields discovery potential, over 60 targets defined
- Si6 recent drilling results¹⁰:
 - 24m @ 3.24 g/t Au from 44m
 - 8m @ 2.06 g/t Au from 40m
 - 3m @ 3.98 g/t Au (ended in mineralisation)
- Si6 actively pursuing JV/spin out/corporate deal to focus on Brazil and Botswana



⁸Si6: ASX release 2 August 2021

⁹MAU: ASX release 19 October 2023

¹⁰Si6: ASX release 19 December 2022

A COMPELLING INVESTMENT PROPOSITION

5 Reasons to invest in Si6 Metals:

1. Right Assets – Critical Metals/Minerals (Cu, Ni, Co, Li, REE, PGM plus 100%-owned strategic gold assets well located in WA Goldfields region)
2. Right locations – Brazil (Caldera, Lithium Valley: Minas Gerais), Botswana and Leonora in WA Goldfields surrounded by outperforming listed and unlisted companies
3. Aggressive \$1 million Brazil exploration program focused initially on REE Caldera, followed by Li exploration in Minas Gerais, a resource upgrade at Maibele North and potential deal on Monument
4. Highly experienced, in-country technical teams at all projects
5. Market capitalisation of ~\$11 million & EV ~ \$10.3 million – significant upside potential

APPENDIX

Maibele Base Metals Joint Venture Project, Botswana, Resource Information

An initial JORC-compliant (2012) Inferred Resource was calculated at Maibele North by MSA South Africa in 2015 (see Table 1) using a 0.30% Nickel cut-off grade. See the ASX announcement on 28 April 2015 “Maiden Inferred Resource for Maibele North” for further information.

Maibele North Resource							
Tonnes (Mt)	Ni (%)	Cu (%)	Pt (g/t)	Pd (g/t)	Rh (g/t)	Ru (g/t)	Au (g/t)
2.38	0.72	0.21	0.08	0.36	0.04	0.05	0.10

Table 1: Inferred Resource calculated by MSA South Africa in 2015 to JORC 2012 compliance

Monument Gold Project, Western Australia, Resource Information

A JORC-compliant (2012) Inferred Resource was calculated at Korong and Waihi by CSA Global Pty Ltd in 2021 (see Table 2) using a 0.5g/t cut-off grade. See the ASX announcement on 2 August 2021 “Mineral Resource Estimate Declared for Monument Gold Project” for further information.

Korong Resource			
Deposit	Tonnes	Grade (g/t)	Au Ounces
Korong	3,034,000	1.4	139,000
Waihi	223,000	2.1	15,000
Total Resource	3,257,000	1.4	154,000

Table 2: Inferred Resource calculated by CSA Global in 2021 to JORC 2012 compliance

DISCLAIMER

Forward-Looking Statements

Some statements in this presentation regarding estimates or future events are forward looking statements. They involve risk and uncertainties that could cause actual results to differ from estimated results. Forward-looking statements include estimates of future production, reserve and mineralised material estimates, capital costs, and other estimates or prediction of future activities. They include statements preceded by words such as "believe", "estimate", "expect", "intend", "will" and similar expressions. Actual results could differ materially depending on such things as political events, labour relations, currency fluctuations and other general economic conditions, market prices for the company's products, timing of permits and other government approvals and requirements, change in operating conditions, lower than expected ore grades, unexpected ground and mining conditions, availability and cost of materials and equipment, and risks generally inherent in the ownership and operation of mining properties and investment in foreign countries.

ASX Listing Rule 5.23.2

The Company confirms that it is not aware of any new information or data that materially affects the information included in this announcement. No exploration data or results are included in this document that have not previously been released publicly. The source of all data or results have been referenced.

Competent Person Statements

The information in this report that relates to Exploration Targets and Exploration Results is based on historical exploration information compiled by Mr Paul Woolrich, who is a Competent Person and a Member of the Australian Institute of Mining and Metallurgy. Mr Woolrich is a consultant to Si6 Metals Limited. Mr Woolrich has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for the reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Woolrich consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to 2023 Exploration Results is based on information compiled by Mr Cain Fogarty, who is a Competent Person and a Member of the Australian Institute of Geoscientists. Mr Fogarty is a Non-Executive Director of Si6 Metals Limited. Mr Fogarty has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for the reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Fogarty consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Mineral Resources is based on information compiled by Dmitry Pertel. Mr Pertel was a full-time employee of CSA Global and a Member of the Australian Institute of Geoscientists at the time of reporting. Mr Pertel has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources, and Ore Reserves (JORC Code). Mr Pertel consents to the disclosure of information in this report in the form and context in which it appears.



CONTACT

168 Stirling Highway
NEDLANDS
WA Australia 6008

Jim Malone

Managing Director
jm@si6metals.com
+61 (0)419 537 714

si6metals.com

ASX:SI6

