



# Africa Down Under Conference Presentation

Karl Simich, CEO and Managing Director  
31 August 2022



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**Currency: unless otherwise stated, all figures are in USD.**

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# Our Strategy



**Execute  
Delivery**



**Sustain and Grow  
Our Production  
Pipeline**



**Accelerate  
Discovery**



**Align and Empower  
Our People**



**Optimise Capital  
Strategy and  
Engagement**

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# Our Values



**Honesty**



**Respect**



**Collaboration**



**Accountability**



**Performance**

# Where we operate

## Scale

One of the largest copper-focused miners on the ASX

## Future-facing

Producing copper, a critical metal for a low-carbon future

## Growth

Pivoting to new long-life mines in Spain, Botswana and USA

## Exploration

Four world-class mineral provinces



# Sustainable production

## From high-quality assets in Tier-1 locations



**MATSA Copper Operations, Spain**

**FY2023G: 60-65kt Cu; 78-83kt Zn**

Cu  Zn  Pb  Ag

🚩 Producing 🏭 4.7Mtpa 🕒 12+ years

- + Concepción & Poderosa
- + Iberian Pyrite Belt Exploration

**Black Butte Copper Project, USA (87%)**

**LOM Avg Production: 23ktpa Cu**

Cu  Ag

🚩 Feasibility 🏭 1.2Mtpa 🕒 8+ years

- + Lowry
- + Regional exploration

**Motheo Copper Mine, Botswana**

**Peak production: ~55ktpa Cu**

Cu  Ag

🚩 Construction 🏭 5.2Mtpa 🕒 10.5+ years

- + A1
- + Motheo Expansion Exploration
- + Kalahari Copper Belt Exploration

**DeGrussa Copper Operations, Australia**

**FY2023G: 17-19kt Cu; 10-12koz Au**

Cu  Au

🚩 Producing 🏭 1.6Mtpa 🕒 31 Oct 2022

- + Old Highway / Oxide Processing
- + Doolgunna Province Exploration

🚩 Status 🕒 Mine Life 🏭 Plant Capacity (Ore Tonnes) + Upside Potential

# A momentous 12 months

## Our key achievements in FY2022

In US\$

**Acquired the world-class MATSA Copper Operations**

New cornerstone long-life asset, now fully integrated into our business

**Raised A\$1.248B equity and \$795M debt**

Maintained disciplined capital management, **\$463.1M cash holding** at 30-Jun-22 (Net debt \$324.7M)

**Production growth FY2022:**

**98,367t Copper**  
**38,907t Zinc**

4,102t Lead  
32,285oz Gold  
~1.5Moz Silver  
Contained metal

**\$922.7M**

Sales revenue

**59%**

Operations EBITDA Margin

**\$447.3M**

Group EBITDA

**Delivering a major new copper mine in Botswana**

More than **70%** complete and on track for first production in June 2023 Quarter at 3.2Mtpa

Expansion pathway to 5.2Mtpa approved

**People, culture, values and sustainability**

Strengthened Board and senior leadership team

Global systems and culture development

ESG performance

# Motheo Copper Project



## Motheo Copper Mine

- 5.2Mtpa Processing Facility
- T3 Open Pit Development
- A4 Open Pit Development



## Exploration

- Motheo Expansion Project
- Kalahari Copper Belt tenure

# Motheo

## Supporting our communities

### Our Motheo community framework pillars



#### Community Health

Improved outcomes for the physical and mental wellbeing of the broader community



#### Education

Encourage attendance in schools, improve learning outcomes among young children and provide capacity building



#### Women Empowerment

Support equality, inclusiveness and empowering women



#### Youth Development

Promote training and employment opportunities to youths within our local communities

# Motheo Copper Project

## Building a world-class copper mine

### Development of the Motheo Copper Mine (3.2Mtpa):

- Proceeding on time with first production scheduled from the June Quarter of FY2023
- Construction activities are well advanced with over 1,700 personnel on site, over 9,200m<sup>3</sup> of process plant structural concrete poured and 950t of structural steel erected to date

### 5.2Mtpa Motheo Expansion Case DFS:

Positive DFS confirms strong business case for development of the A4 Deposit as part of an expanded **5.2Mtpa Motheo Production Hub**

Outstanding project economics including a pre-tax NPV<sub>7%</sub> of **US\$548M** and IRR of 29%

**Sandfire intends to fund** the development of the Motheo Copper Mine through a combination of cash and project debt:

- Selection of syndicate of international banks for the debt facility complete and credit committee approvals received
- Facility based on 3.2Mtpa development, with integration of the 5.2Mtpa Motheo Expansion Case DFS expected following grant of the A4 Deposit Mining Licence

# 5.2Mtpa Motheo Expansion

## Expansion Case DFS

**Combined Total Ore Reserve** for both the A4 Deposit and T3 Deposit:

- **49.6Mt at 1.0% Cu and 14g/t Ag for 474kt of contained copper and 21.3Moz of contained silver**<sup>1</sup>

<sup>1</sup> Refer to the Company's ASX announcements titled, 'A4 Ore Reserve and Motheo Expansion PFS' dated 22 September 2022, and 'Sandfire Approves Development of new Long-life Copper Mine' dated 1 December 2020 for details.

**DFS shows outstanding project economics** from an expanded 5.2Mtpa processing operation, mining both the T3 and A4 Deposits:

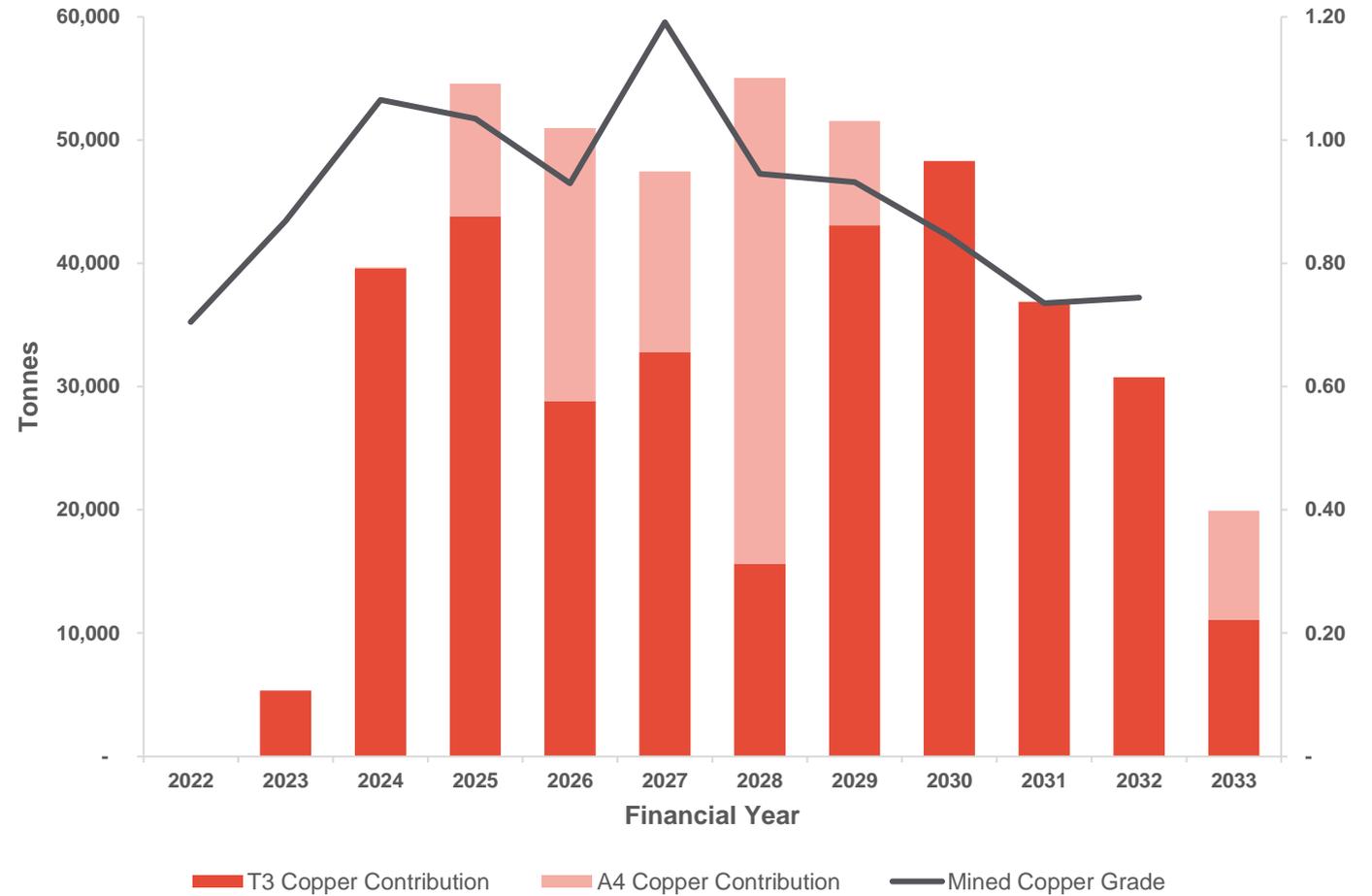
- Pre-tax NPV<sub>7%</sub> of **US\$548M** and IRR of 29%
- 10 year mine life, **peak production of 55ktpa**
- **440kt Cu and 18.4Moz Ag LOM production**
- LOM all-in sustaining costs of **US\$1.79/lb**

Total development capital for the Motheo Copper Project expansion case estimated at **US\$397.4 million**, incorporating development costs for the A4 Open Pit and 5.2Mtpa plant expansion of US\$47.9 million

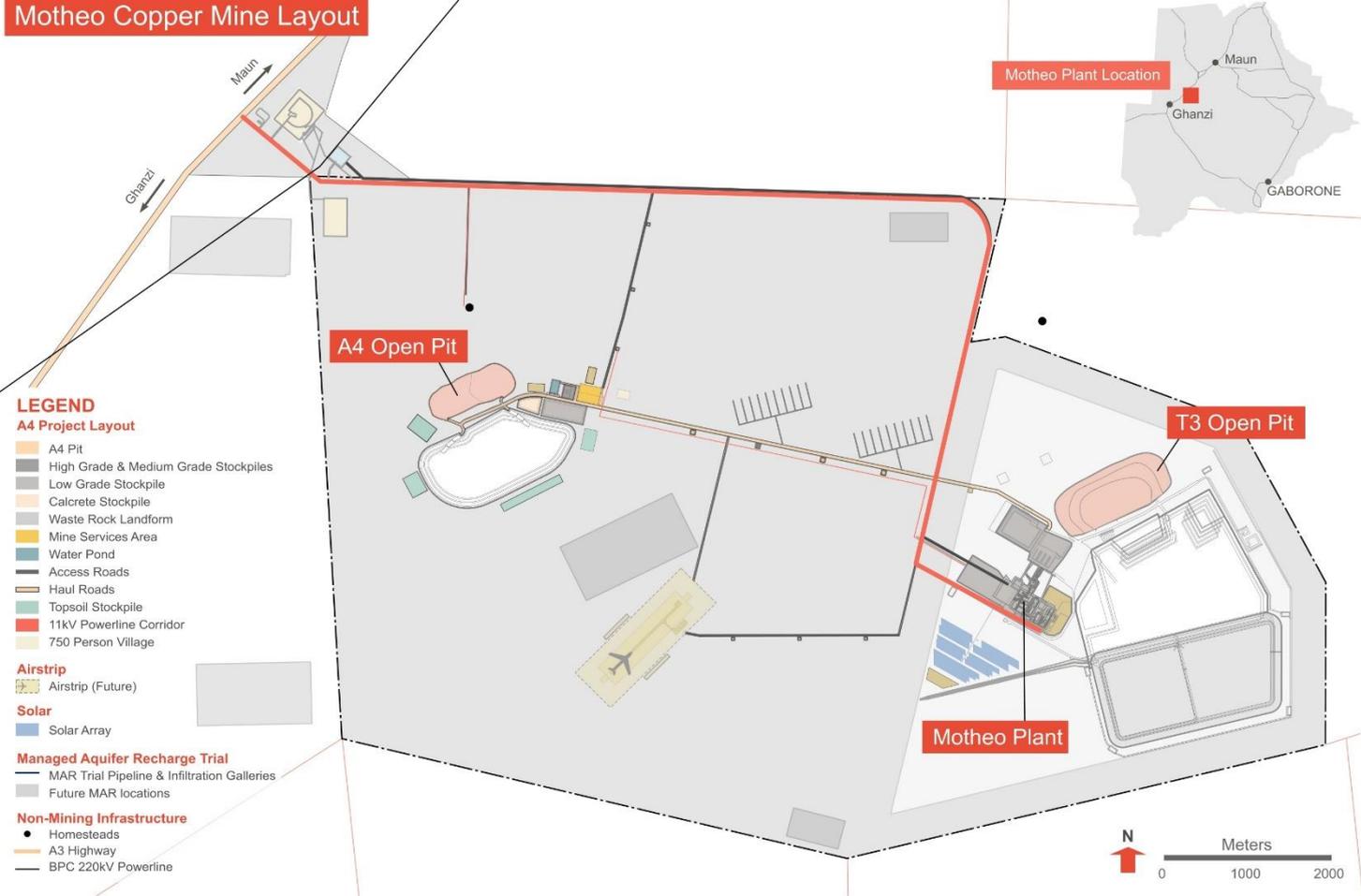
Subject to contract award timing, site construction activities for the process plant expansion are scheduled to commence in the **March Quarter of FY2023** with increased plant throughput at 5.2Mtpa expected to commence in the **March Quarter of FY2024**

# 5.2Mtpa Motheo Expansion

Copper production ramping up to peak ~55ktpa



# Motheo Copper Mine Proposed Mine Layout



# Motheo Copper Mine

## 5.2Mtpa Construction & Development Capital

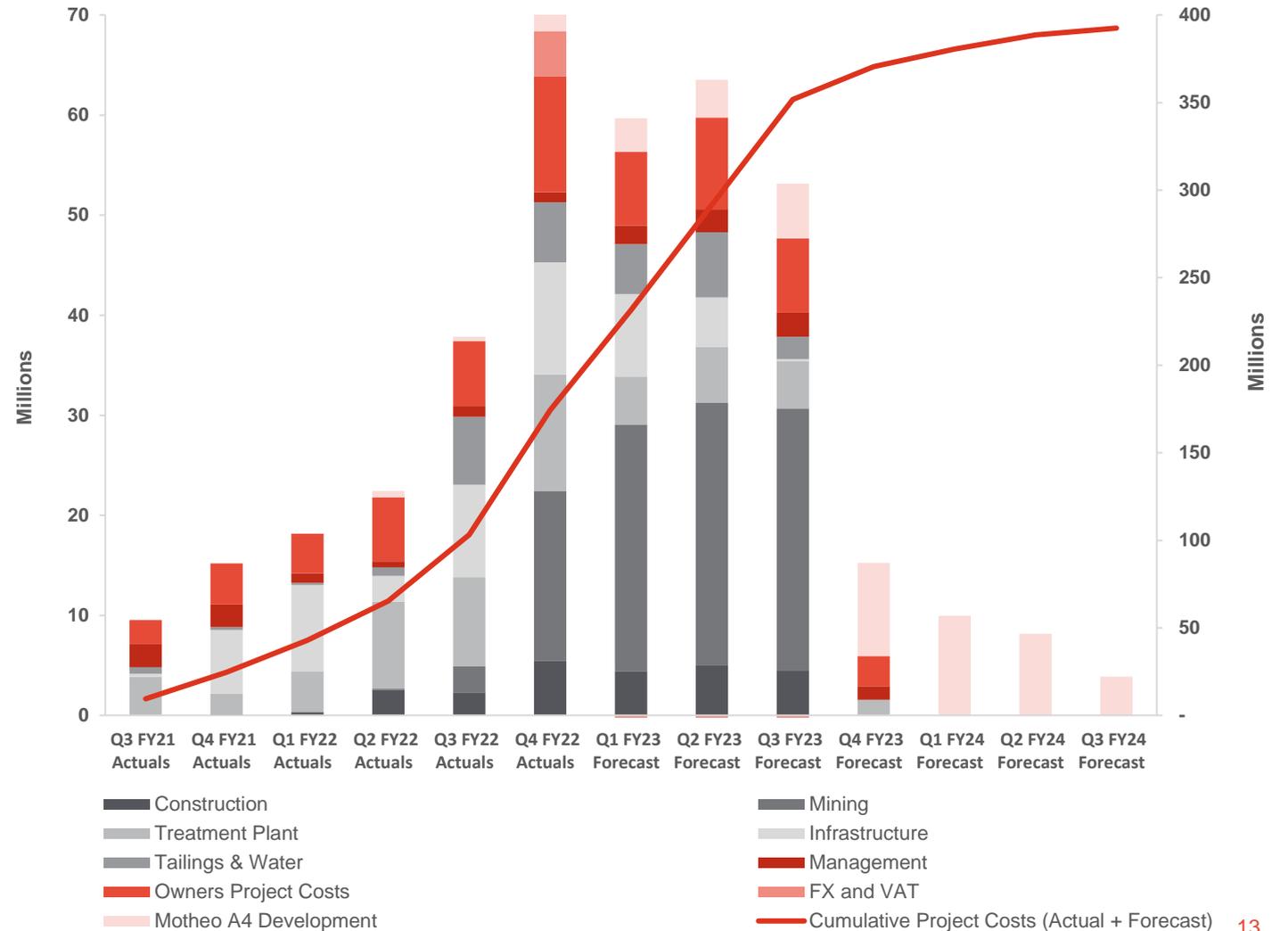
In US\$

**Development capital** estimated at **\$397.4M**  
(displayed in graph)

- Motheo (3.2Mtpa and T3) \$325.5M
- Motheo (5.2Mtpa expansion and A4) \$71.9M

At 31 July 2022, \$185.4M invested

**LOM capital** estimated at **\$499M**

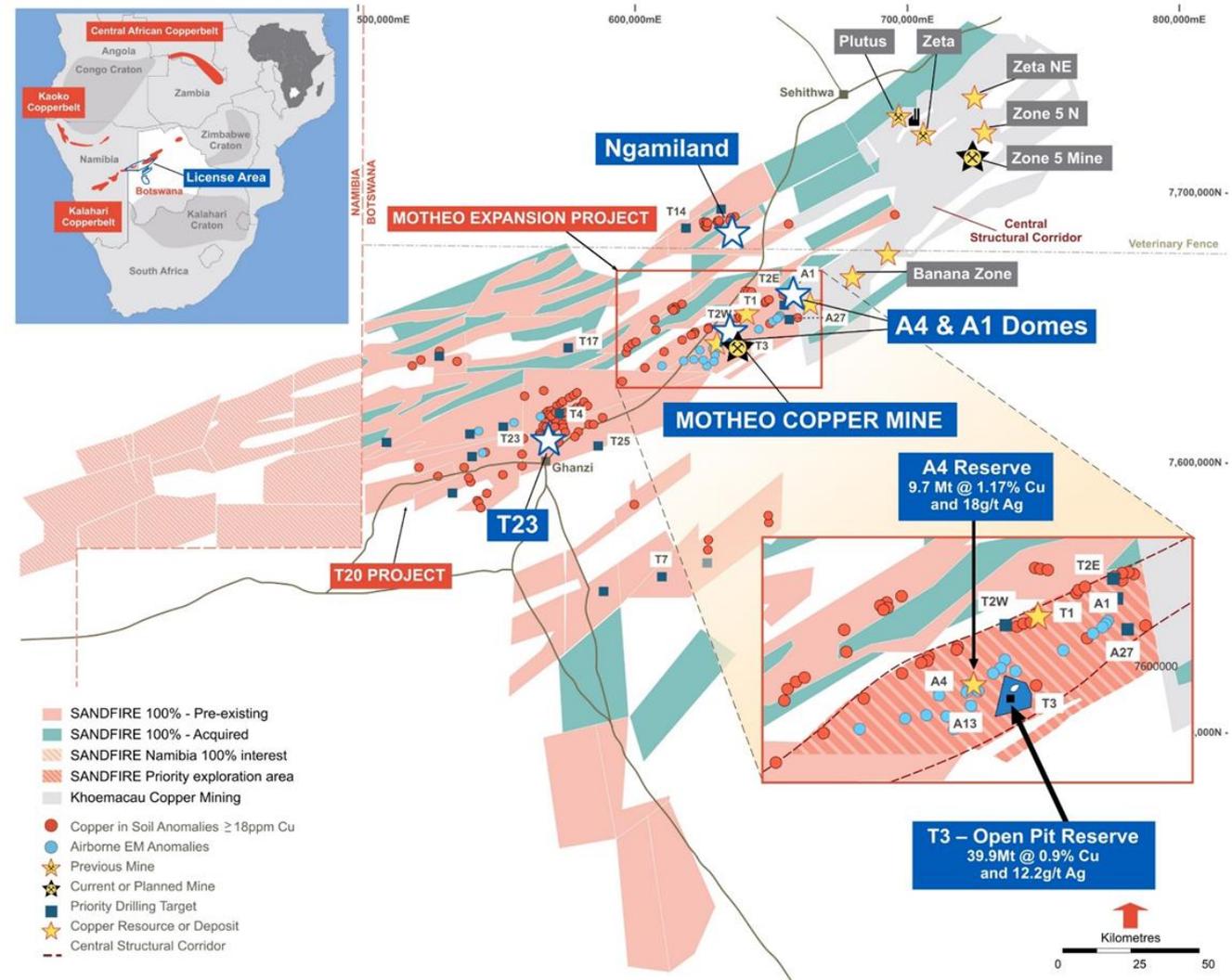


# Motheo Exploration

## Dominant position in an emerging belt

### Land holding more than 26,000km<sup>2</sup> of the Kalahari Copper Belt

- Under explored and globally significant copper terrane
- Only 643 holes drilled in 15 years of regional exploration
- Regional geophysical data collection to enable a holistic basin scale approach to targeting
- Collaborative relationships with academia and industry counterparts to increase geological understanding



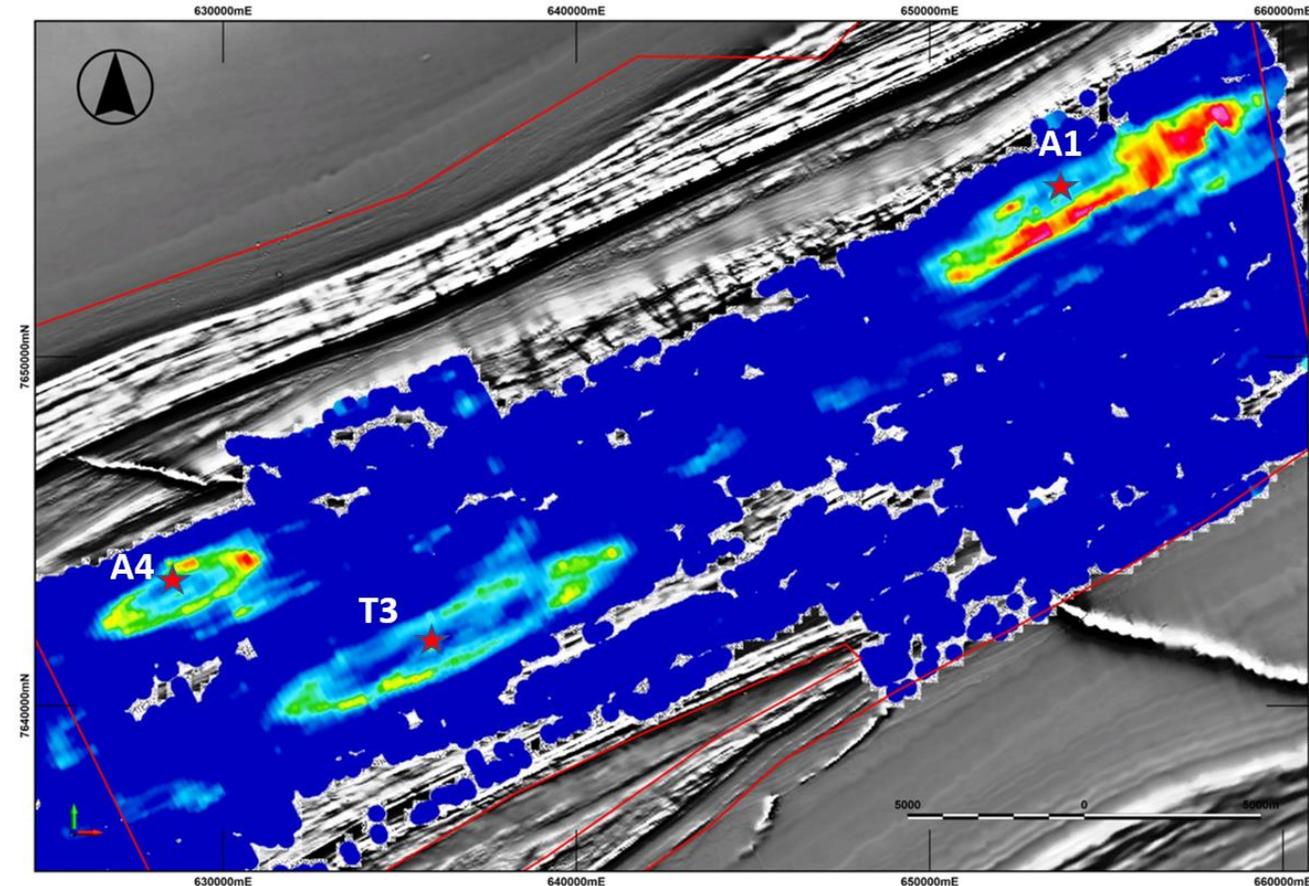
# Motheo Exploration

## A1 Dome

### The next highly prospective exploration target

- 19km from the Motheo Processing Facility
- Similar structural and lithological setting as T3 and A4 domes
- More than 9km strike length of the prospective lower D'Kar formation identified through drilling and geophysical surveys
- MOD Resources<sup>1</sup> completed 6 holes, targeting the deeper NPF contact and returned:
  - 7m @ 0.9% Cu and 14g/t Ag (MO-A1-002D from 190m)
  - 19m @ 0.8% Cu and 6g/t Ag (MO-A1-003D from 660m)
  - 130m @ 0.5% Cu and 3.5g/t Ag (MO-A1-005D from 590m)
  - 52m @ 0.6% Cu and 4.6g/t Ag (MO-A1-006D from 624m)

<sup>1</sup> Refer to MOD Resources Ltd ASX Announcement, titled 'A1 Dome Delivers Significant Copper in Initial Drilling', dated 15 November 2018.



Regional AEM data which highlights the relative conductivity of the lower D'Kar Formation



# Motheo Copper Mine Development and Construction Pictorial Update

## Motheo Copper Mine Development and Construction Pictorial Update



### Motheo Mine Village

- 752 rooms completed and in use
- Village buildings all completed
- Landscaping planning underway

## Motheo Copper Mine Development and Construction Pictorial Update



### T3 Open Pit Mining Continues

- AMS pre-strip work on a 24-hour basis
- All 4 Excavators - 2 EX1900 and 2 EX2600 operational
- Initial fleet of 12 trucks on site and operational
- 890,000 BCM total material movement during July 2022
- Drill and blast activities on full 10m benches
- Waste haulage to Tailings Storage Facility (TSF) 75% complete

## Motheo Copper Mine Development and Construction Pictorial Update



### TSF under construction

- Bulk waste haulage and placement 75% complete
- Lining and basin preparation progressing



### TSF under construction

- AMS bulk waste North Wall (foreground)
- Basin liner and drainage progressing

## Motheo Copper Mine Development and Construction Pictorial Update



### T3 Deposit Mine Pit area

- Stage 1 Pit and haul road network
- Clearing for temporary water storage pond underway



### Dewatering Ponds Area

- Dewatering pond lining underway
- Haul roads nearing completion

## Motheo Copper Mine Development and Construction Pictorial Update



### Motheo Process Plant area overview

- Process Plant with ROM pad in background
- Administration buildings (right of picture) now in use



### Mining Services Area overview

- AMS Mining workshop foundations advanced
- Crib room and shift change buildings complete

## Motheo Copper Mine Development and Construction Pictorial Update



### Motheo Process Plant area

- Primary crusher and ROM wall in foreground
- Final lift of ROM wall back-fill underway



### Substation area

- 132/11kV Substation civils and mechanical complete
- 11kV Switch room in foreground

## Motheo Copper Mine Development and Construction Pictorial Update



### Primary Crushing

- View over partially erected stockpile feed conveyor



### ROM Backfill

- Upper ROM backfill progressing



### Water Service area

- Water Service area progressing

## Motheo Copper Mine Development and Construction Pictorial Update



### Tank and Mechanical install

- Reagent tanks installed, mechanical install progressing



### Grinding

- SAG Mill operating floor ready for Mill installers



### Grinding

- HV MCC under construction

# Key Takeaways



## Strong growth platform

Copper-dominant mining operations in Spain and Australia generating strong operating cash-flows



## Global vision

Our transformation into a diversified, international and sustainable mining company



## New Production Hubs

Construction of the Motheo Copper Mine in Botswana progressing with 5.2Mtpa case confirmed



## Strong Pipeline

High quality development opportunities and a global exploration portfolio in Tier-1 jurisdictions

Global exploration push



## Refreshed and focused

An international exploration, development and mining operations team strongly aligned with our growth objectives

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