



## Expanding horizons From strong foundations

- ✔ Strategic reset to support global expansion
- ✔ Strong development, exploration pipeline
- ✔ Continued strong production and cash-flow

Karl Simich, Managing Director & CEO

Diggers & Dealers – 14 October 2020

Tshukudu T3 Drill Core





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This presentation should be read in conjunction with the June 2020 Financial Report released today.

**This announcement is authorised for market release by Sandfire's Managing Director and CEO, Karl Simich.**

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## Overview

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Leading ASX-listed  
copper company

- **Strategic growth plan, board and executive** structures set for next stage of growth as a diversified international mining company
- **Record FY2020 production** 72,238t Cu, 42,263oz Au at C1 US\$0.72/lb
- **Record FY2020 revenue** \$656.8m, \$74.1m net profit, \$291.1m cash and no debt
- **Strong start to FY2021:** September 2020 Quarter production of 19,400t Cu, 11,683oz Au, positioning us for upper end of guidance 67-70kt Cu and 36-40koz Au
- **New growth platform in Botswana** – optimisation of the T3 Copper-Silver Project scoping larger-scale production hub; Optimised Feasibility Study due Q2 FY2021
- **Dominant 18,400km<sup>2</sup> ground-holding in new copper province** – emerging discovery at A4 Dome, 8km from T3, with maiden resource set for Q2 FY2021
- **Black Butte Copper Project, USA** – permitting complete and FS completing
- **Strongly leveraged to copper market upside**

## Our Strategic Growth Plan

Creating Opportunity



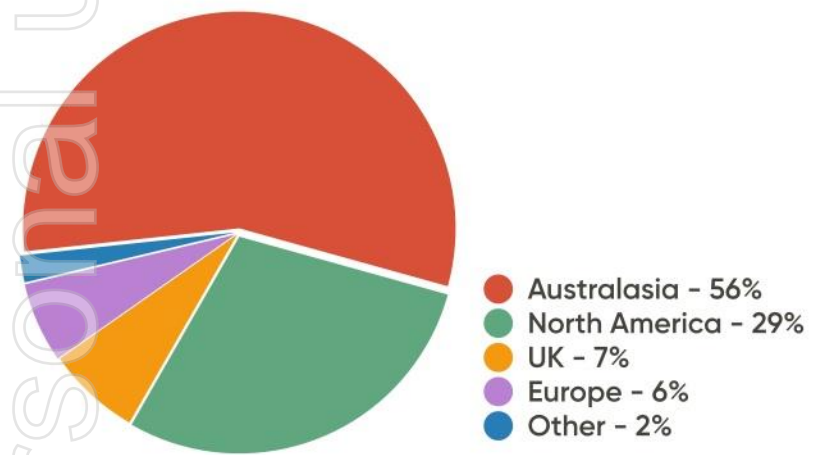
# Corporate | Overview and Key Assets



## Key Corporate Data

Market Index	ASX 200
Issued Capital	178.25 million shares
Cash	\$291 million (30/06/2020)
Debt	Nil
Market Capitalisation	~\$757 million (at \$4.35)

## Geographic Analysis of Investors



## Key Assets

Building a diversified portfolio of high-quality base metal assets



### Operating Mines

- **DeGrussa Operations, WA**
  - DeGrussa Copper-Gold Mine
  - Monty Copper-Gold Mine

### Development Pipeline

- **Tshukudu, Botswana**
  - T3 Copper-Silver Project
  - A4, T1 Expansion Projects
- **Black Butte Copper Project, USA (85%)**

### Exploration Portfolio

- **Greater Doolgunna Project, WA**
- **East Coast Portfolio (NSW, Qld)**
- **Kalahari Copper Belt, Botswana and Namibia, ~18,400km<sup>2</sup>**

## Tshukudu

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Expanding  
horizons in  
Botswana



### **Tshukudu, Botswana**

- T3 Copper-Silver Project
- A4, T1 Expansion Projects
- 18,400km<sup>2</sup> exploration portfolio (Botswana and Namibia)



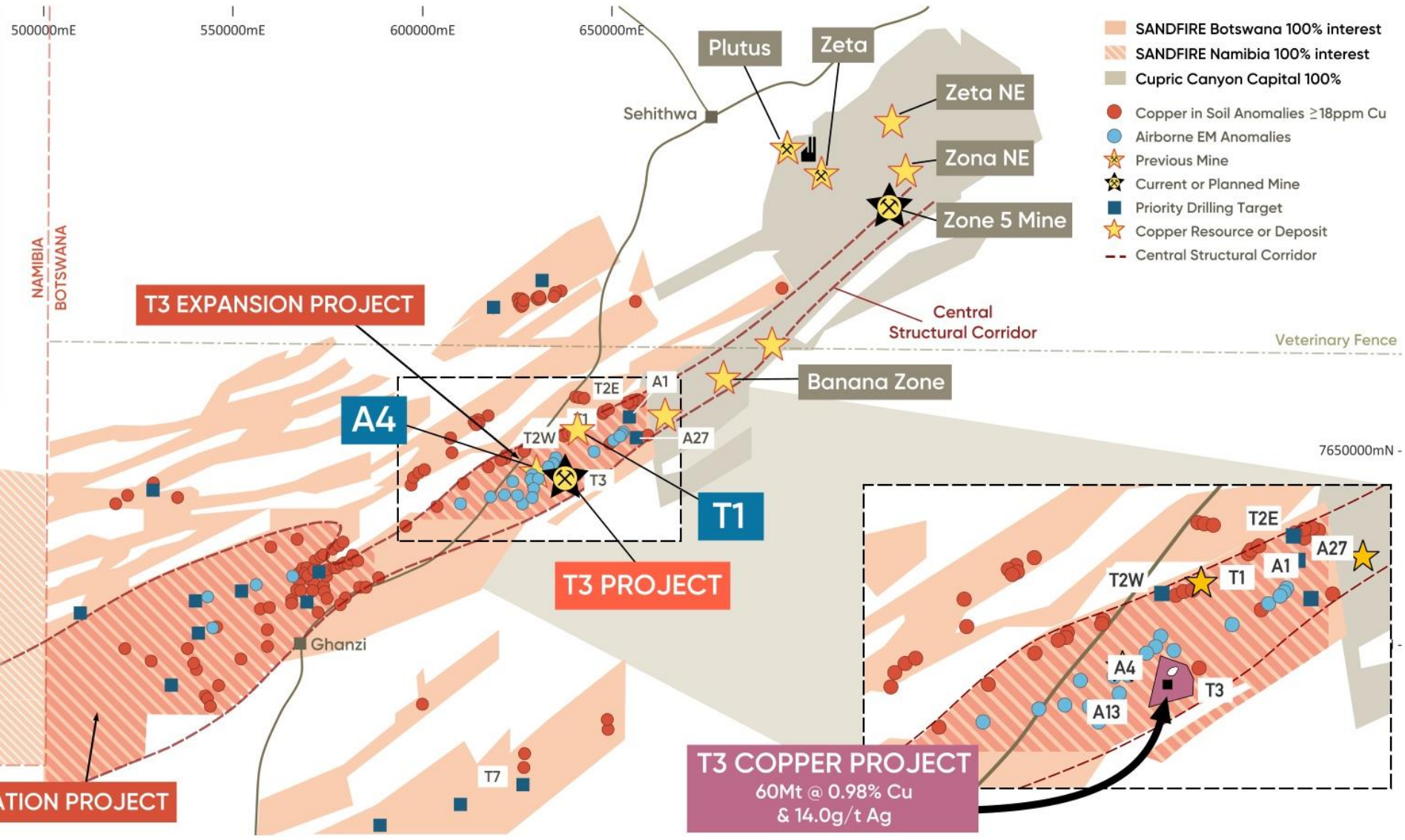
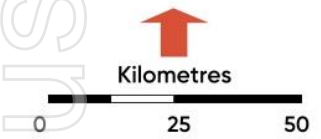
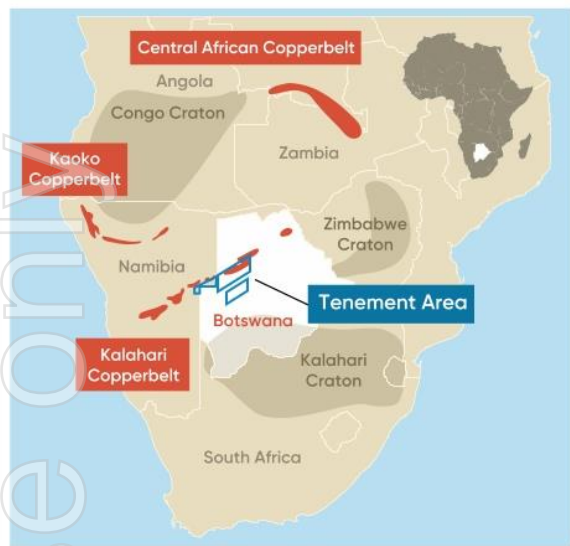
## Tshukudu

### Overview

- Emerging significant Copper-Silver Project
- Dominant exploration licence-holding (~18,400km<sup>2</sup>) in under-explored Kalahari Copper Belt, Botswana
- Safe, democratic, politically stable and mining-friendly jurisdiction
- Supportive Government (rated #1 in Africa and #45 globally by Fraser Institute Annual Survey of Mining Companies)
- Skilled workforce, good infrastructure and sound mining legislation and environmental controls
- Strong development support with the project able to leverage off extensive local infrastructure – Government extending grid power to within 12km of the T3 Project



# Tshukudu | Overview

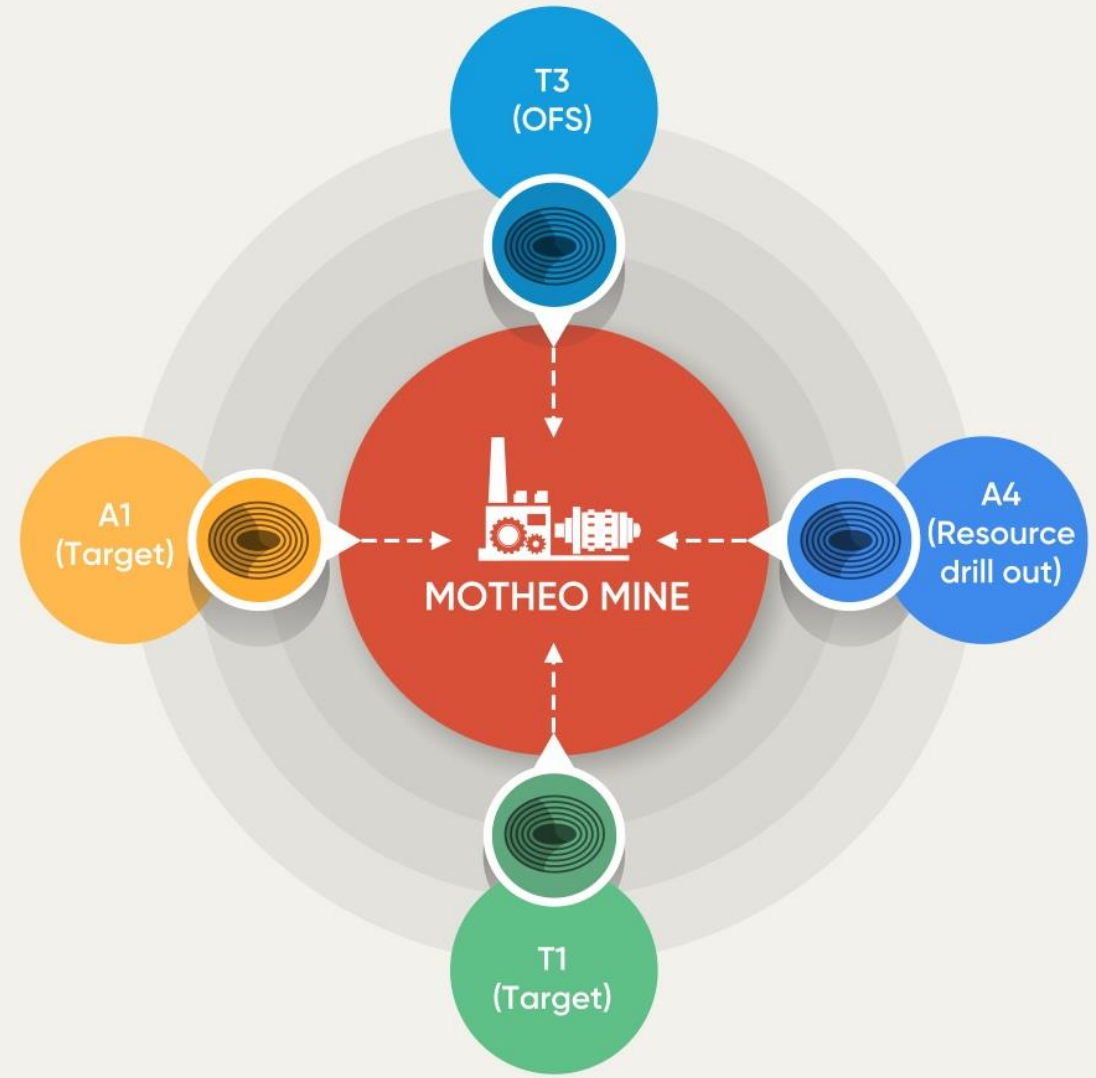




## Motheo Production Hub

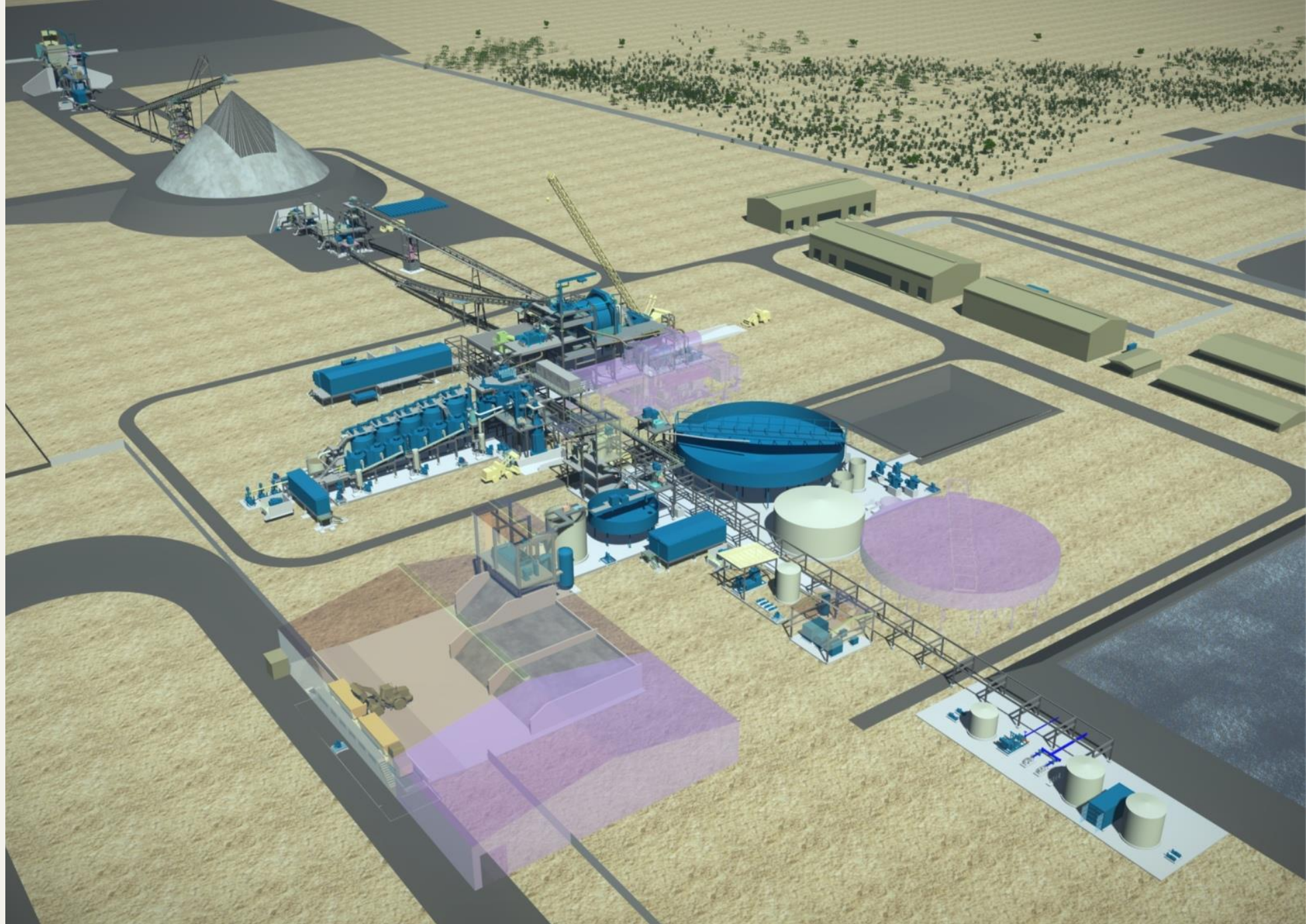
5.2 Mtpa  
expansion case

- Emerging production hub concept within T3 Expansion Project Area
- Progressing in parallel with Optimised Feasibility Study (OFS) of T3:
  - 3.2Mtpa base case for OFS (T3 Pit)
- Operating scale scenarios:
  - 5.2Mtpa expansion case (adding A4, maintaining mine life)
  - Extending mine life (targets at A1, T1, T2W & T2E, A27 and A13 within ~30km radius of proposed Motheo Mine)



# Motheo Production Hub

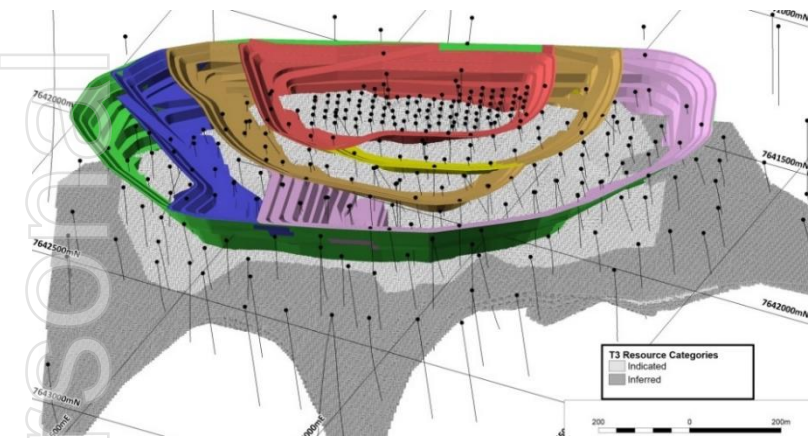
## Treatment Plant Layout





# Tshukudu | T3 Copper-Silver Project

- Optimised Feasibility Study nearing completion
- ESIA approval received from Department of Environmental Affairs
- Mining Licence Application to be submitted
- Funding scenarios continue to progress in parallel – significant interest from financial institutions
- Early engineering works underway



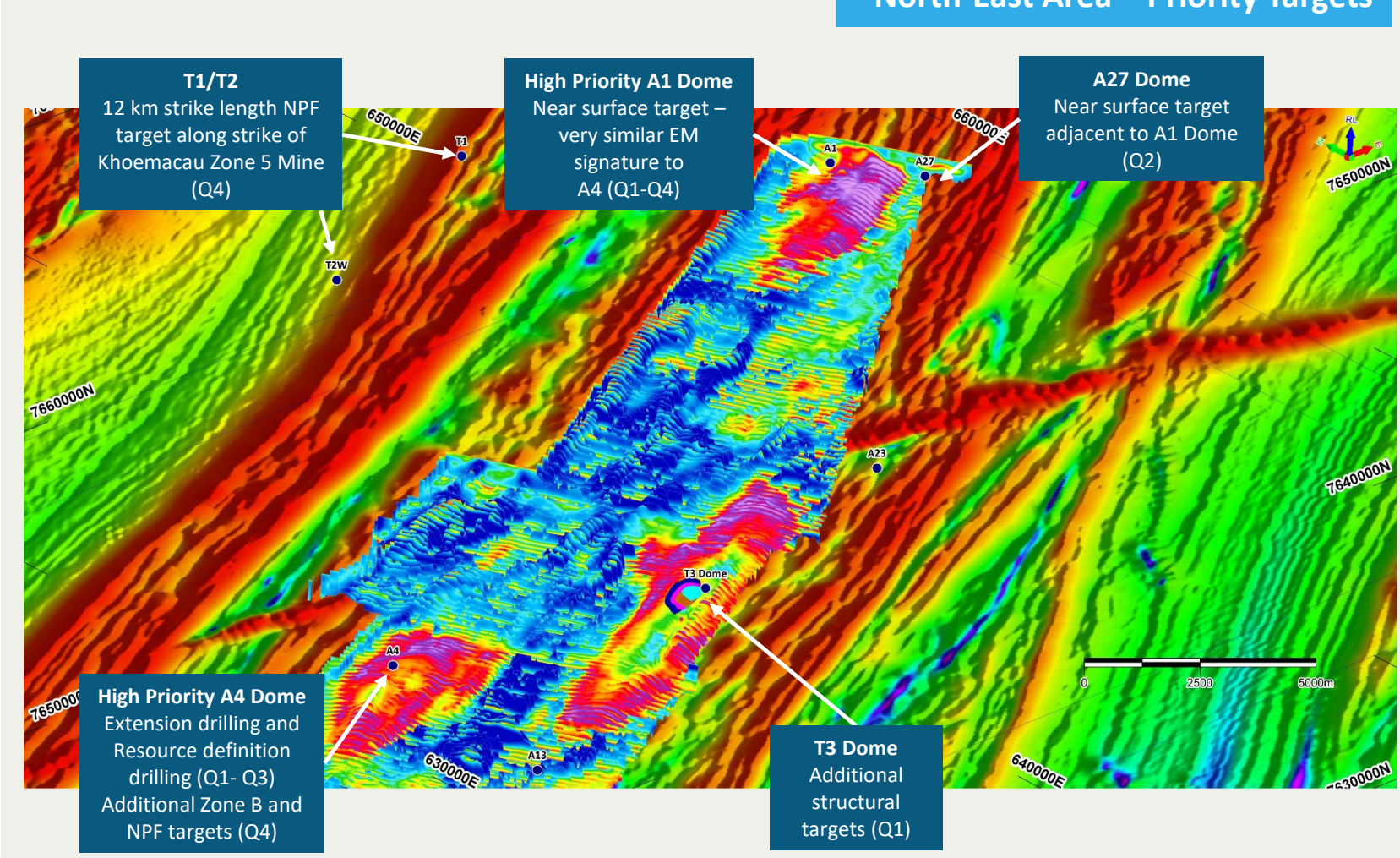


# Tshukudu | Expanded Near-Mine Exploration Program



- Expanded exploration under way to:
  - Target high-grade satellite discoveries with potential to expand T3 scale
  - Delineate additional resources with the potential to extend T3 mine life
  - Target major new regional discoveries to unlock the belt's broader potential
- Initial focus within the ~1,000km<sup>2</sup> T3 Expansion Project
- Resource drilling focused on the A4 Dome, a >5km long target 8km west of T3
- A4 Dome identified by AEM and drilled initially by MOD Resources Ltd in 2018
- Immediate success by Sandfire with significant shallow zone of copper mineralisation identified at A4 Dome

## Tshukudu Exploration: North-East Area – Priority Targets

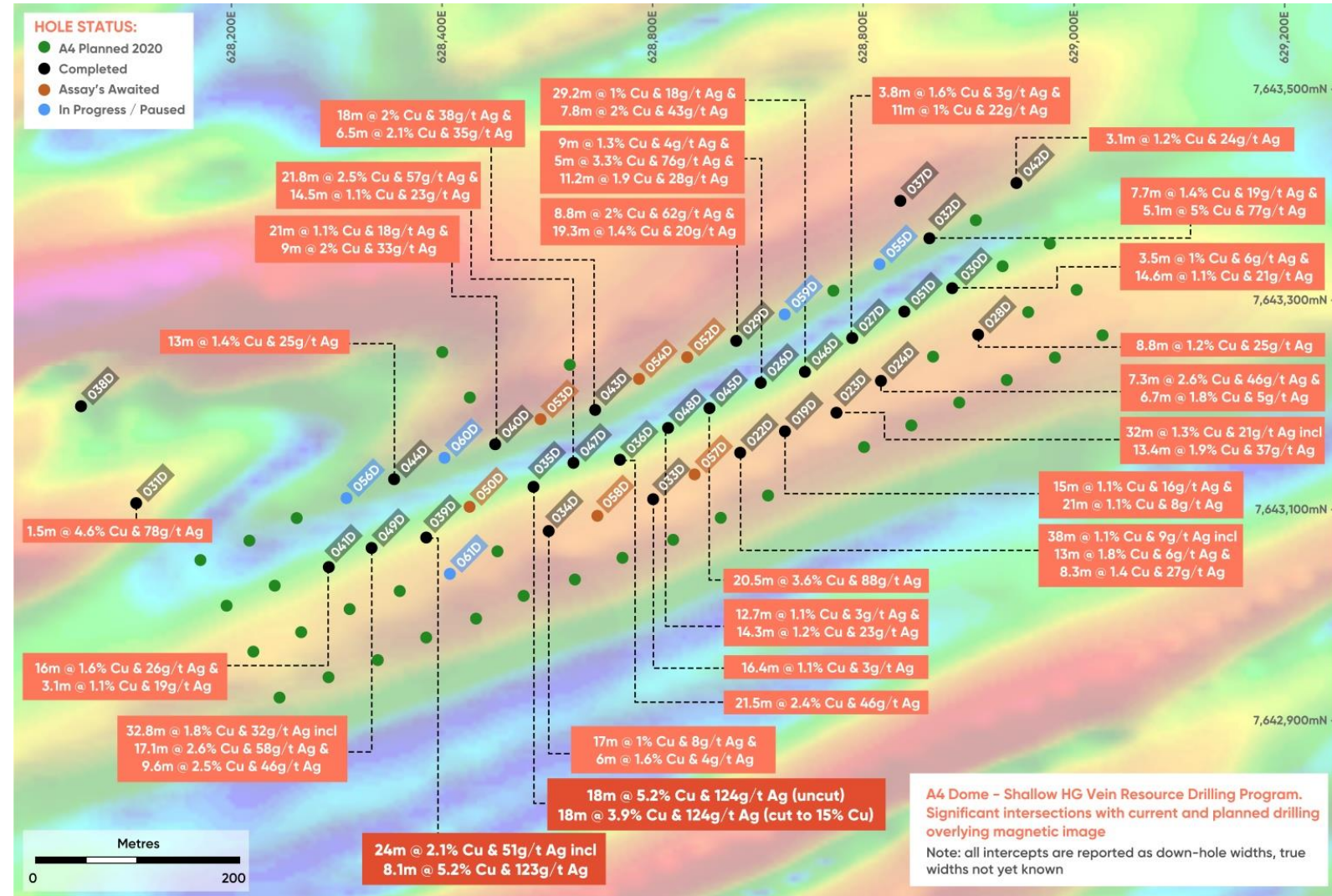




# Tshukudu | A4 Resource Drilling Program



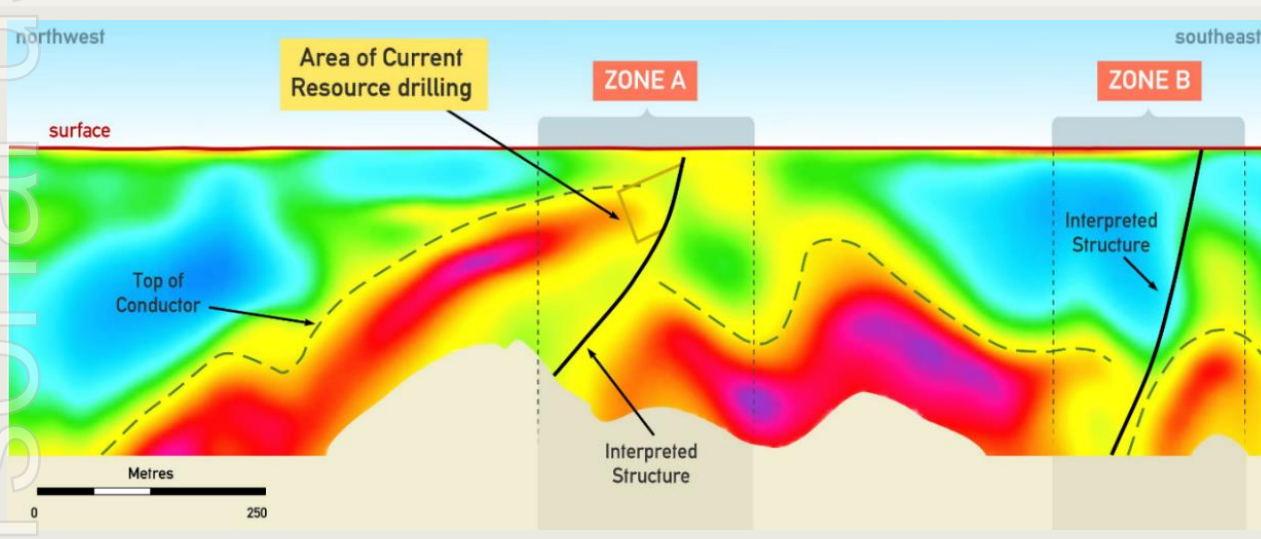
- Discovery progressing towards maiden Mineral Resource:
  - 6 diamond rigs at A4 with high-grade vein-hosted copper intersected in many holes at shallow depth
  - A4 the first potential satellite deposit to be tested, only 8km from T3
  - After A4, drilling is planned to focus on potential for similar type mineralisation at A1, 20km east of A4
  - Additional high-priority drilling targets within T3 Expansion Project include T1, T2W & T2E, A27 and A13





# Tshukudu | Regional Exploration

- Exploration strategy:
  - Targeting high-grade satellite discoveries with potential to expand the scale of Motheo as a central production hub
  - Identification of several new high-priority structural targets for drilling; drilling underway
  - Re-processing of AEM data continuing to open up the wider potential within the 18,400km<sup>2</sup> Tshukudu Exploration Project and major AEM survey planned to cover other regional structural zones once restrictions have been lifted



A4 Dome: (MO-A4-035D) 18m @ 5.2% Cu & 124g/t Ag from 77m down-hole, or 18m @ 3.9% Cu & 124g/t Ag (top-cut to 15% Cu) – announced 17 April 2020



## DeGrussa

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Strong  
foundations in  
Western Australia



### DeGrussa Operations, WA

- DeGrussa Copper-Gold Mine
- Monty Copper-Gold Mine

### Exploration

- Greater Doolgunna Project, WA
- East Coast Portfolio (NSW, Qld)



## DeGrussa Operations

High-grade, high-  
margin production  
profile



CUMULATIVE PRODUCTION TO END OF FY2020

**over 554,000**

TONNES OF CONTAINED COPPER

**319,000**

OUNCES OF CONTAINED GOLD

**\$4.2 billion**

IN CUMULATIVE SALES REVENUE

**\$2.1 billion**

IN CUMULATIVE OPERATING CASH-  
FLOW TO END OF FY2020  
(prior to exploration and evaluation  
expenditure)

**\$198 million**

(\$1.21 PER SHARE)  
IN CUMULATIVE  
DIVIDENDS TO SHAREHOLDERS

**\$640 million**

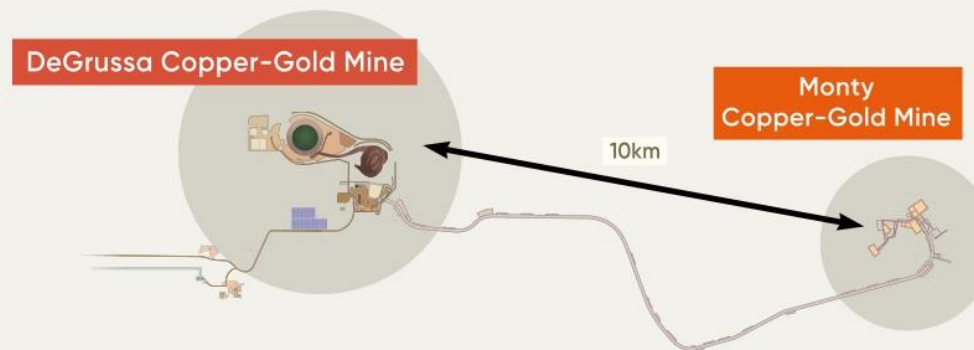
IN CUMULATIVE NET PROFIT  
AFTER TAX  
(attributable to members)



# DeGrussa Operations | Consistent High-Grade Production



- 1.6Mtpa Concentrator fed by two underground mines – DeGrussa and Monty
- Record FY2020 annual production and costs
- Concentrator performing well with FY2020 recoveries averaging 93% for Cu and 46% for Au
- Strong September 2020 Quarter: 19,400t Cu and 11,683oz Au
- FY2021 production guidance: upper end of 67-70kt Cu and 36-40koz Au



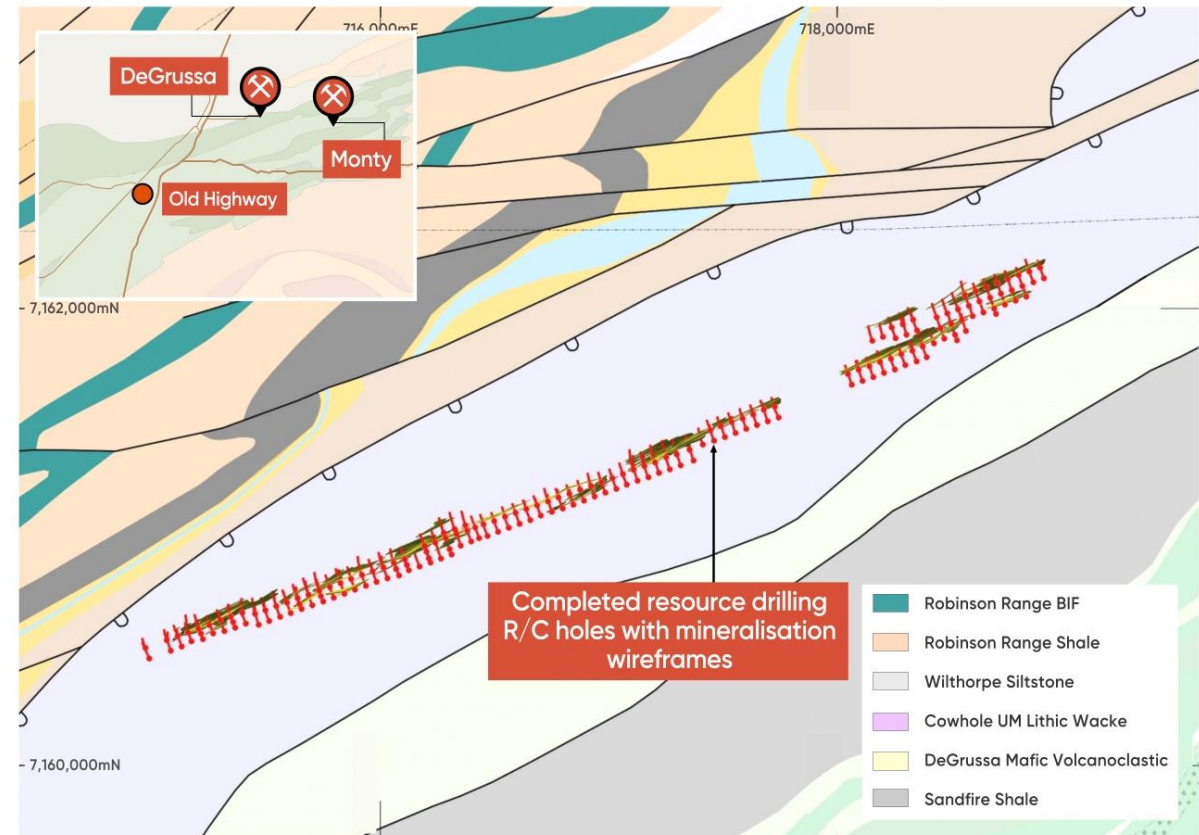
## PRODUCTION OVERVIEW – Key Figures

Production	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Copper (Cu)	64,017t	67,690t	67,154t	68,202t	67,088t	64,918t	69,394t	72,238t
Gold (Au)	42,679oz	33,893oz	37,386oz	37,612oz	38,623oz	39,273oz	44,455oz	42,263oz
C1 Cost (US\$/lb)	1.24	1.18	1.09	0.95	0.93	0.93	0.83	0.72

# DeGrussa Operation | Gold Resource Strategy

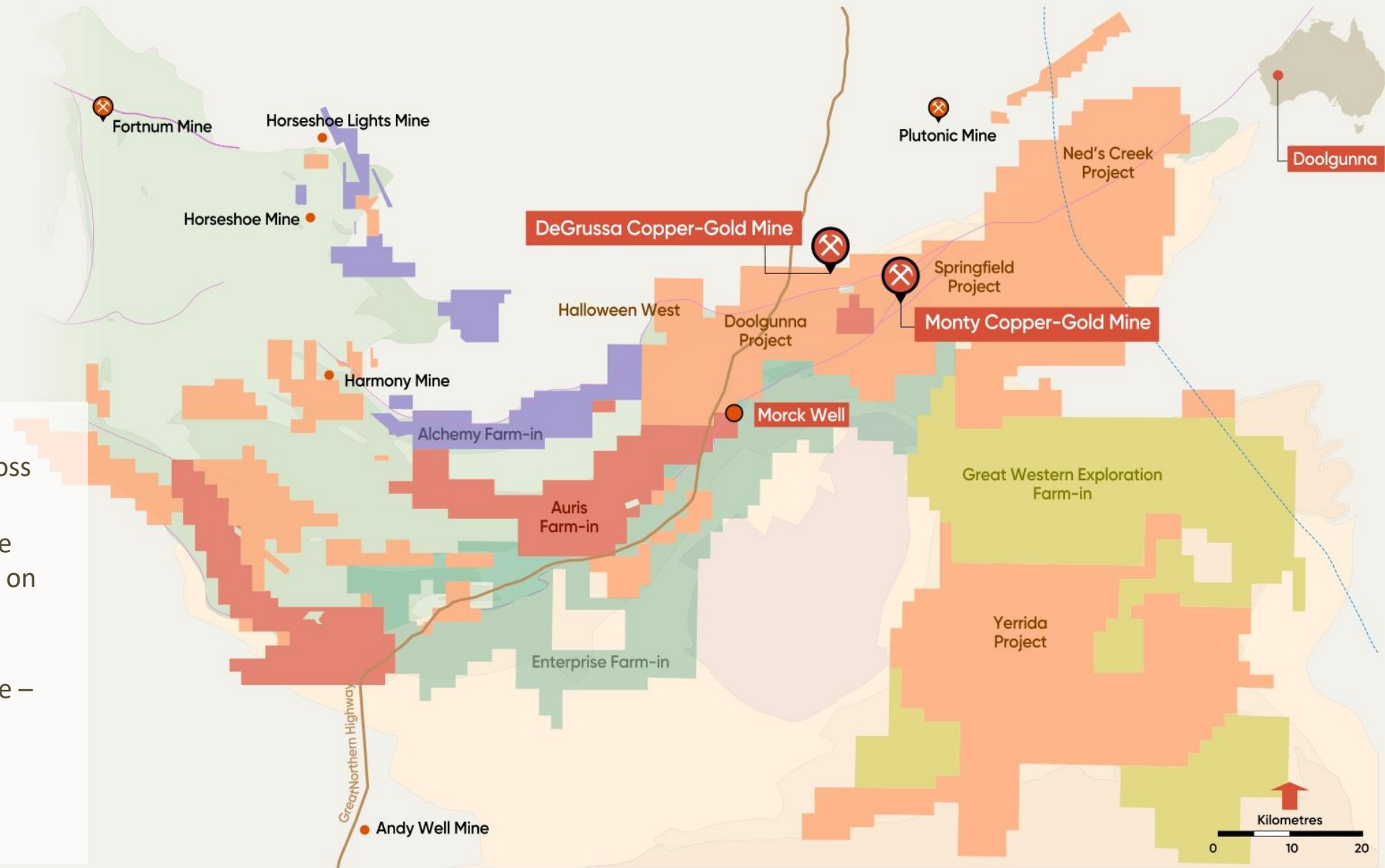


- Transition to gold production at DeGrussa with potential development of Old Highway:
  - Synergies with the DeGrussa Tailings Gold Retreatment Project studies
  - Initial phase of resource definition drilling designed to test the extent of gold mineralisation hosted in discrete quartz veining associated with shearing in sediments
  - Primary mineralisation observed to date occurs in cubic pyrite associated with discrete quartz veining and sericite alteration
  - Inferred Mineral Resource will be completed by end Q2 FY2021 with scoping studies to follow
- Resource Drilling Programme:
  - Stages 1 & 2 (50m x 50m) pattern completed in August
    - 180 R/C holes for 27,880m
    - 4 structural NQ DDHs for 1,753m
    - 3 metallurgical PQ DDHs for 670m





# DeGrussa | World-Class VMS Exploration Project



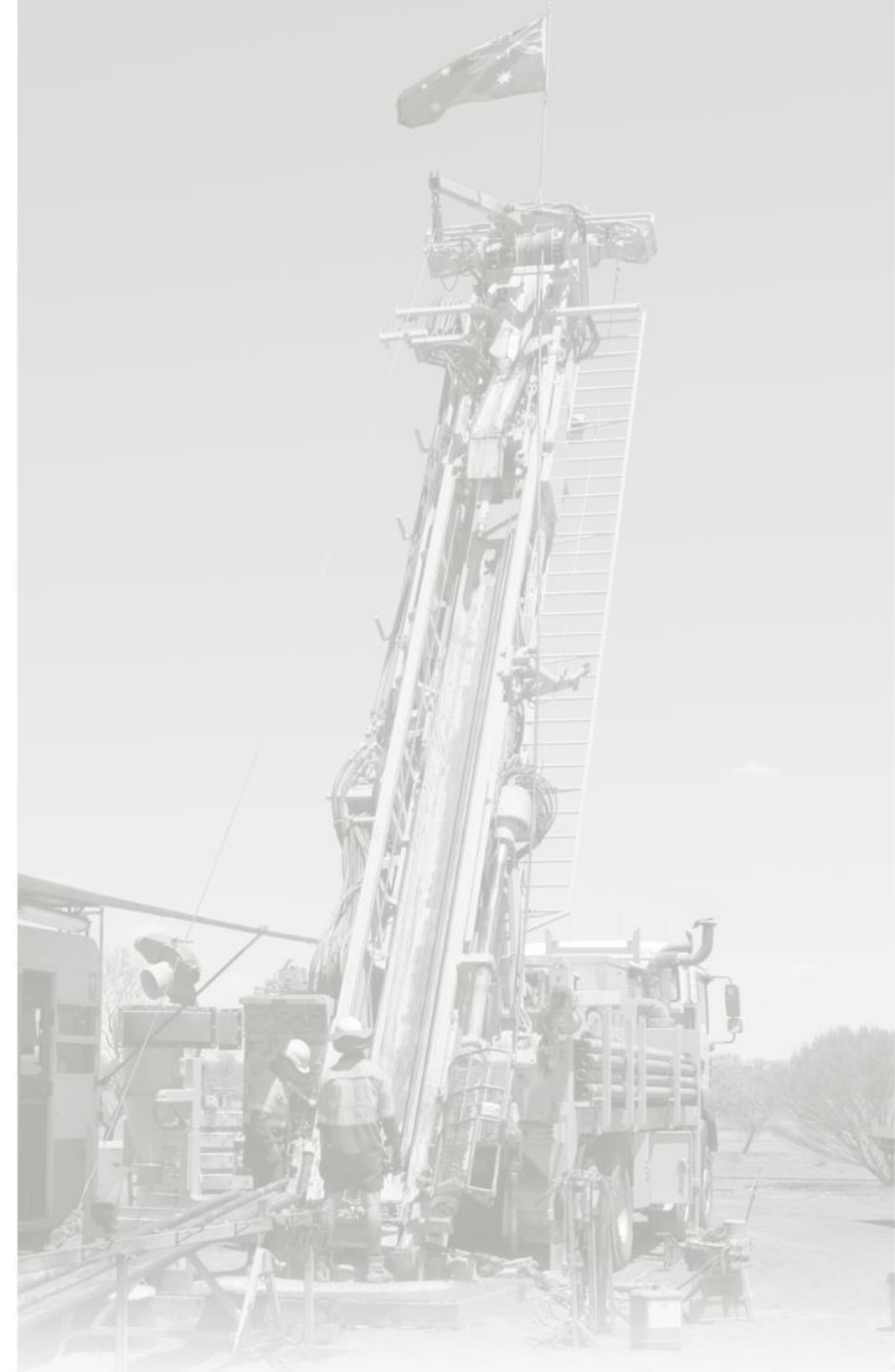
- Strategic 7,189km<sup>2</sup> footprint across the Bryah Basin
- 80km strike length of prospective VMS lithologies – strategic focus on southern limb of Bryah Basin
- Three centres of sulphide mineralisation discovered to date – DeGrussa, Monty, Morck Well
- Extensive and multi-pronged exploration programs

## DeGrussa

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### Multi-Pronged Exploration Strategy

- DeGrussa exploration strategy:
  - Accelerate discovery to extend mine life
  - Focus on Mineral System Element Processes for deep targeting
  - 22 favourable structural corridors identified in the Sandfire managed tenure
  - Basin-scale geodynamics review underway
  - Rolling out new geophysical technology to allow deeper targeting
  - Continue first-pass exploration in prospective areas of the Bryah never previously explored for copper
- Targeted eastern states regional exploration programs also continue into FY2021





## **Black Butte**

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Montana, USA



**Black Butte Copper Project, Montana, USA (85%)**

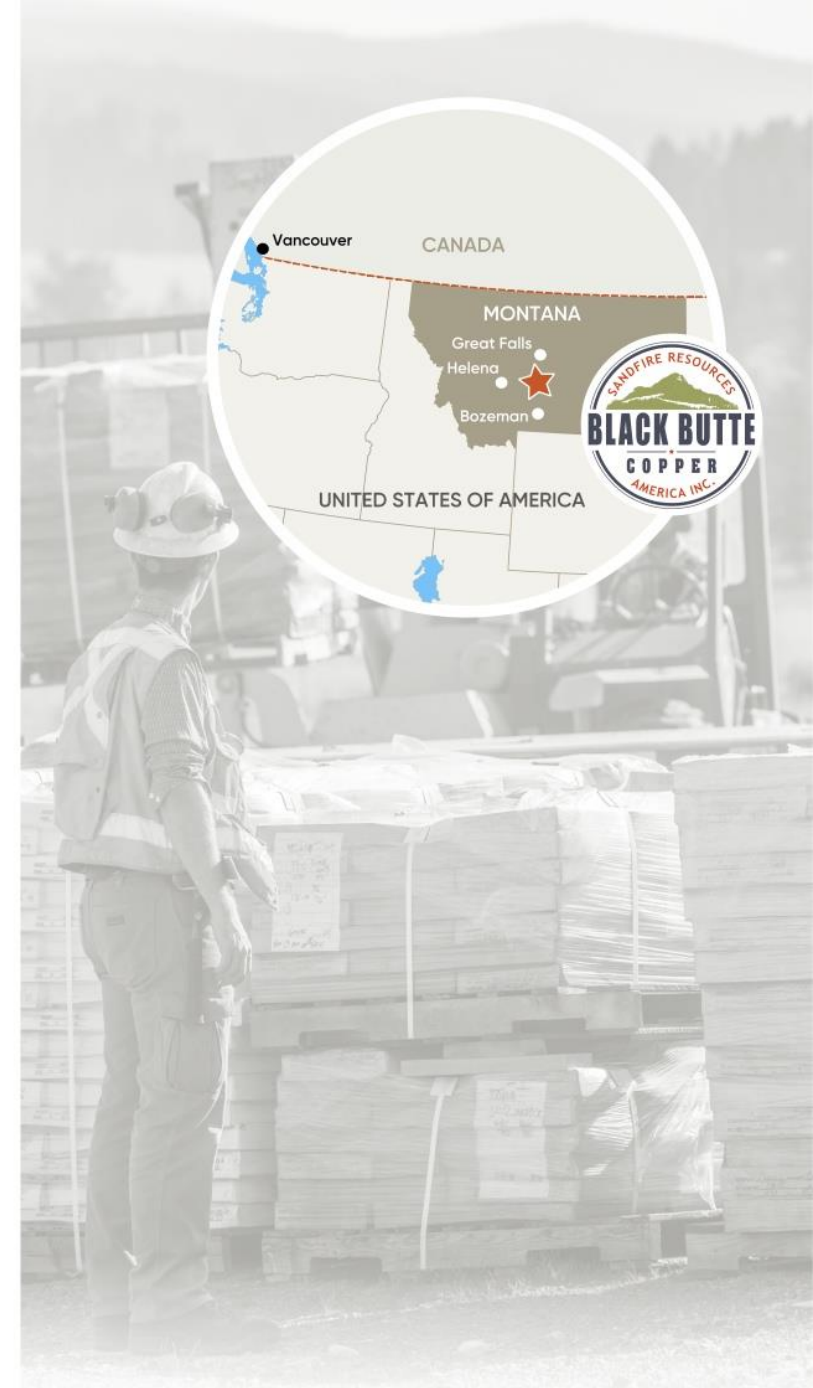
## Black Butte Project

High-grade development asset in Montana, USA

- Advanced, high-grade copper resource:
  - Environmental Impact Statement (EIS) and Record of Decision (ROD) issued
  - Legal challenge to state permitting process
  - Feasibility Study (FS) completing
  - NI 43-101 Mineral Resource estimate for the Johnny Lee Deposit:

Mineral Resource (100%)	Mt	Cu Grade (%)	Contained Cu (kt)
Measured & Indicated	10.9	2.9	311
Inferred Resource	2.7	3.0	80

- Sandfire’s interest in the Black Butte Copper Project, located in central Montana USA, is held via its 85% interest in Sandfire Resources America Inc. (TSX-V: SFR). The Mineral Resource excludes the Lowry deposit. Mineral Resource at a 1.0% Cu cut-off grade. Refer to Sandfire’s ASX Announcement dated 30 October 2019, titled, ‘Updated Mineral Resource Completed for Johnny Lee Deposit, Black Butte Copper Project, USA’ for more details.





## Summary

Building a global, diversified and sustainable mining company

- ✔ **Strong foundations** with 8-year track record of delivery
- ✔ **Record production continues** into Q1 FY2021
- ✔ **Strong balance sheet**, no debt
- ✔ **Growing pipeline** of quality global copper development assets
- ✔ **Committed** to organic growth via exploration
- ✔ **Gearing up for the future** with a focused international team

Sandfire has begun its transformation from a single-mine company operating in Australia into a diversified and sustainable mining company



### **DeGrussa and Monty Mineral Resource**

The information in this presentation that relates to the DeGrussa and Monty Mineral Resource is based on information compiled by Mr Callum Browne who is a Member of The Australasian Institute of Mining and Metallurgy (**AusIMM**). Mr Browne is a permanent employee of Sandfire Resources Ltd (**Sandfire**) and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserve. Mr Browne consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

### **DeGrussa and Monty Ore Reserve**

The information in this presentation that relates to the DeGrussa and Monty Ore Reserve is based on information compiled by Mr Neil Hastings who is a Member of AusIMM. Mr Hastings is a permanent employee of Sandfire and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Hastings consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

### **Exploration Results – Tshukudu Project**

The information in this presentation that relates to Exploration Results is based on information compiled by Mr Julian Hanna who is a Member of AusIMM. Mr Hanna is a permanent employee of Sandfire and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Hanna consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

### **Exploration and Resource Targets**

Any discussion in relation to the potential quantity and grade of Exploration and Resource Targets is only conceptual in nature. While Sandfire is continuing exploration programs aimed at reporting additional JORC compliant Mineral Resources, there has been insufficient exploration to define mineral resources in addition to the current JORC compliant Mineral Resource inventory and it is uncertain if further exploration will result in the determination of additional JORC compliant Mineral Resources.



# Sandfire | Strong and Consistent Financial Performance



FINANCIAL OVERVIEW:	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
Revenue <sup>A</sup>	\$492.8M	\$529.6M	\$532.0M	\$485.8M	\$532.5M	\$570.0M	\$592.2M	\$656.8M
Operating Cash-flow <sup>B</sup>	\$272.4M	\$249.5M	\$250.1M	\$166.5M	\$248.3M	\$284.6M	\$257.4M	\$331.0M
NPAT <sup>C</sup>	\$88.0M	\$78.2M	\$69.0M	\$48.0M	\$77.5M	\$123.0M	\$106.5M	\$74.1M
Earnings per Share (basic)	57.48c	50.22c	44.18c	30.54c	49.16c	77.85c	65.23c	42.88c
Cash + Deposits	\$77M	\$58M	\$107M	\$66M	\$127M	\$243M	\$247M	\$291.1M
Debt	\$285M	\$160M	\$120M	\$50M	NIL	NIL	NIL	NIL
Dividends	N/A	10c unfranked	13c fully franked	11c fully franked	18c fully franked	27c fully franked	23c fully franked	19c fully franked

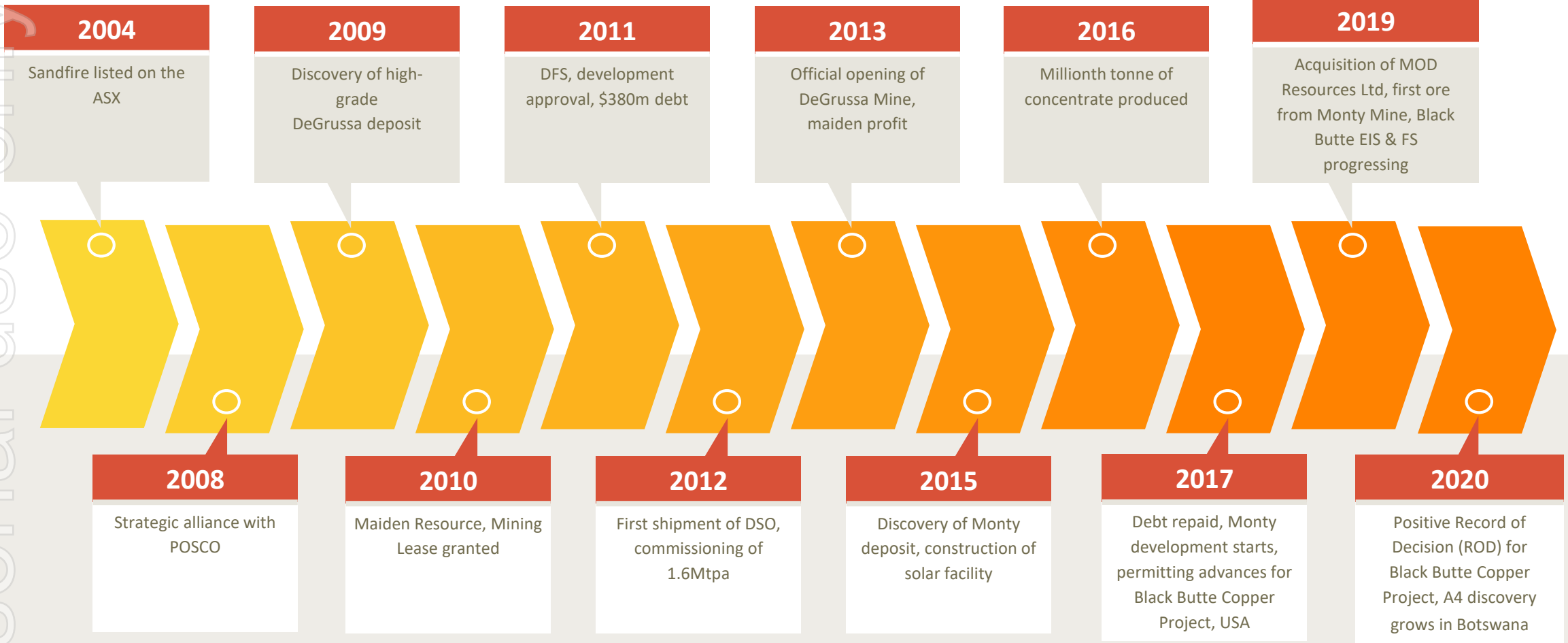
<sup>A</sup> Revenue for FY2018 onwards represents the value of metal payable sold, net of treatment and refining charges and realised and unrealised price adjustment losses.

<sup>B</sup> Prior to payments for exploration and evaluation.

<sup>C</sup> Attributable to equity holders of the Parent entity.



Corporate History – Strong track record of discovering, developing and delivering....









# Sandfire

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## Contact Details

-  Level 2, 10 Kings Park Road, West Perth WA 6005 Australia
-  PO BOX 1495, WEST PERTH WA 6872 AUSTRALIA
-  +61 8 6430 3800
-  +61 8 6430 3849
-  [www.sandfire.com.au](http://www.sandfire.com.au)