



# NZURI

COPPER LIMITED

ASX Code: NZC

**A rapid, low-cost pathway to  
production and cash-flow in a Tier-1  
copper-cobalt belt**

- Positive Feasibility Study: Kalongwe Stage 1
- Regional exploration campaign ongoing

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***Annual General Meeting, 22 November 2017***

Adam Smits, Chief Operating Officer

# Forward-Looking Statements, Disclaimer and CP Statement



- **Forward-Looking Statement:** This document contains statements that are "forward-looking". Generally, the words "expect," "intend," "estimate," "will" and similar expressions identify forward-looking statements. By their very nature, forward-looking statements are subject to known and unknown risks and uncertainties that may cause our actual results, performance or achievements, or that of our industry, to differ materially from those expressed or implied in any of our forward-looking statements.

Statements in this document regarding Nzuri Copper Limited's (the "Company") business or proposed business, which are not historical facts, are "forward-looking" statements that involve risks and uncertainties, such as estimates and statements that describe the Company's future plans, objectives or goals, including words to the effect that the Company or management expects a stated condition or result to occur. Since forward-looking statements address future events and conditions, by their very nature, they involve inherent risks and uncertainties. Actual results in each case could differ materially from those currently anticipated in such statements. Investors are cautioned not to place undue reliance on forward-looking statements, which speak only as of the date they are made.

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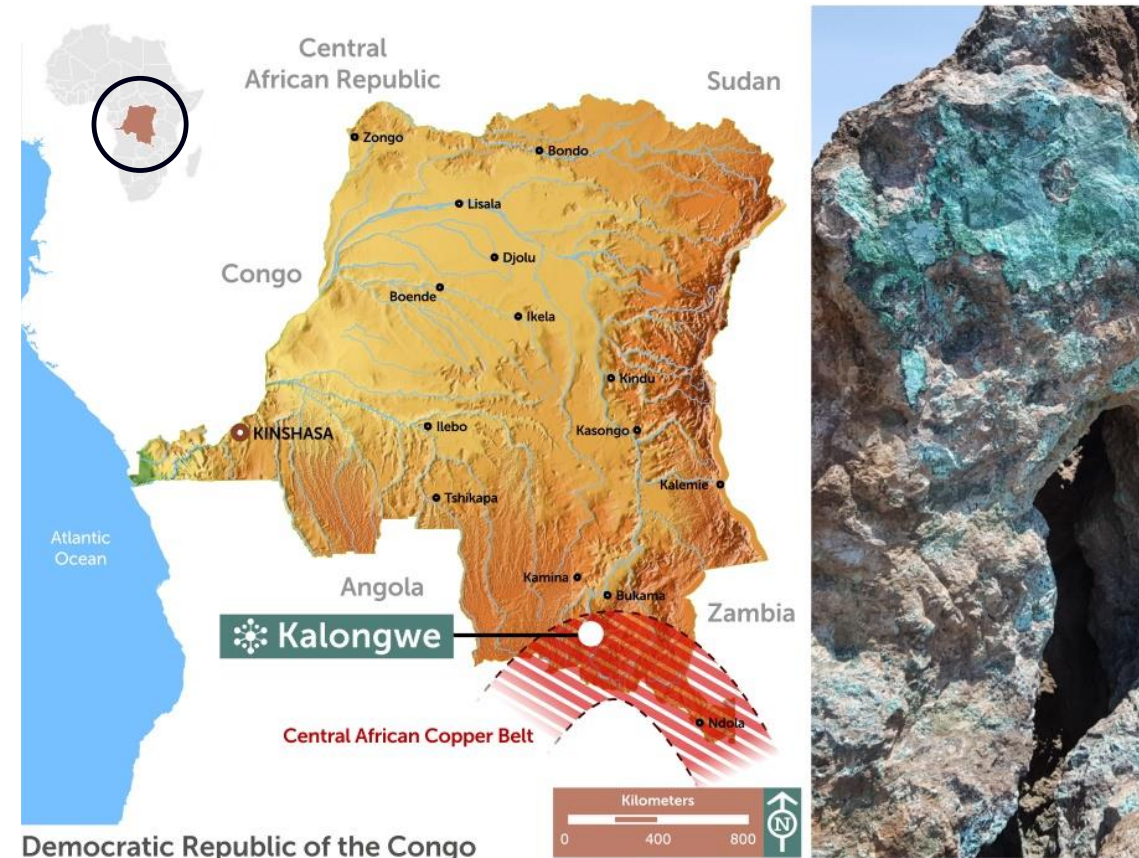
- **Competent Person Statement:** Scientific or technical information in this release that relates to Exploration Results has been prepared by Dr Peter Ruxton, the Company's Technical Director. Dr Peter Ruxton is a Member of the Institute of Materials, Minerals & Mining (MIMMM) and a Fellow of the Geological Society of London (FGS) and has sufficient experience which is relevant to the style of mineralisation 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 Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code). Dr Peter Ruxton consents to the inclusion in this presentation of the Information, in the form and context in which it appears.

"The information in this document relating to the Kalongwe Cu-Co Deposit reserve estimate is extracted from the Company's ASX announcement entitled 'Kalongwe Stage 1 Feasibility Study Outlines Robust, Low Cost Copper-Cobalt Project with Strong Financial Returns' dated 16th October 2017. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all the material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed."

# Key Investment Highlights



- High-quality portfolio in world-class African Copper Belt
- Two-pronged strategy to deliver growth and value
- Kalongwe Stage 1 Feasibility Study outlines robust, low-cost copper-cobalt project:
  - *US\$116M NPV<sub>10%</sub> and 71% IRR (pre-tax)*
  - *Annual production of 19,360t Cu, 1,507t Co at C1 US\$1.35/lb*
  - *7-year mine life: Ore Reserve 6.98Mt at 3.03% Cu, 0.36% Co*
  - *US\$53.12M CAPEX and 21-month payback*
  - *Fully-permitted with 12-month timeline to production post-funding and Board approval*
- Significant opportunities to improve project economics and mine life through future stage 2 expansion & cobalt processing
- World-class discovery potential within Fold Thrust JV with Ivanhoe Mines (TSX: IVN) – multi-pronged exploration program





## Capital Structure\* (A\$)

Market Cap	~\$41.5M @ 18c/share
Cash	\$1.98M (at 30th September 2017)
Issued Shares	230.3M
Options^	11M
Fully diluted	241.3M
Debt	Nil

## Strong cornerstone shareholders provide basis for project financing



Tembo Capital	– 57.4%
Traxys	– 6.1%
GICC	– 4.8%
Afrimines	– 4.9%
Exploration Capital Partners (Sprott)	– 3.1%
Board & Management	– 2.1%
Free float	– 21.6%

## Board and management are shareholders and motivated to succeed

### Dr Peter Ruxton – Non-Executive Chairman

- Co-founder of leading private equity mining fund Tembo Capital
- Geologist with a strong technical background and +35 years experience

### Mark Arnesen – CEO & Executive Director

- Chartered Accountant with extensive expertise in structuring and negotiating finance for major resource projects
- Strong DRC experience with Moto Goldmines along with prior senior positions with Billiton, Ashanti Goldfields, Equinox Minerals; non-executive Director of Centamin PLC

### Adam Smits – COO & Executive Director

- Mechanical Engineer with 20 years' experience in Australia and West Africa
- Lived in francophone West Africa for 8 years
- Past senior positions with Perseus Mining, TiZir Ltd, Mineral Deposits Ltd, Placer Dome Asia Pacific and Lycopodium Engineering



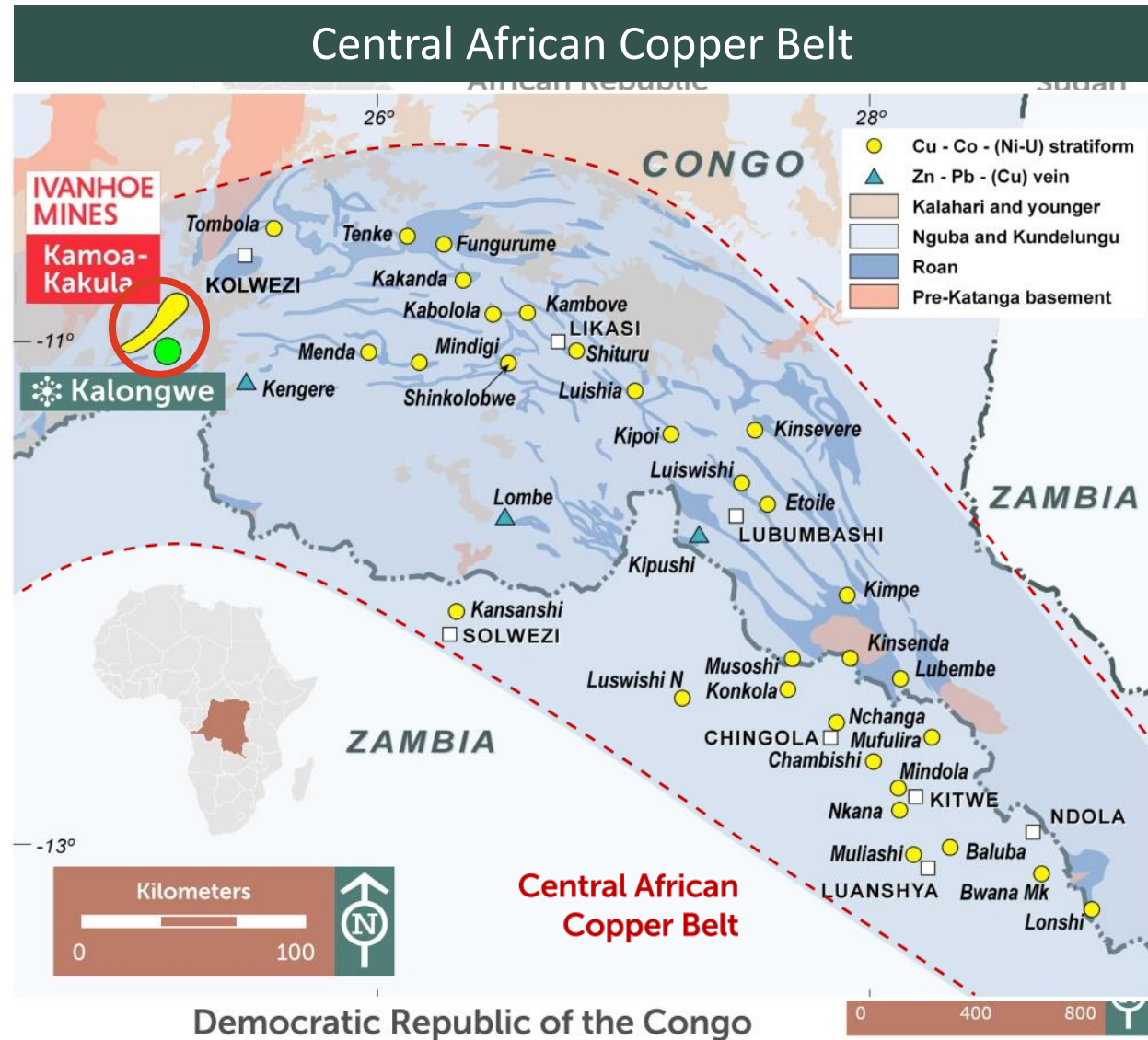
\* As at 10/7/2017

^ Exercise prices range from \$1.20 to 21c, Expiry dates range from 2/12/2017 to 14/11/2026.

# A Tier-1 Address



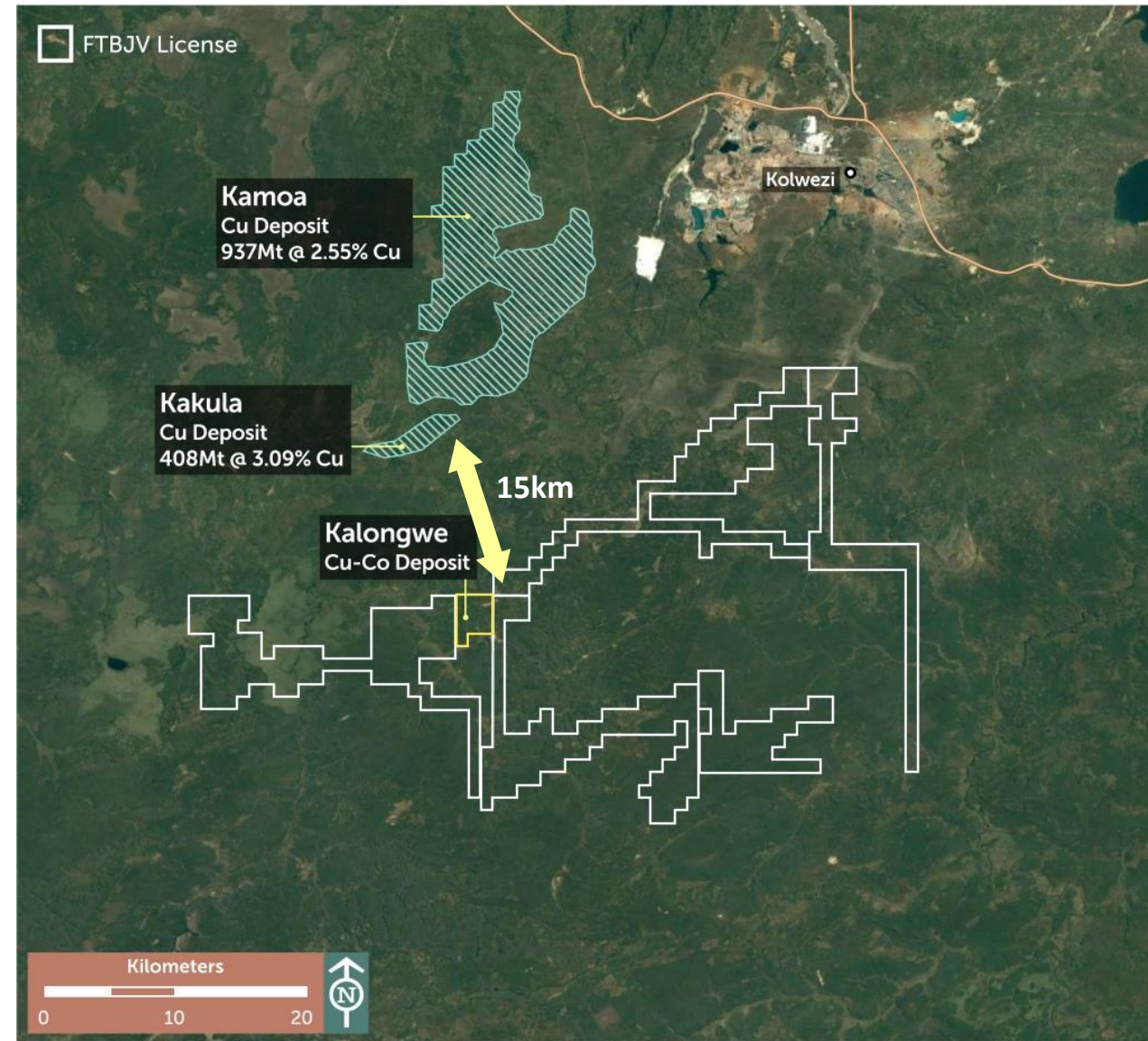
- World's largest and most prolific sediment-hosted copper province (estimated endowment >160Mt Cu)
- Produced ~50% of the world's cobalt and ~10% of its copper in 2015
- Generally high-grade copper deposits 2.5-5.0% Cu
- Several new world-class mines being developed:
  - *Ivanhoe's Kamo-Kakula deposit ranked as the world's largest undeveloped high-grade copper discovery*
- Vastly under-explored, strong potential for new Tier-1 discoveries
- **Nzuri's projects lie in the north-western portion, 15km from Ivanhoe Mine's Kakula-Kamo deposit**



# Kalongwe Copper-Cobalt Project – Overview



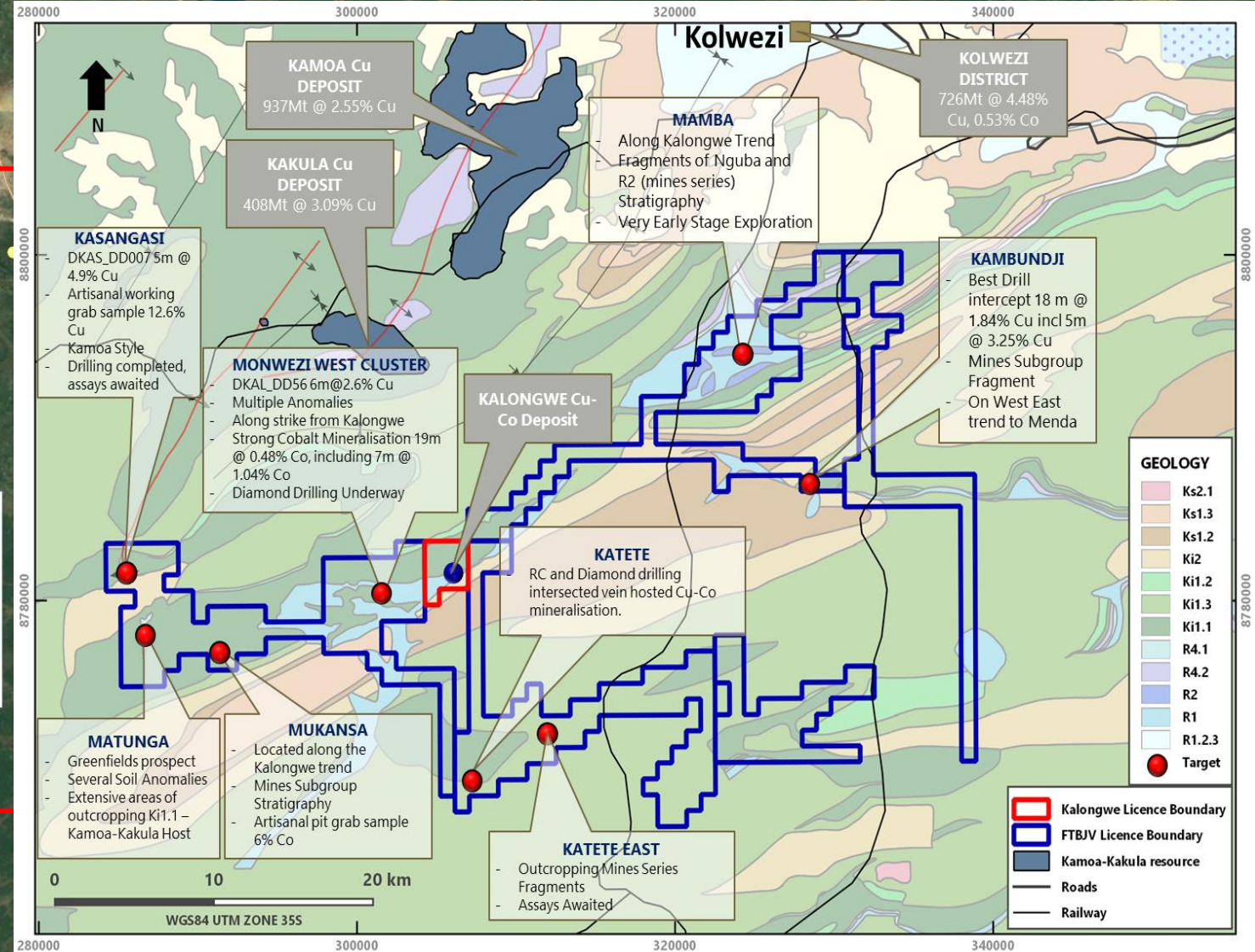
- 85% interest held by Nzuri Copper with 10% held by local partner GICC and 5% by the DRC Government
- GICC is a Congolese company, 90%-owned by Theo Mahuku, a respected Congolese businessman who works with multiple listed companies
- Excellent relationships with Government and local communities
- No artisanal mining activities on Mining Permit – historical works do not present any impediment to planned mining activities
- Historically explored for uranium, which proved to be uneconomic – Feasibility Study addresses contained uraniumiferous material via mine scheduling



# Multi-Pronged Exploration Campaign in 2017



- Significant progress achieved in 2017 with:
  - 81km of access roads established to provide logistical access to key targets
  - 7,200m of trenching complete
  - ~6,150m of RC and diamond exploration drilling completed to date
  - ~1,000m of drilling remaining this year
- Initial drill programs completed at Monwezi 3, Katete and Kasangasi during the dry season
- High-resolution airborne survey complete ahead of 2018 drilling program
- Drilling currently in progress at Monwezi 2



# Kalongwe Copper-Cobalt Project – Future Pit Site Overview





# Kalongwe Copper-Cobalt Project – Video

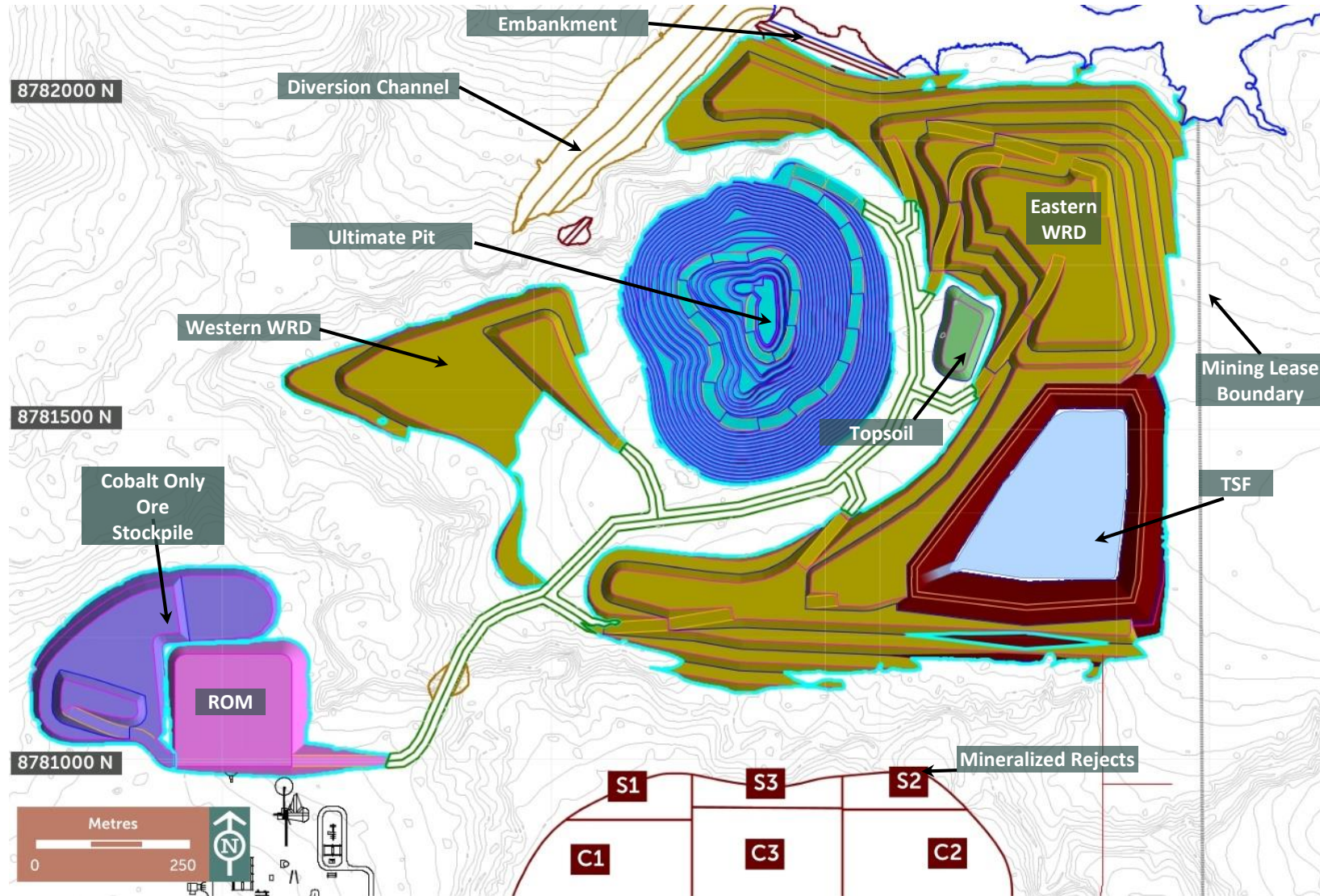


# Kalongwe DFS Outcomes – Key Physicals (Stage 1)



## High quality Feasibility Study ( ±15%)

Mining method	Open pit
Processing rate	1.0Mtpa – 7-year mine life
Processing method	2-stage crushing with scrubber to DMS plus a fines stream processed via gravity spirals
Ore Reserve (Proved and Probable)	6.98Mt at 3.03% Cu and 0.36% Co
Metallurgical recovery (ave)	64% Cu, 40% Co
Average annual concentrate production	143,000tpa of DMS and spiral concentrate products
Copper production (LOM)	135,512 tonnes
Cobalt production (LOM)	10,553 tonnes
C1 cash operating costs (LOM)	US\$1.35/lb



# Kalongwe Copper-Cobalt Project – Stage 1 Feasibility Study



## Robust, low-cost Stage 1 project with strong financial returns

Annual Ave. Production (Cu/Co-in-concentrate)	19,360 tonnes Cu & 1,507 tonnes Co
LOM (K1 years at 1Mtpa throughput)	7 years (1:8:1 waste to ore strip ratio)
CAPEX US\$ (±15% accuracy excl. working capital)	US\$53.12M (incl. US\$10.24M contingency, duties/ taxes)
C1 Cash Cost US\$ (incl. Co credits)	US\$1.35/lb
Payback (months)	21 months
NPV 10% US\$ (pre/post tax)*	US\$116M/ US\$82M
IRR (pre/post tax)*	71% / 55%



## High-quality Feasibility Study team

Lycopodium Minerals Pty Ltd	Principal Feasibility Study Contractor
Knight Piésold	Tailings Dam and Water Balance
Orelogy Pty Ltd	Mine Plan and Ore Reserve Estimation
CSA Global Pty Ltd	Geology
Miller Metallurgical Services	Metallurgical Testwork and Analysis

- Feasibility Study for Kalongwe Stage 1 (K1) confirms project's strong financial and technical merits
- Maiden Ore Reserve of 6.98Mt at 3.03% Cu, 0.37% Co for 211,494t of contained copper and 25,826t of contained cobalt
- All production targets and forecast financial outcomes underpinned 100% by Ore Reserves
- Project fully permitted with 12-month timeline to production
- Significant opportunities to improve project economics and mine life through staged project expansions (Stage 2)

# Nzuri Cobalt Upside – Stage 2



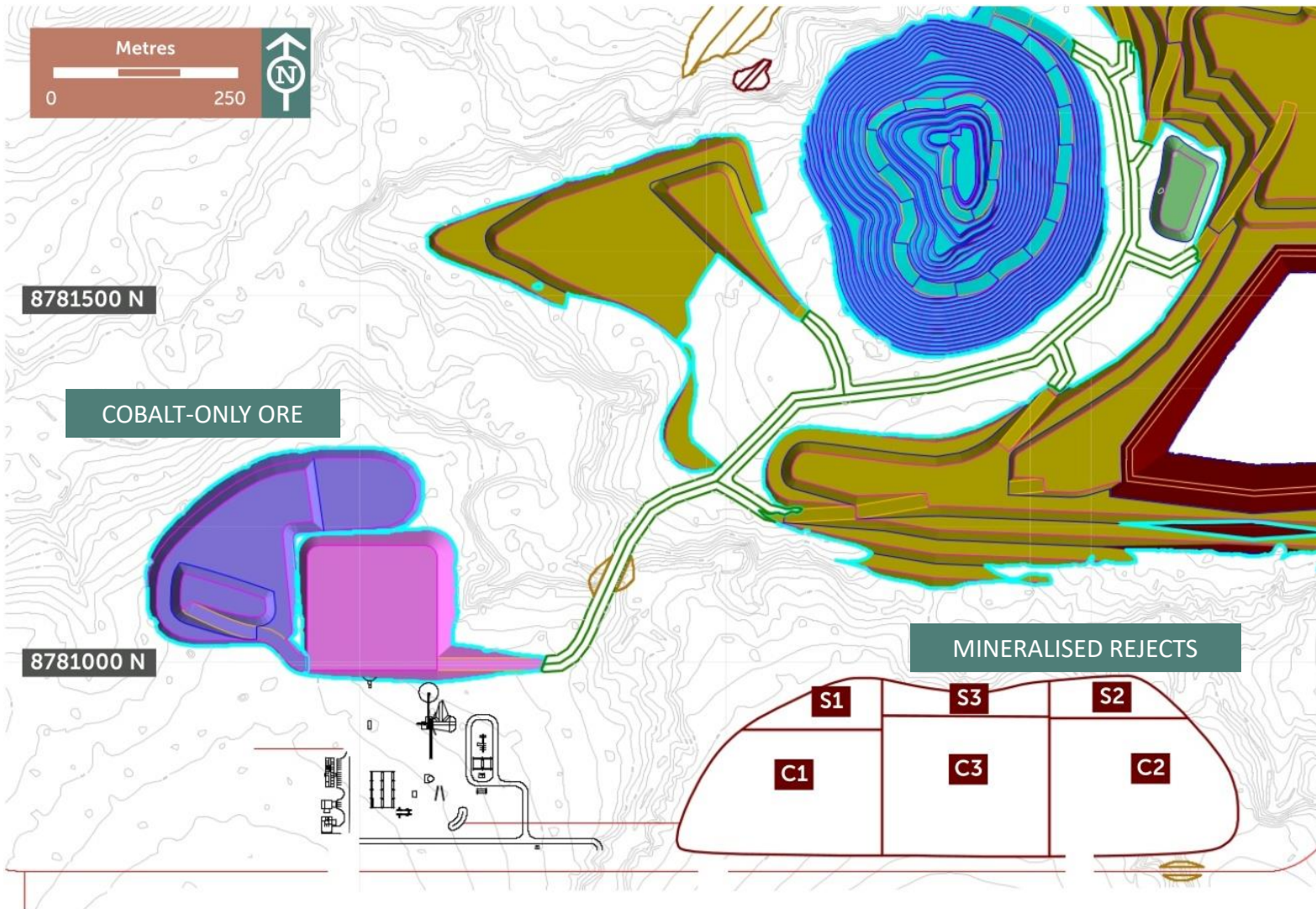
- Processing of the stockpiled cobalt-only ore and mineralised rejects – +\$1B contained Co metal value
- Improved payability achievable through downstream upgrading of product/s
- Discovery of cobalt-only deposits on JV tenements will further expand scope
- To this end:
  - *Scope developed for extensive test program based on collected 4.2 tonnes of sample material*
  - *Flowsheets and optimisation studies to be initiated based on Stage 1 project FS outputs*



# The Opportunities: Growth and Optimisation



## Significant opportunities to enhance project economics post-Feasibility Study



- 0.9\* million tonnes of cobalt-only ore – cobalt-only ore to be mined/stockpiled containing @ 0.62% Co
- 5.2\* million tonnes of mineralised rejects:
  - 4.7Mt at 1.1% Cu / 0.21% Co; &
  - 0.5Mt at 1.6% Cu / 0.42% Co
- SX-EW toll-treatment plant/s under construction in the region – potential for improved payability, plant recovery and significantly reduced transport costs
- Future nearby power infrastructure – reduced plant OPEX
- Exploration upside with JV ground

\* figures based on 7 year Mine life

# Conceptual Staged Pathway to Production



Description	12-month Build – Kalongwe Stage 1							
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
<b>Stage 1 – Kalongwe (DMS)</b>								
Early works & FEED	█	█						
Detailed Design		█	█	█				
Build Project			█	█	█	█		
<b>Stage 2 – Kalongwe (SX-EW/ Leach)</b>								
Cobalt Scoping Study – Stage 2	█							
Leach testwork on cobalt-only ore/ whole of Ore Leach	█	█						
±25% Accuracy PFS		█	█	█				

## Stage 1

- Simple, robust, proven process
- Permitting in place
- 12-month build
- Rapid pathway to production and cash-flow

## Stage 2

- Potential to enhance Stage 1 economics significantly

Nzuri Copper can move quickly into production at Kalongwe, generating cash-flow to underpin its broader growth ambitions in the region...



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## Our Future: Exploration Upside in the Fold Thrust Belt Joint Venture

- *High-impact exploration programs underway*

# 2017 Drilling Summary by Target



Drilling Completed (to 7/11/17)					
Target	RC (m)	Diamond (m)	Hydro (m)	Total (m)	
Kalongwe	-	1 373	386	1 759	Feasibility work
Monwezi	1 843	177	-	1 656	
Katete	1 042	839	-	1 881	
Kasangasi	1 550	693	-	2 115	
<b>TOTAL</b>	<b>4,435</b>	<b>3,082</b>	<b>386</b>	<b>7,903</b>	6,144m exploration

2017 Drilling Remaining (as of 7/11/17)					
Target	RC (m)	Diamond (m)	Hydro (m)	Total (m)	
Kalongwe	-	-	-	-	
Monwezi	-	1023	-	1023	
Kasangasi	-	-	-	-	
<b>TOTAL</b>	<b>0</b>	<b>1 023</b>	<b>-</b>	<b>1023</b>	

Large number of assays being generated from ongoing drilling – either in progress or being processed with:

- 607 complete, 312 samples currently at assay lab in Lubumbashi; 142 prepared on-site ready for dispatch
- 613 samples from Katete complete
- 855 samples from Kasangasi being processed at assay lab in South Africa, with a further 331 samples currently at assay lab in Lubumbashi

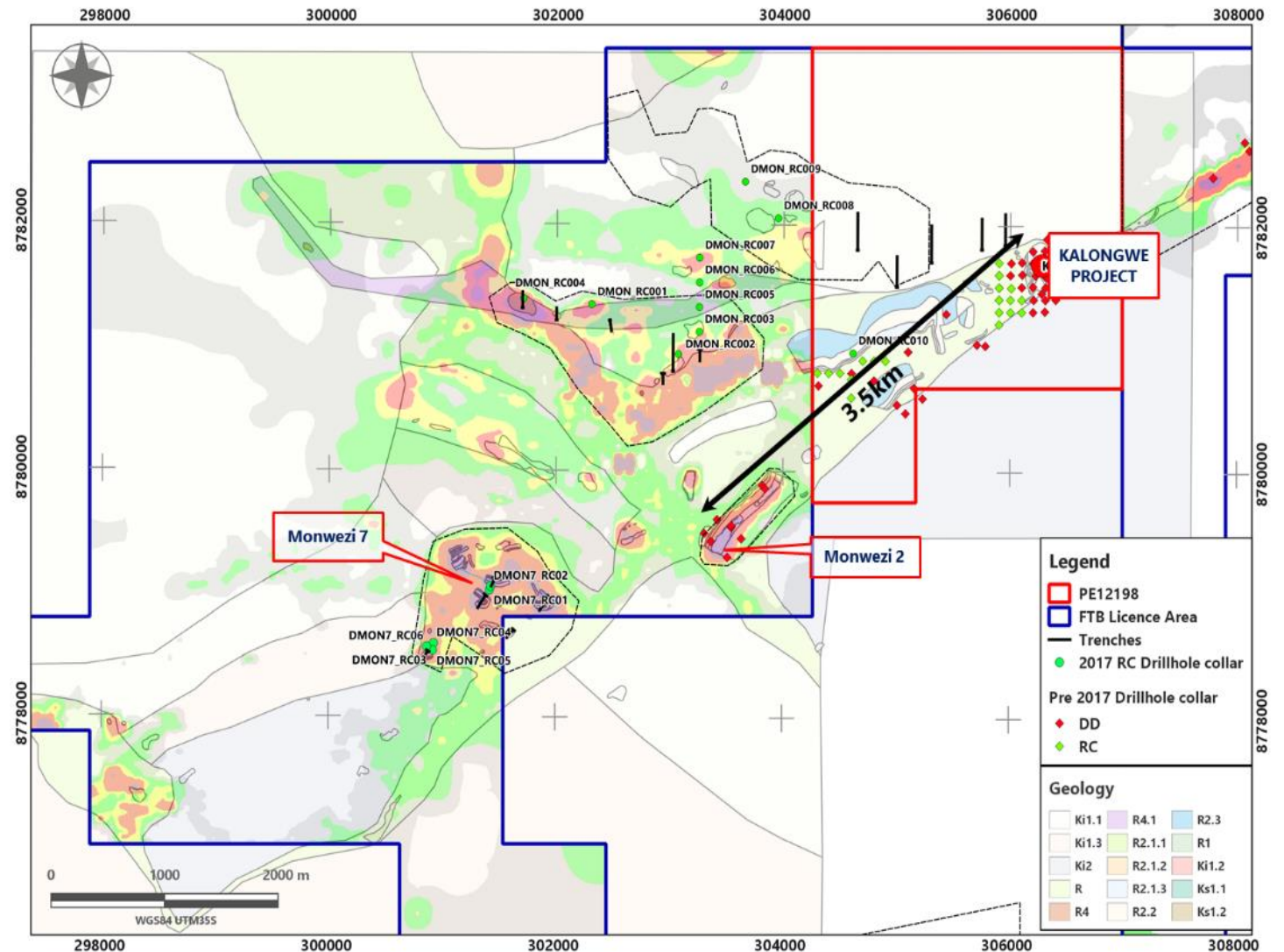




# Monwezi Cluster – Strategic Target Near Kalongwe



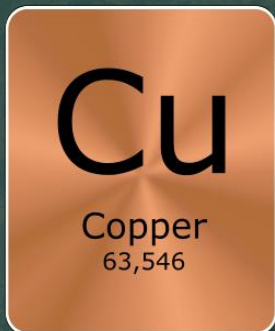
- Located directly along strike from Kalongwe
- Initial drilling at Monwezi 3 and Kalongwe North targets completed in June 2017
- Further drilling at Monwezi 7 has indicated that Monwezi 7 has potential to become a significant cobalt deposit. Two recent RC holes reported significant cobalt intercepts including *19m @ 0.48% Co & 7m @ 1.04% Co*
- Monwezi has similar geology to Kalongwe i.e. stacked Mine Series fragments
- Currently trenching/ pitting at Monwezi 7
- Currently drilling at Monwezi 2 and moving back to Monwezi 7 shortly





## Right metals .... Right place.....Right time

### HIGH QUALITY PROJECTS – COPPER AND COBALT



### NEAR-TERM PRODUCTION OPPORTUNITY

- Kalongwe Project Feasibility Study
- Near-surface oxide resource of 302,000t Cu, 42,000t Co
- Low CAPEX, straightforward open pit mining & processing, excellent logistics

### STRONG DISCOVERY POTENTIAL IN A TIER-1 BELT

- Certain key targets located in close proximity to Ivanhoe Mines' world-class Kamo-a-Kakula copper deposit
- Multi-pronged exploration campaign advancing rapidly
- Initial encouraging results

### STRONG SHARE REGISTER, WELL-FUNDED

- Strong balance sheet, no debt
- Strong cornerstone shareholders include Tembo Capital (~59%)
- Strong platform for project funding and ongoing exploration



# NZURI

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## CONTACTS & APPENDICES

[www.nzuricopperlimited.com.au](http://www.nzuricopperlimited.com.au)

### Investor Relations Contacts:

**Mark Arnesen**  
*CEO/executive Director*

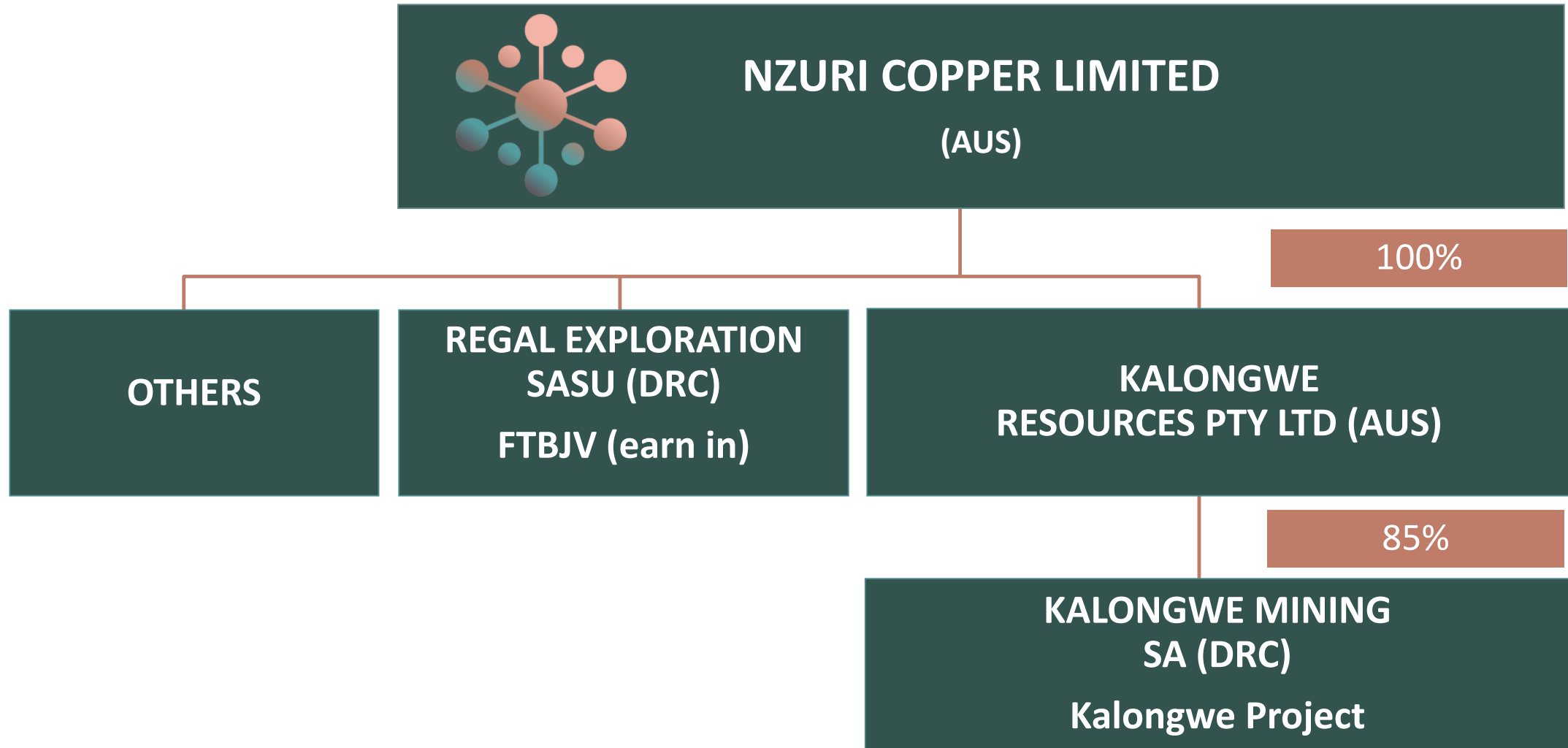
T: +61 (0)8 6424 8100  
E: [info@nzuricopper.com.au](mailto:info@nzuricopper.com.au)

**Anthony Begovich**  
*CFO/Company Secretary*

T: +61 (0)8 6424 8100  
E: [info@nzuricopper.com.au](mailto:info@nzuricopper.com.au)

**Nicholas Read**  
*Investor Relations – Read Corporate*

T: +61 (0)8 9388 1474  
E: [info@readcorporate.com.au](mailto:info@readcorporate.com.au)

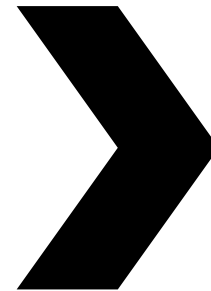
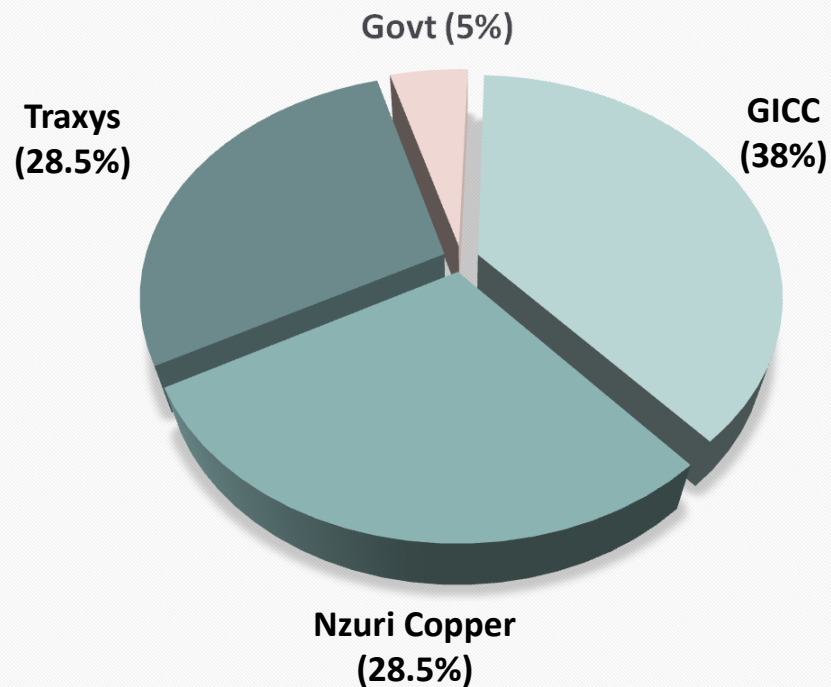


# Appendix – Kalongwe Mining Ownership

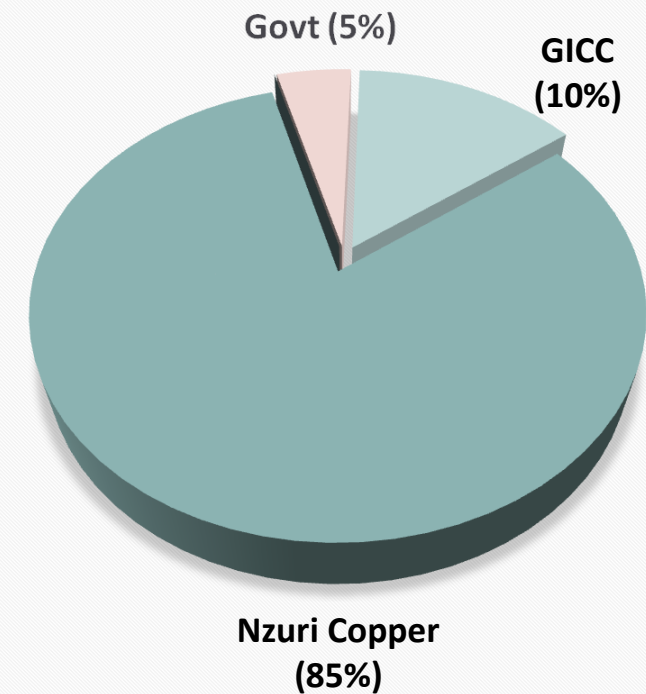


Large push by Nzuri in 2016 to streamline ownership of the Kalongwe Mining Project to facilitate future development

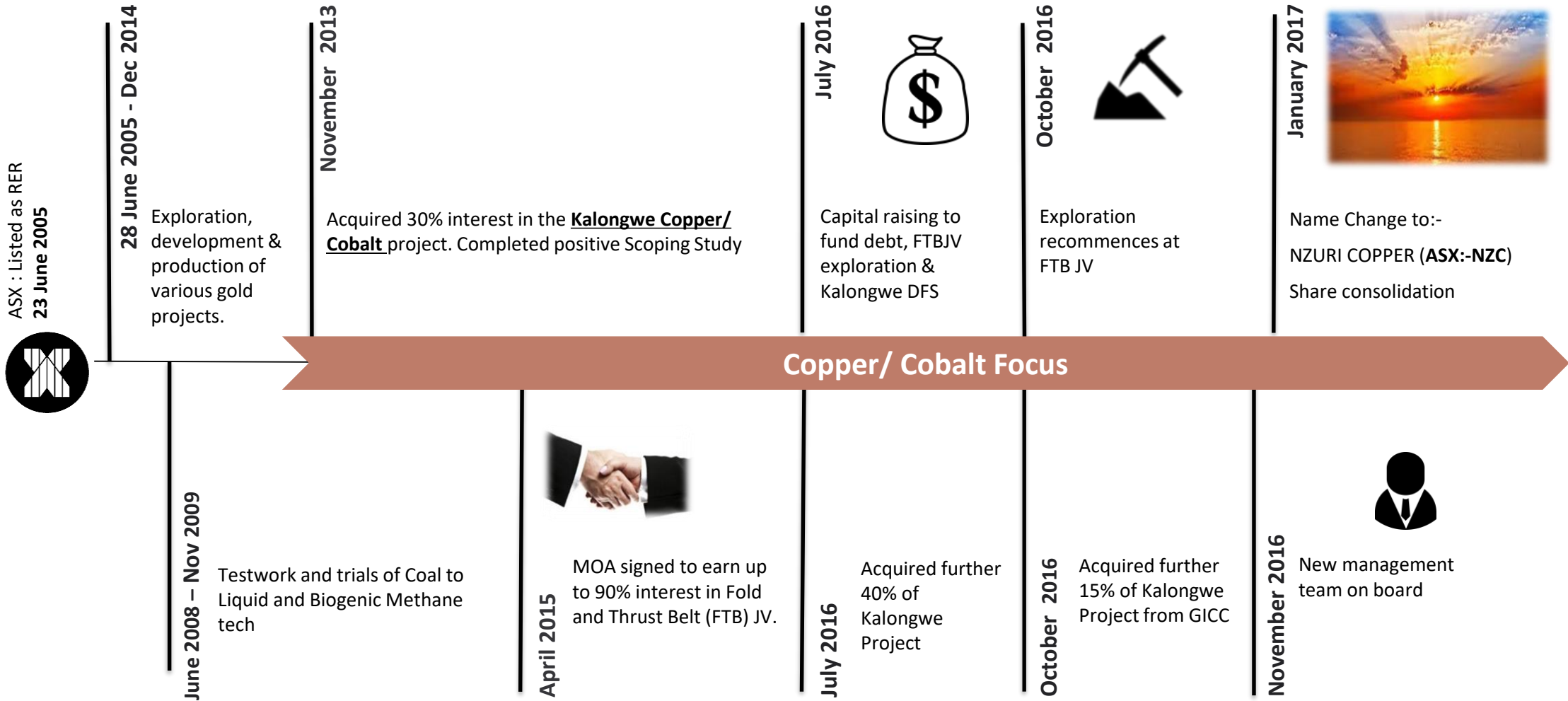
**Ownership as at 31 December 2015**



**Current Ownership**



# Appendix – Company History

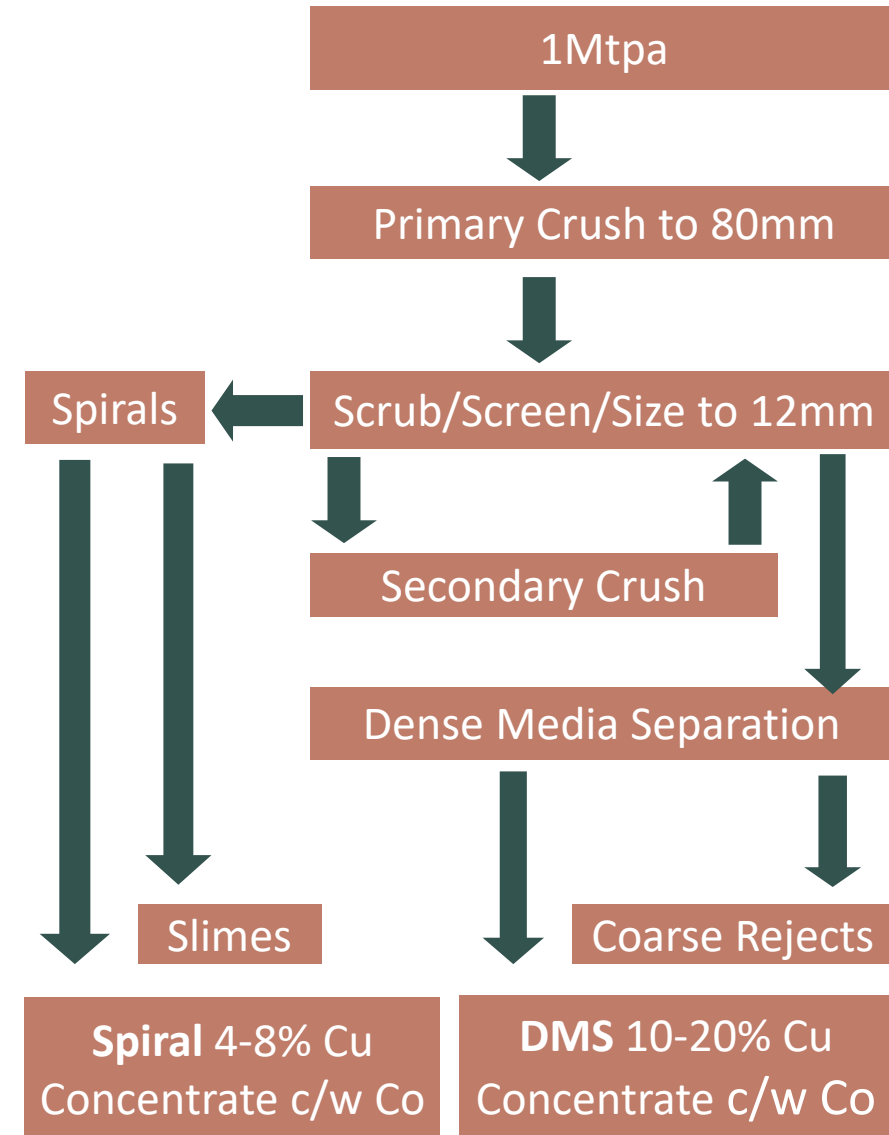


# Appendix- Simple and Robust Processing Flowsheet



- Good gravity recovery from DMS / Spiral Circuit
  - Ability to produce saleable 10%, 15% & 20% **DMS Cu concentrates** and 4-8% **Spiral Cu Concentrate**
  - Average Overall Cu recovery of 64% for FS base case
  - Contained Co grades in concentrate of 0.3-2.5%
- Test work demonstrated excellent leach recoveries
  - Extraction of acid soluble copper was 98% within four hours
  - Co recovery was 90% recovery in two hours
- Excellent ore characteristics
  - Low clay content, non-typical for DRC copper/cobalt deposits
- Excellent potential product
  - Extremely low leachable impurities, highly attractive to potential customers

High quality product with low impurities



# Appendix- Simple Project Execution



- Two Principal Suppliers

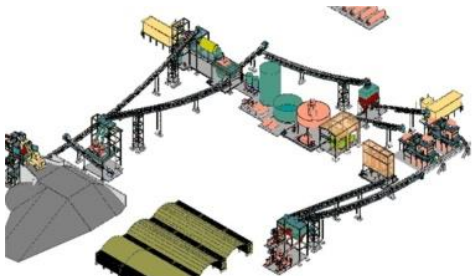
- *Due to packaged modular plant equipment selection, two suppliers will be responsible for entire crushing and processing plant*

- Short Lead-time

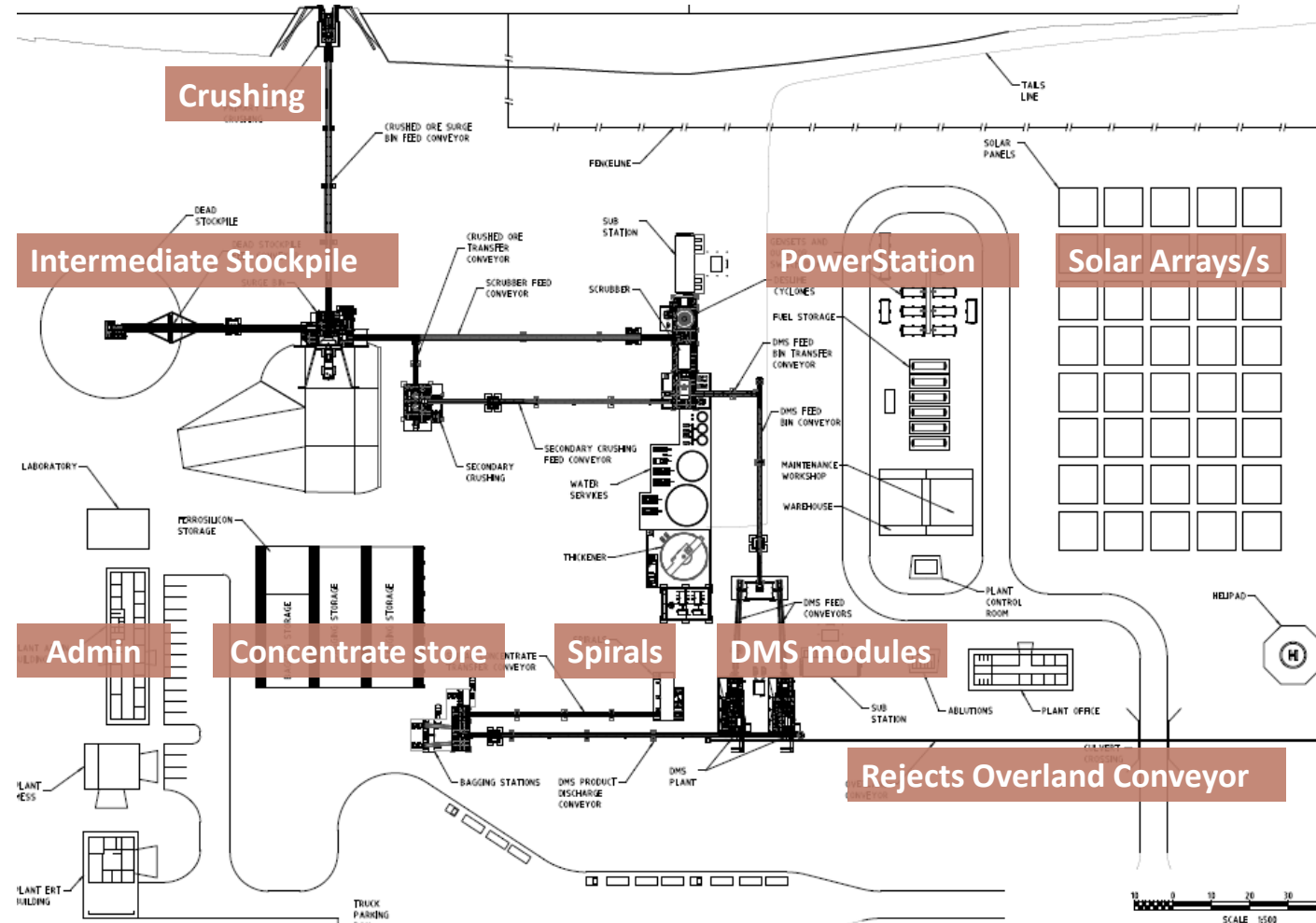
- *Quoted deliveries of 18 weeks ex-works South Africa for all process plant items*

- Proven technology

- *No new technology or processing methods to be employed... low technical risk*

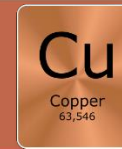


## Modular Plant Approach





# Appendix – Kalongwe Mineral Resource Estimate



Weathering profile	Domain	Measured	Indicated	Inferred	Total Tonnage (Mt)	Ave. Cu (%)	Ave. Co (%)	Tonnes Cu	Tonnes Co
Oxide	Cu Only <sup>1</sup>	1.24Mt @ 3.35% Cu	2.45Mt @ 2.27% Cu	1.24Mt @ 1.60% Cu	4.94	2.37	-	117,200	-
	Mixed <sup>3</sup>	2.07Mt @ 3.76% Cu	1.67Mt @ 2.72% Cu	0.35Mt @ 1.98% Cu	4.08	3.19	0.66	130,000	26,800
Primary	Cu Only <sup>1</sup>	-	1.20Mt @ 2.65% Cu	0.41Mt @ 1.63% Cu	1.61	2.39	-	38,400	-
	Mixed <sup>3</sup>	-	0.51Mt @ 3.06% Cu	0.03Mt @ 2.22% Cu	0.54	3.02	0.52	16,400	2,800
	<b>Total Cu in Cu Only and Mixed Domains</b>	<b>3.31Mt @ 3.61% Cu</b>	<b>5.83Mt @ 2.55% Cu</b>	<b>2.03Mt @ 1.70% Cu</b>	<b>11.17</b>	<b>2.70</b>		<b>302,000</b>	
	<b>Total Co in Mixed Domains<sup>4</sup></b>	-	-	-	<b>4.62</b>	-	<b>0.64</b>	-	<b>29,700</b>
Oxide	Co Only <sup>2</sup>	0.37Mt @ 0.66% Co	1.34Mt @ 0.59% Co	0.38Mt @ 0.43% Co	2.09	-	0.57	-	11,900
Primary	Co Only <sup>2</sup>	-	0.18Mt @ 0.53% Co	0.02Mt @ 0.43% Co	0.2	-	0.52	-	1,000
	<b>Total Co Domains</b>	<b>0.37Mt @ 0.66% Co</b>	<b>1.52Mt @ 0.58% Co</b>	<b>0.40Mt @ 0.43% Co</b>	<b>2.29</b>	-	<b>0.57</b>	-	<b>13,000</b>
	<b>Total Co in Mixed &amp; Co-only Domains<sup>5</sup></b>				<b>6.91</b>	-	<b>0.62</b>	-	<b>42,700</b>

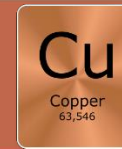
1 The Cu only domains were reported by selecting blocks with Cu  $\geq$  0.5%.

2 The Co only domains were reported by selecting blocks with Co  $\geq$  0.2%.

3 The Mixed Domains (blocks located within overlapping Cu and Co domains) were reported by selecting blocks with Cu  $\geq$  0.5%. The Co grade from these blocks was also reported.

4 The total Co tonnes and grade within the Mixed Domain are reported from blocks where Cu  $\geq$  0.5%, and are not additional to the total Cu Mineral Resources quoted from the Mixed Domain.

5 The total Co tonnes and grade from the Mixed and Co-only Domains are presented as total tonnages only, without reference to JORC classification. The tonnes are not additional to the total Cu Mineral Resources quoted from the Mixed Domain.



The initial Ore Reserve estimate for Kalongwe is set out below :

## Ore Reserve

Category	Total		
	Mt	Cu %	Co %
Proved	3.52	3.45	0.43
Probable	3.46	2.61	0.29
Proved and Probable	6.98	3.03	0.36
Waste (Mt)	12.57		
Total (Mt)	19.55		