



AIM : ARS

# ASIAMET RESOURCES

## COPPER TO POWER ASIA'S ENERGY TRANSITION

Perfectly Timed to meet rising demand

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March 2023



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# COMPANY OVERVIEW

Quality Assets with the right metals at the right time

## HIGH QUALITY PORTFOLIO

- Rare portfolio of base and precious metal projects with district scale upside
- BKM – Heap Leach SXEW copper cathode project progressing towards mine development
- BKM – Significant Primary Copper Resource to exploit
- BKZ – High grade Zn-Pb-Cu-Ag-Au deposit growth potential
- Beutong – large copper gold porphyry deposit with 2.4Mt in JORC compliant resource.

## COMPELLING VALUE BIG GROWTH

- JORC (2012) Resources contain 2.9Mt Cu, 2.1Moz gold, 22Moz silver, 101kt Zn, 40kt Lead (100% basis)
- >US\$80m exploration and evaluation expenditure
- All deposits open in multiple directions – huge upside
- Significantly undervalued on any valuation metric

## PROVEN TEAM

- Internationally recognised team with proven track record of building and operating mines
- +30 years Asian regional mine development and operations experience e.g. Sepon, Martabe, Nui Phao, Mt Muro
- Supportive Major Shareholder – PT Delta Dunia Makmur
- Management with a substantial holding in the Company



# CORPORATE PROFILE

-  **Future facing metals**
-  **Path to first production**
-  **Indonesia – right place, right time**
-  **Direct presence in Indonesia**
-  **Leadership invested**

## SHARE PRICE



12-month high/low in share price 3.4-0.85

## MARKET CAPITALISATION



2,187.1 million shares on issue

## CASH



No Corporate Debt  
Cash (at the end of Feb 23)

## MAJOR SHAREHOLDERS



Delta Dunia Makmur Tbk	<b>24.18%</b>
Asipac	<b>5.63%</b>
Board and Management	<b>4.21%</b>

Delta Dunia Makmur last reported 31/12/22    ASIPAC position as at 31/12/22

## COPPER RESOURCES (JORC 2012) ATT. TO ASIAMET

**2.4 Mt Total**  
**0.5 Mt BKM**  
**1.9 Mt Beutong**

\*Board and Management excludes Director Bruce Sheng who has a beneficial ownership through his interest in Asipac Group

# MANAGEMENT TEAM

Experienced team with proven track record



**Tony Manini**

*Executive Chairman*

Geologist, 30+ years, Rio Tinto, Oxiana/OZ Minerals, Tigers Realm, EMR Capital. Multiple discoveries and mine developments in Asia, Australia



**Darryn McClelland**

*Chief Executive Officer*

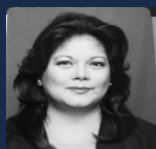
Mining Engineer with over 25+ years experience in mining operations. Previously COO of the 300Kozpa Martabe gold project in Sumatra



**James Deo**

*Chief Development Officer*

Commercial and Finance, 25+ years, Newcrest, Oxiana/OZ Minerals, BHP Billiton, Exxon Mobil and Rio Tinto. Mining Executive with extensive finance and commercial experience



**Zsa Zsa Yusharyahya**

*Executive Vice President – External Relations*

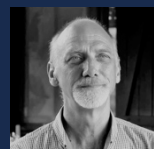
Specialist in Corporate Communications and Public Relations, 30+ years, Pertamina, RCTI-TV, WWF, Metro-TV, Bank Danamon. Wide network in Media, Government & Community Relations



**Leonard Aurlianus**

*Chief Financial Officer*

Finance 19+ years, PT Baramutiara, PT Servo Meda Sejahtera, Brahma Capital, PT Pinang Coal. Mining Executive with strong local Indonesian experience in Finance.



**Mansur Geiger**

*President Director KSK*

Geologist, 35+ years. Closely involved in KSK exploration and development since inception; Lead role in Government affairs and Community programs.



**Patrick Creenaune**

*Chief Consulting Geologist*

Geologist, +30 years global experience, Newcrest, Oxiana, EMR Capital, MIM. Multiple gold and base metal discoveries in Australia and Asia

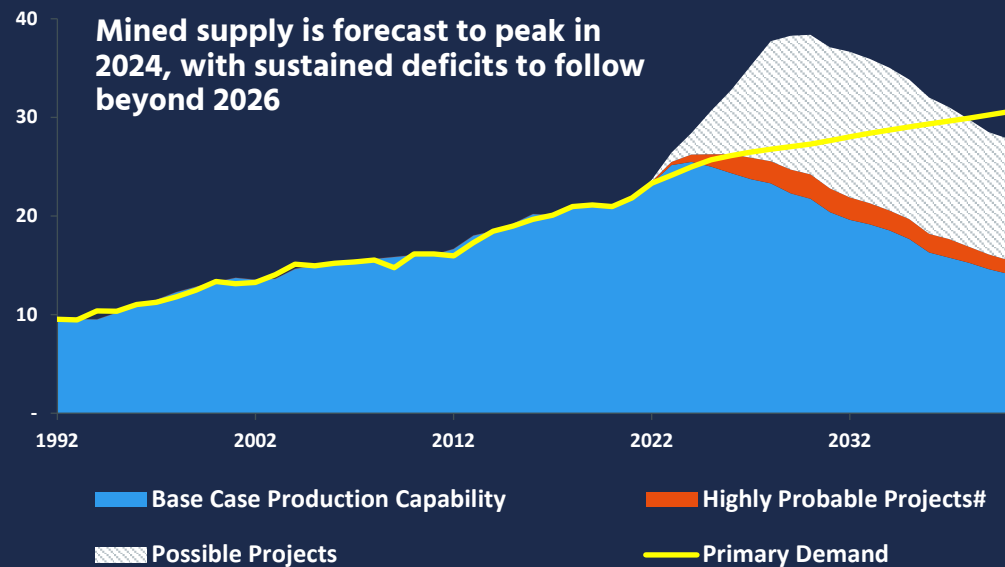


# COPPER IN THE GLOBAL CONTEXT

## Growing mismatch between supply and demand

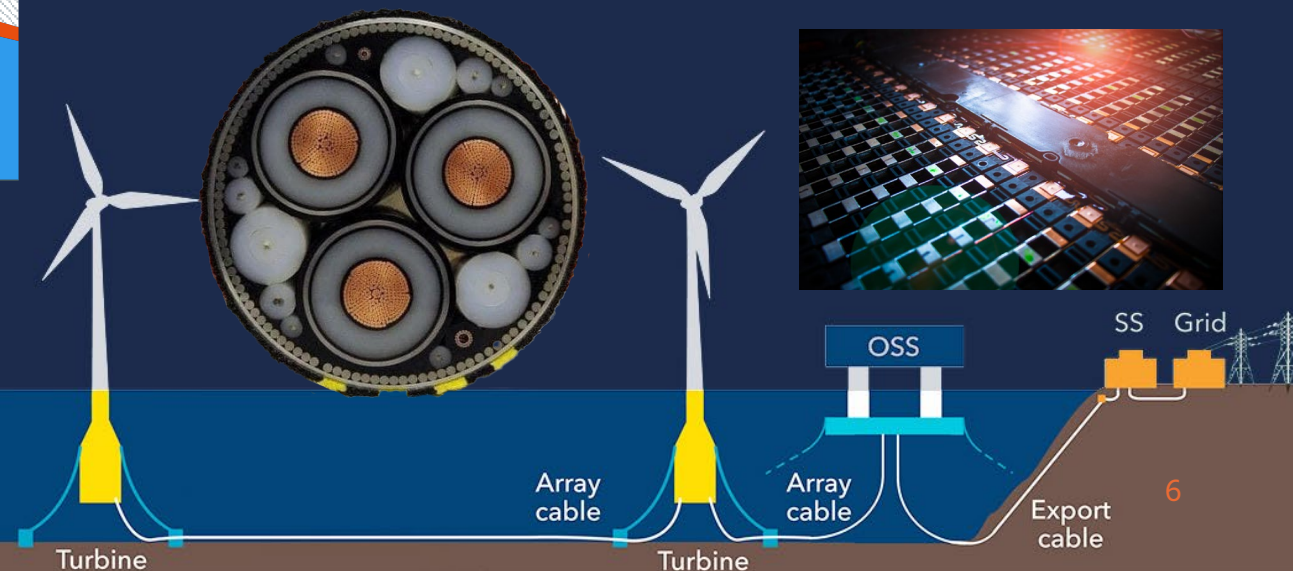
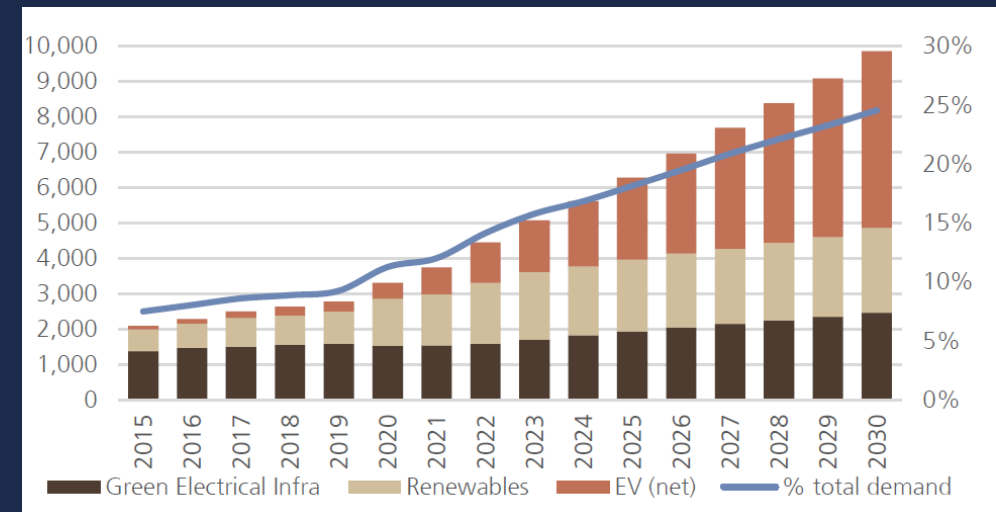


- Forward outlook for copper is clear
- Mine production peaking and moving into structural decline
- Energy transition and global shift to decarbonise results in an increase in future copper consumption
- New copper supply must be incentivized.



### Copper Demand Energy Transition Uses

Inflection point reached 2021 with exponential inc in use in EVs



# COPPER INDUSTRY NEWS



## Continuous positive news flow regarding future copper market dynamics...for producers

- “I would highlight copper as the most critical metal globally given the shortage in the market. We only had 3.5 days of copper stock equivalent at the end of last year,” Trafigura’s Kostas Bintas told the FT Commodities Global Summit (Mar 2023)
- “we estimate that in 2022 sanctioned copper projects will amount to only 263kt, essentially the lowest approval volume in the last 15 years.” “In our view, this is the single most important revelation of 2022 – even the extraordinarily high prices seen earlier this year cannot create sufficient capital inflows and hence supply response to solve long term shortages”, *Goldman Sachs 2023 Commodity Outlook – An underinvested supercycle (Dec 2022)*
- “Copper demand is projected to grow from 25 million metric tons (MMt) today to about 50 MMt by 2035, a record-high level that will be sustained and continue to grow to 53 MMt by 2050. Power and automotive applications will have to be deployed at scale by 2035 in order to meet the 2050 net-zero targets.” *S&P Global The Future of Copper: Will the looming supply gap shortcut the energy transition. (July 2022)*
- “The rapid deployment of these technologies as part of energy transitions implies a significant increase in demand for minerals.” “The mineral requirement for new power generation capacity has increased by 50% since 2010 as low-carbon technologies take a growing share of investment.” *International Energy Agency - The Role of Critical Minerals in Clean Energy Transitions.*

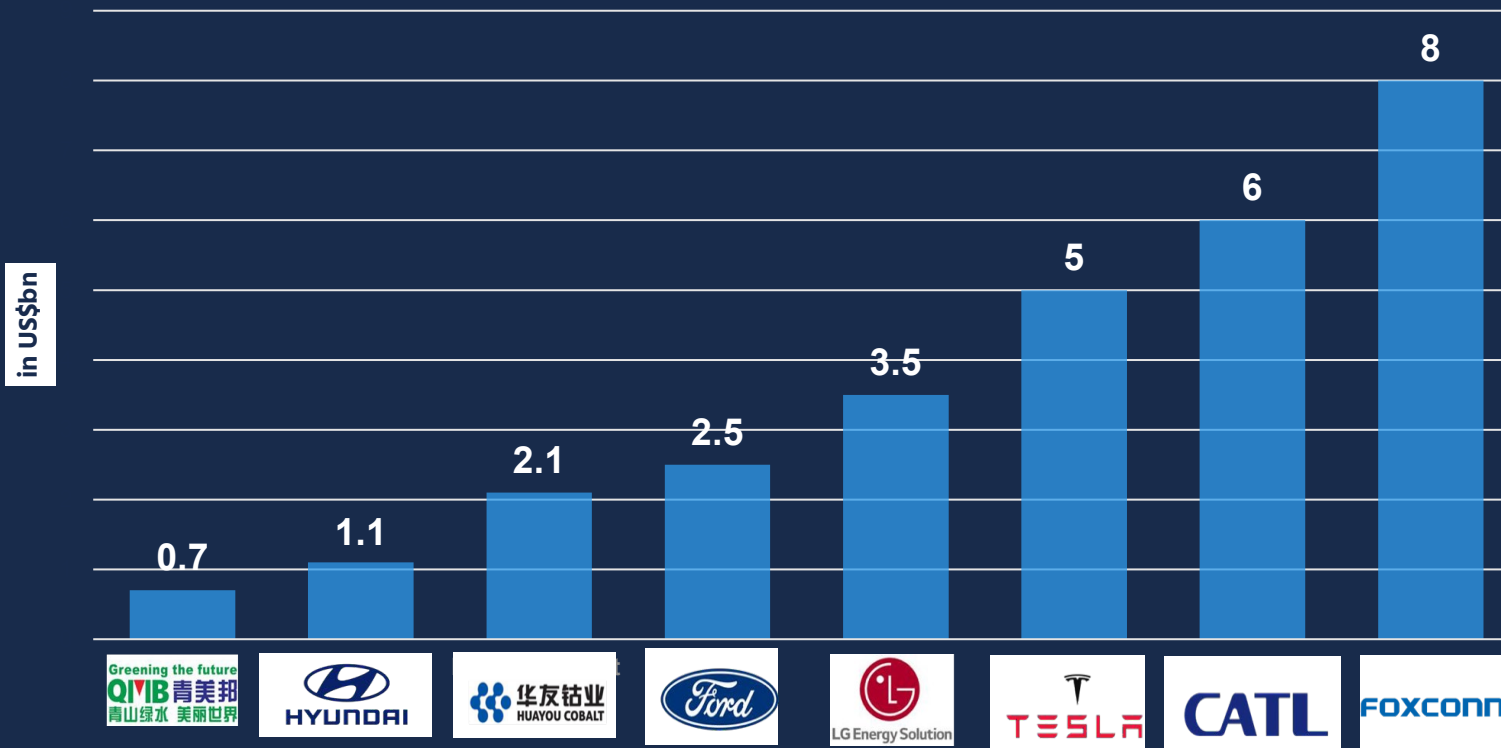
# INDONESIA BATTERY METALS POWERHOUSE

## Attracting the world's leading EV players



- PwC predicts Indonesia to have the World's 4th largest economy by 2050
- Population of 276.4 million – enormous human capital with long history of mining
- Recipient of large foreign investments into battery metals and battery processing facilities.
- Downstream processing/value adding Nickel successful government policy – expect to expand to a range of energy transition metals.

## Over US\$30bn of investment in the battery metal sector



Source: various public disclosures





# ASIAMET PROJECTS OVERVIEW







# KALIMANTAN KSK COW

## BKM – Near Surface Resources with Strong Growth Potential

### Measured Mineral Resources

Cut-off Cu %	Mt	Cu Grade %	Copper Kt
0.2	20.6	0.7	148.5
0.5	14.9	0.8	124.9
0.7	8.6	1.0	87.6

### Indicated Mineral Resources

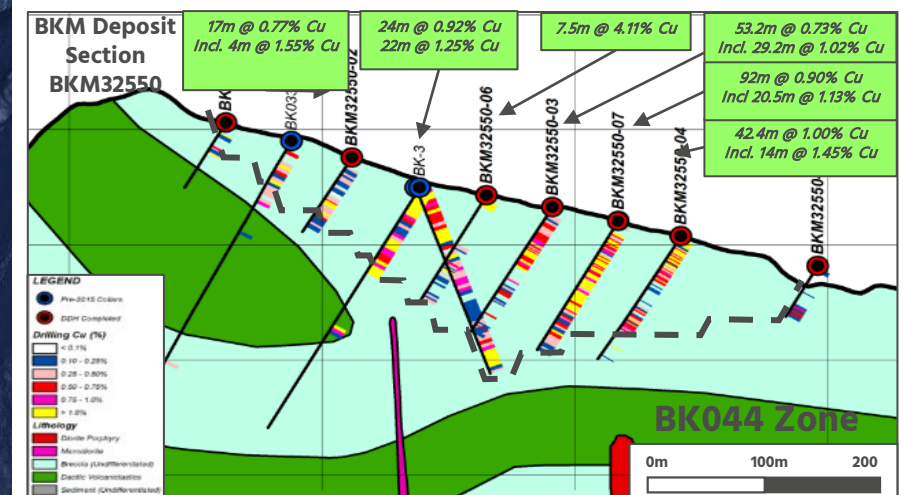
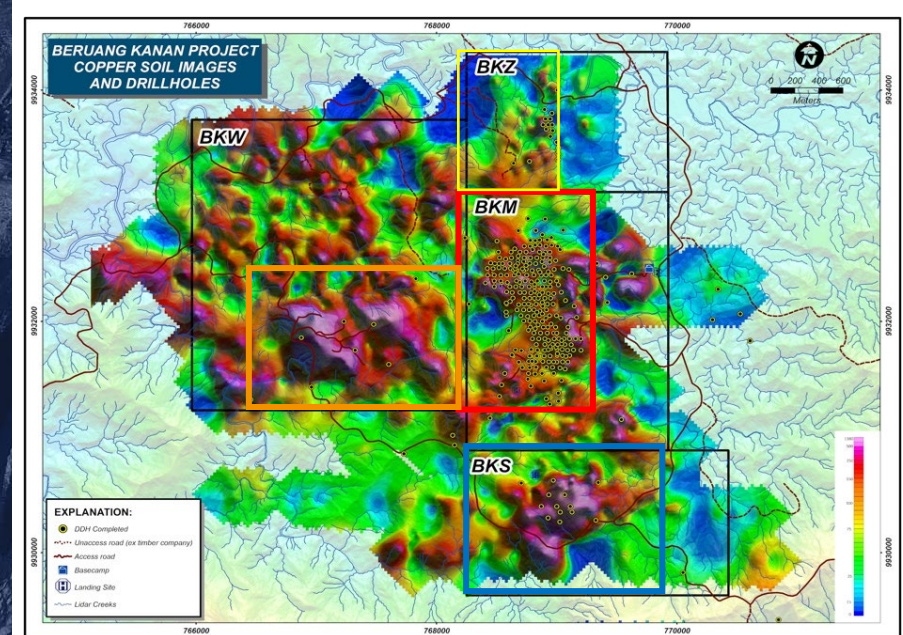
Cut-off Cu %	Mt	Cu Grade %	Copper Kt
0.2	34.1	0.6	212.6
0.5	21.4	0.8	161.3
0.7	9.5	1.0	90.6

### Inferred Mineral Resources

Cut-off Cu %	Mt	Cu Grade %	Copper Kt
0.2	15.0	0.6	90.8
0.5	10.0	0.7	70.3
0.7	3.8	0.9	33.5

### Total Measured, Indicated and Inferred Mineral Resources

Cut-off Cu %	Mt	Cu Grade %	Copper Kt
<b>0.2</b>	<b>69.6</b>	<b>0.6</b>	<b>451.9</b>
0.5	46.3	0.8	356.4
0.7	21.9	1.0	211.6







# BKM COPPER FEASIBILITY STUDY (2023)

## Optimise Production & Cashflow to Grow the Business

Project Physical Aspect	Unit	2022 FS Update
Ore Mined	Mt	38.4
Waste Mined	Mt	52.5
Total Material Mined	Mt	90.9
Strip Ratio	W:O	1.37
Maximum Ore Treatment Rate	Mt/Yr	4.5
Soluble Copper grade	% Cu	0.51
Ore Stacking Period	Years	9.0
LOM Cathode Produced	kt	154.3

 **PRE-PRODUCTION CAPEX \$236.5m<sup>1</sup>**

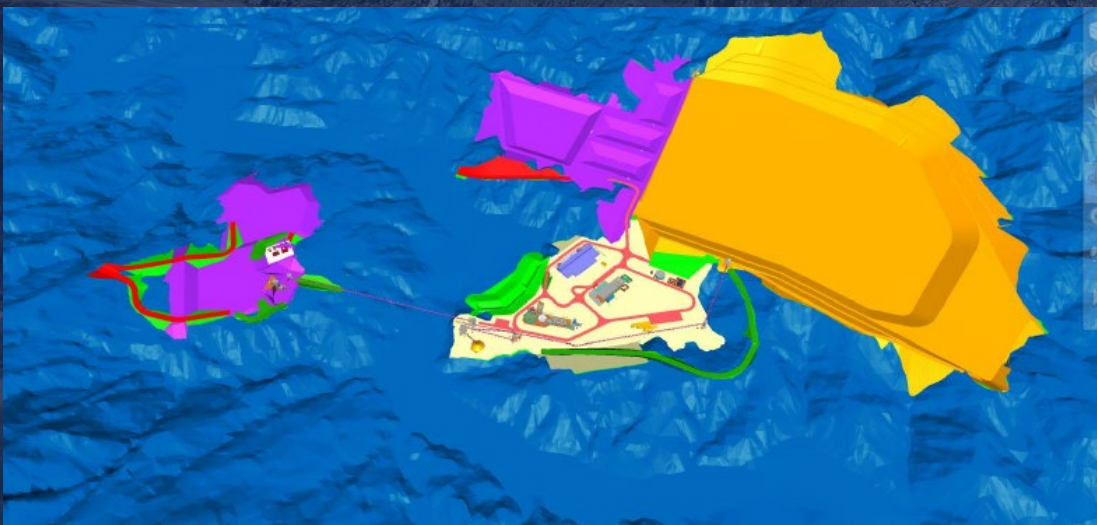
 **15-20ktpa CATHODE PRODUCTION  
154.3KT 10 years**

 **PROJECT REVENUE > \$1.3 billion<sup>2</sup>**

 **LOW STRIP RATIO 1.37:1**

 **ENABLING STARTER PROJECT FOR KSK  
COW – UNLOCKS SIGNIFICANT GROWTH  
OPPORTUNITY**

 **STAGE 2 TO EVALUATE LARGER  
PRIMARY COPPER SULPHIDE / PYRITE  
and POLYMETALLIC RESOURCES**



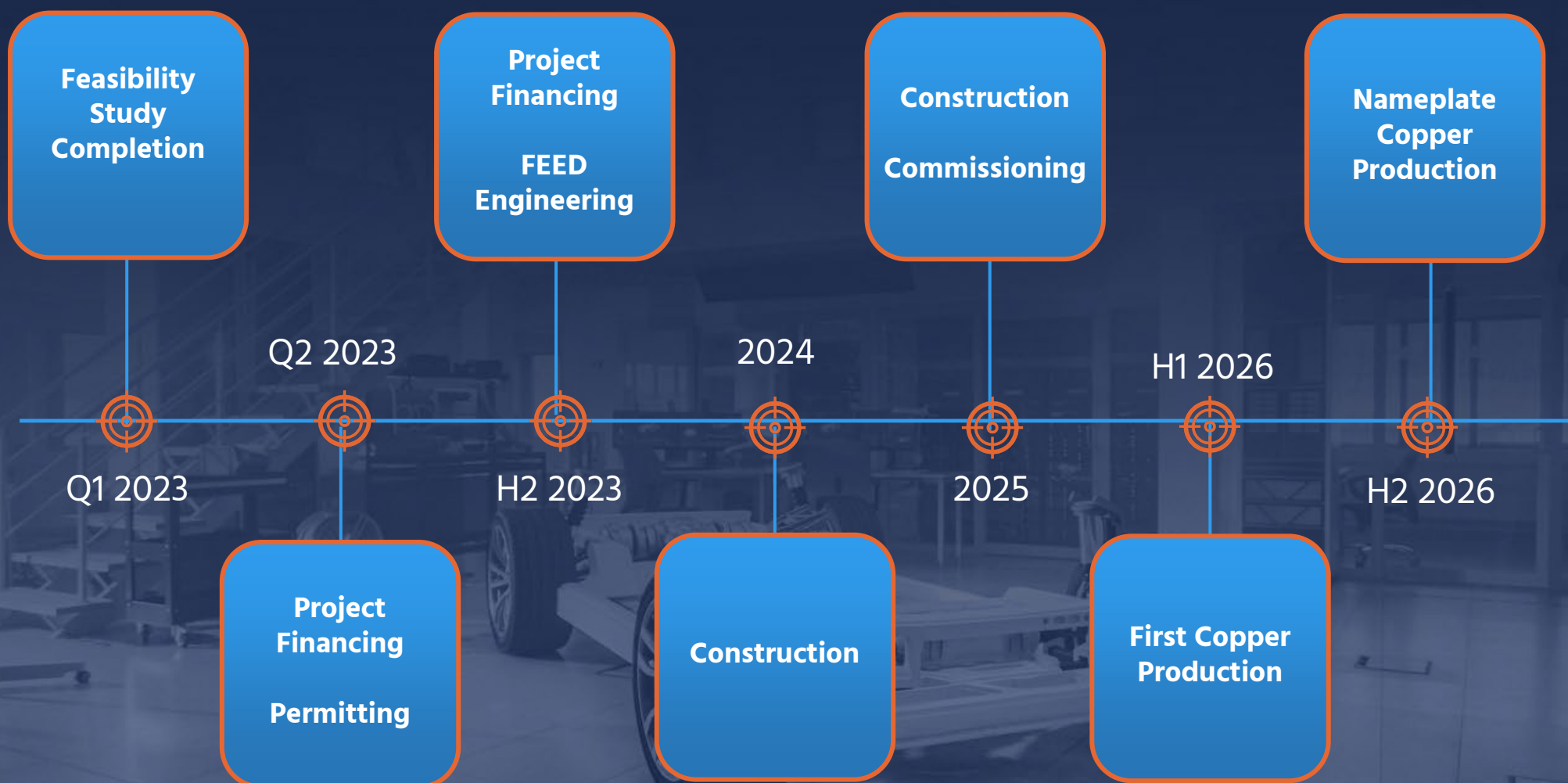
1. Final figure subject to Board Approval including \$26.6M growth and contingency  
2. Based on current consensus long term Copper Price Forecast



# BKM COPPER PROJECT THE PATH FORWARD



Indicative timeline to bring BKM Copper Heap Leach Project to Production.



Note the timelines above are indicative only; are based on information available at this time without unforeseen delays; are subject to prevailing market conditions.



# KALIMANTAN KSK COW

## BKZ Resource Growth Potential / Project Optionality

- 🦒 BKZ Prospect – immediately adjacent to proposed BKM mine.
- 🦒 7,100m of resource expansion drilling completed 2021/22.
- 🦒 Updated BKZ resources delivered May 2022. Material upgrades of all resources demonstrates significant upside.
- 🦒 BKZ resources remain defined in Upper Polymetallic Zinc/Lead Zone and a Lower Copper/Silver Zone.
- 🦒 BKM and BKZ interpreted to be parts of same 3km long VHMS system. Open in most directions.
- 🦒 Multiple targets to convert drill defined Exploration Targets to JORC Resources.
- 🦒 New Gold deposit opportunity with significant size potential.

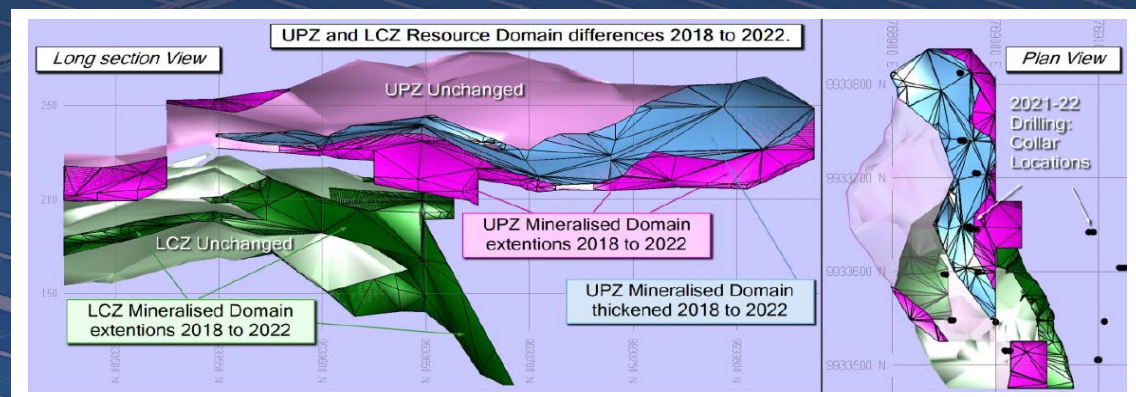
### BKZ Mineral Resource Estimate – May 2022

#### Upper Polymetallic Zone – Inferred Resource (JORC 2012) <sup>1</sup>

	Tonnes (kt)	Grade				Metal			
		Zn (%)	Pb (%)	Ag (ppm)	Au (ppm)	Zn (kt)	Pb (kt)	Ag (kOz)	Au (kOz)
1% Zn Cut Off	1,680	6.0	2.4	45	0.27	101	40	2,415	14.6

#### Lower Copper Zone – Inferred Resource (JORC 2012) <sup>1</sup>

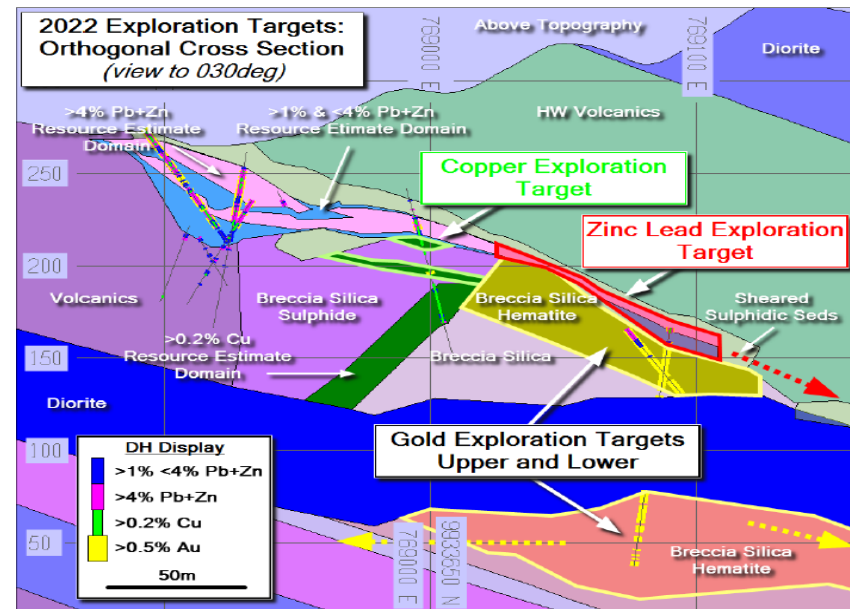
	Tonnes (kt)	Grade				Metal			
		Cu (%)	Au (ppm)	Ag (ppm)		Cu (kt)	Ag (kOz)	Au (kOz)	
0.5% Cu Cut Off	1,600	1.3	17	0.14		21	895	7.2	





# KALIMANTAN KSK COW

## BKZ Resource Growth Potential - Exploration Targets



**BKM Base Metal and Gold-Silver Exploration Targets – May 2022**

BKZ Exploration Targets (JORC 2021)						
Mineralization Zone	Tonnes (kt)	Grade				
		Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (g/t)
Zinc / Lead	250 – 1500	6 – 9	3 – 5			
Copper	100 – 150			1.0 – 1.5	20 – 50	
Upper Gold/Silver	3000 – 3800				100 – 150	1.0 – 1.5
Lower Gold/Silver	1000 – 1500				20 – 40	0.4 – 0.7

- BKZ resource drilling campaign defined a series of JORC compliant Exploration Targets.
- These represent excellent near-term, resource growth opportunities.
- Potential expansion of the Upper Zinc/Lead polymetallic zone, build critical mass for future treatment.
- Exciting new discovery of Gold/Silver rich lens during recent drill campaign. Outstanding results received include:
  - 99m @ 2.42g/t Au, 542g/t Ag, 5.02% Pb incl 30m @ 6.3g/t Au, 1,188g/t Ag, 13.5% Pb, 0.14% Cu;
  - 55 metres @ 4.22 g/t Au, 468g/t Ag and 1.0% Pb from 115 metres





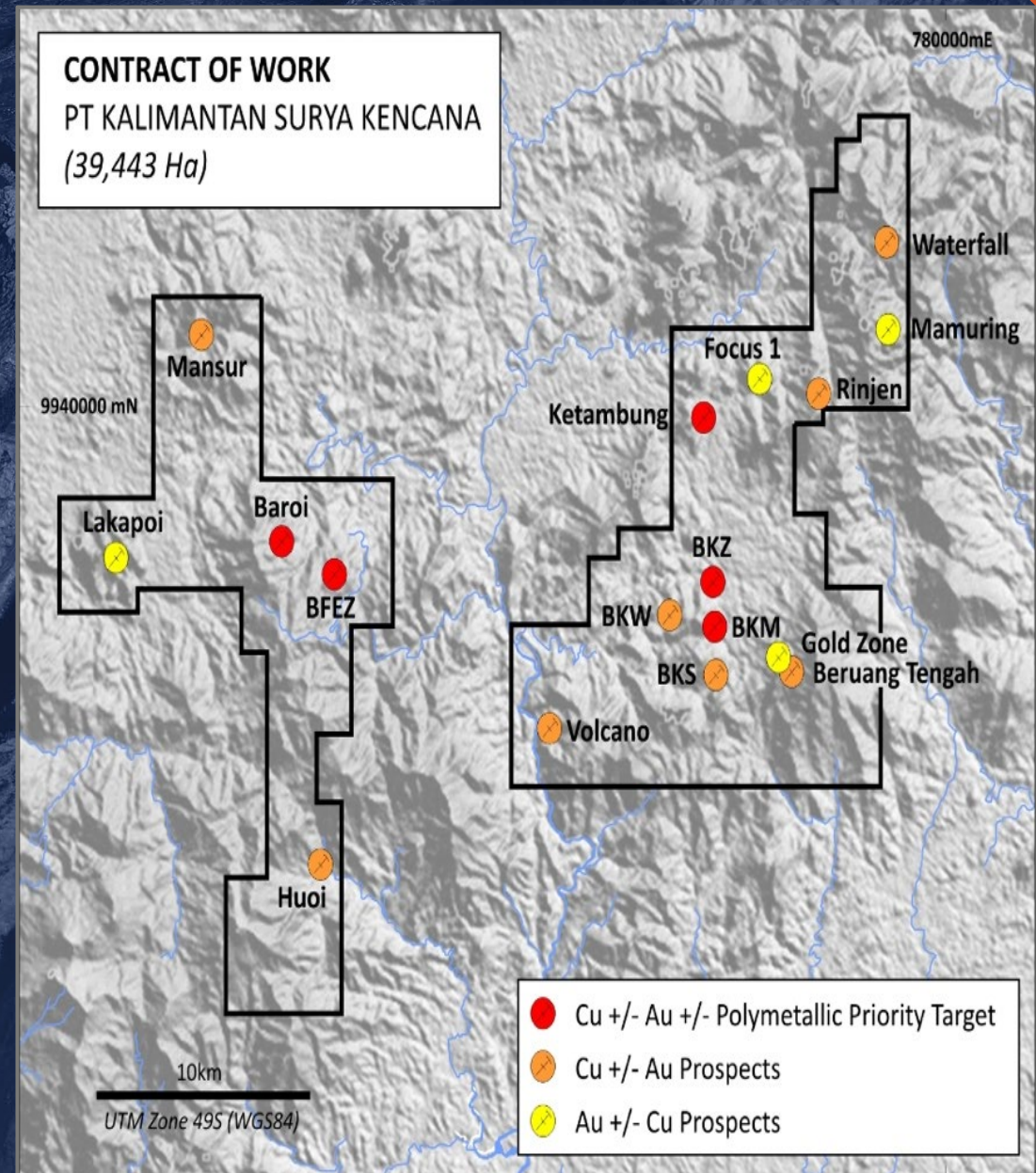
# KALIMANTAN KSK COW

## District Scale System Underexplored

- 🦅 Potential for multiple discoveries
- 🦅 15 highly prospective targets identified
- 🦅 Copper-rich polymetallic vein systems over 4km<sup>2</sup> at Far East Zone (FEZ). Approx. 10km<sup>2</sup> of potential interest at Baroi Central and South Zones
- 🦅 FEZ defined by outcropping massive bornite – chalcopyrite copper mineralisation with locally strong lead and zinc mineralisation
- 🦅 Veins vary in width from cm-scale to up to 15 meters and are associated with a discrete gravity high anomaly (gravity high)



Strong copper in BF-5, incl. 31.45m@3.63% Cu, 115g/t Ag (from 0m) + 24.0m@4.59% Cu and 88.5g/t Ag (from 41.45m)





# BEUTONG COPPER-GOLD PROJECT

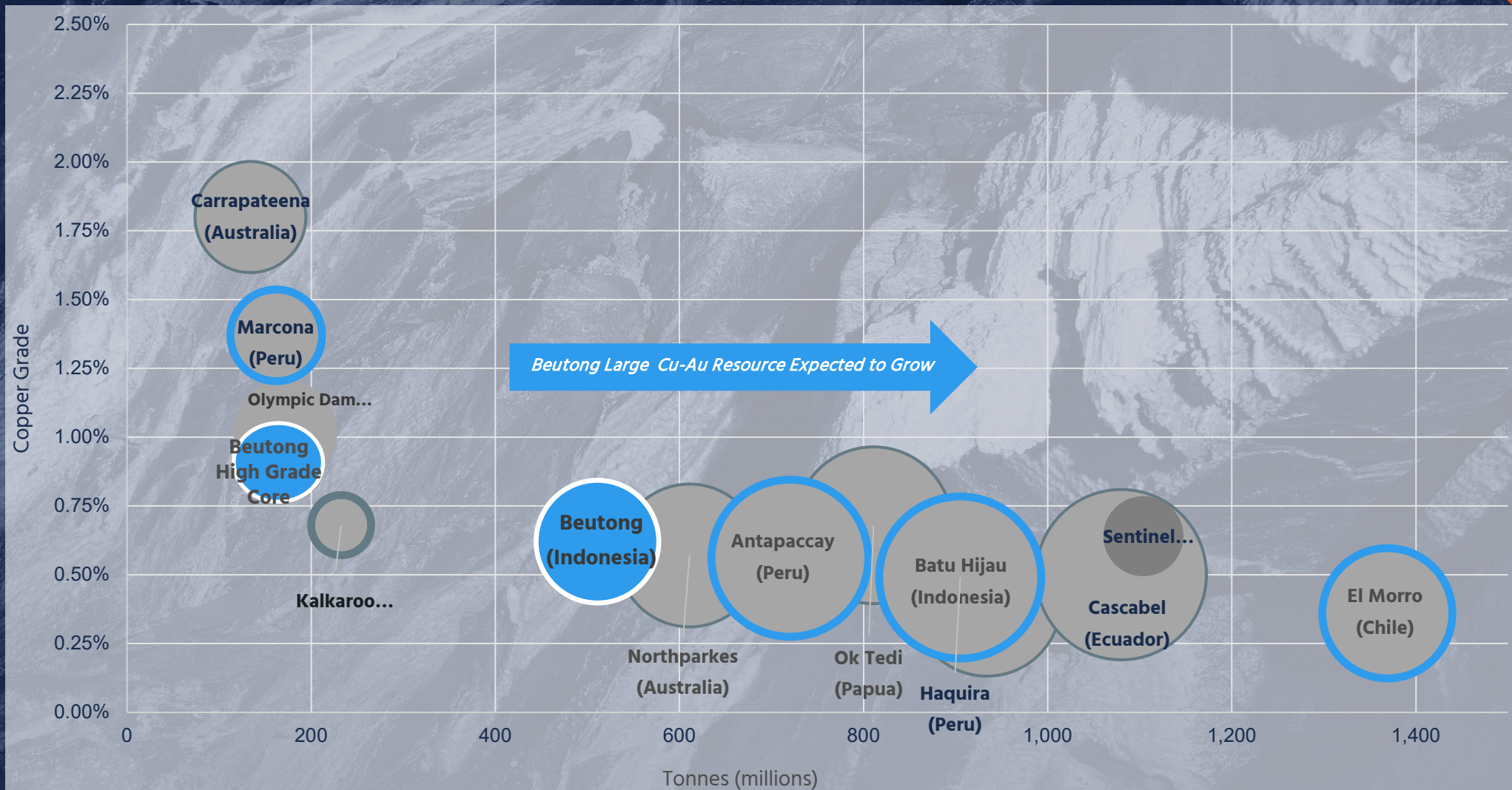






# BEUTONG COPPER - GOLD DEPOSIT

Large, High Quality, Globally Significant



Source: Companies Websites

Note: Selected based on contained copper (Measured & Indicated Resources, inclusive of Mineral Reserves, and Inferred Resources)



# BEUTONG COPPER – GOLD DEPOSIT:

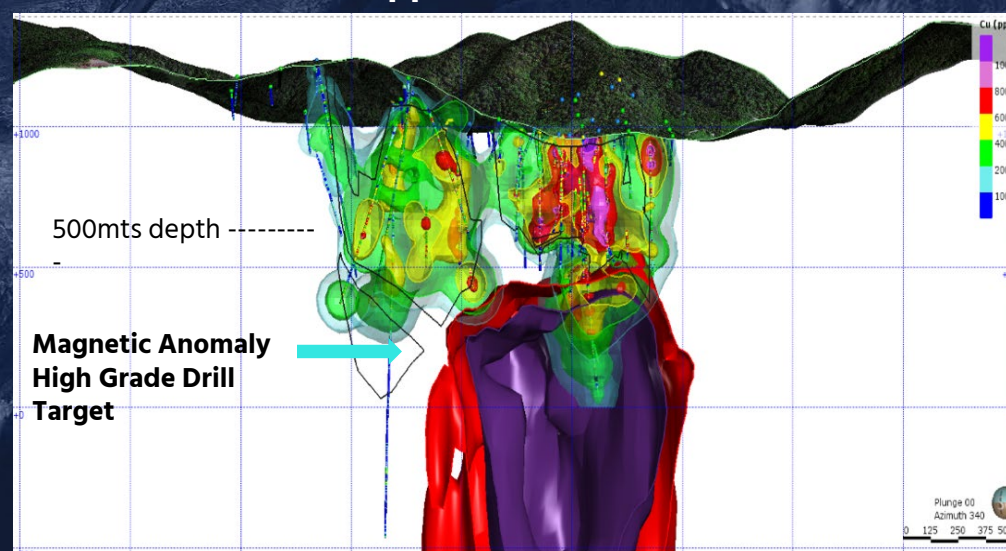
## Exciting Cu-Au Discovery High Quality Deposit with Huge Upside



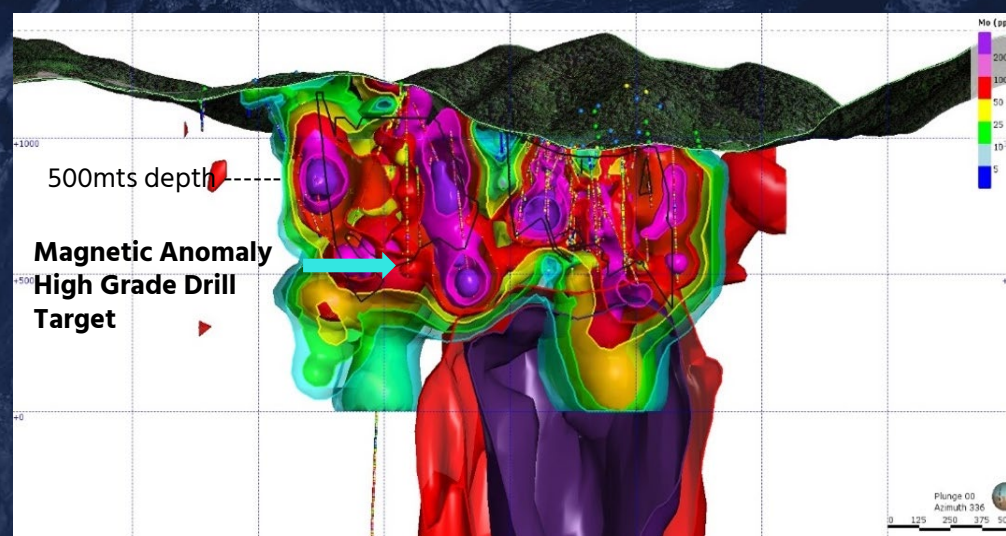
- Large, high quality porphyry Cu-Au-Mo deposit.
- Measured + Indicated Resources JORC 2012(100%)  
**1.2Blbs Cu, 0.4Moz Au, 5.7Moz Ag, 20Mlbs Mo \***
- Inferred Resources JORC 2012 (100%)  
**4.1Blbs Cu, 1.7Moz Au, 14.9Moz Ag, 112Mlbs Mo \***
- High-grade porphyry copper mineralisation:  
BEU0900-08 : 456.0m @ 0.93% Cu, 0.15g/t Au from 10m  
BEU0800-01 : 215.8m @ 1.20% Cu, 0.20g/t Au from 4.8m  
BEU0800-02 : 320.4m @ 1.11% Cu, 0.19g/t Au from 6.6m  
BEU0700-03 : 384.2m @ 0.68% Cu, 0.21g/t Au from 71.5m
- Deposit remains open with interpreted high-grade core at depth
- Strongly mineralised Cu-Au skarn 200m north of Beutong East remain open. Drill results include:  
BC007-01 : 33.0m @ 2.31% Cu, 1.23g/t Au from 47.0m
- Magnetics highlight potential for high grade core at depth similar to giant high grade porphyry deposits such as Newcrest's Wafi-Golpu and Solgold's Cascabel

\* Refer appendix 1. for Resource estimates

### Copper Model



### Molybdenum Model







# BEUTONG DEPOSIT: INFRASTRUCTURE

Road, Power, Port Infrastructure in close proximity

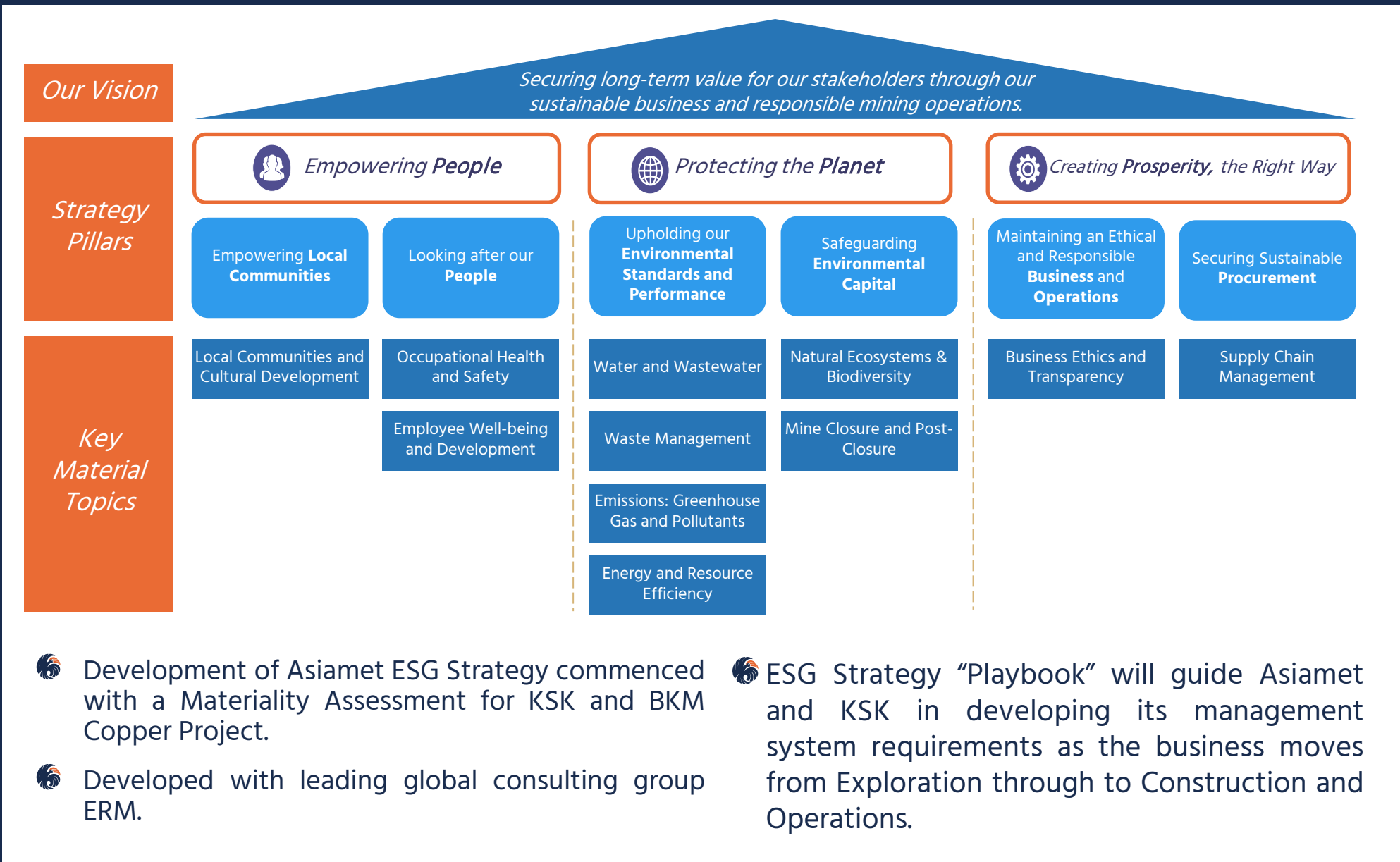
- Project is well located - within easy access to north-east of the township of Meulaboh, Aceh
- Access to project site is via partially sealed roads from the regional towns of Meulaboh and Takengon
- Meulaboh - population 65,000. Commercial airport
- New seaport approximately 5km southeast of Meulaboh
- 2 x 110MW Power Station operated by state owned electricity company PLN
- 2 x 200MW Power station completed by China-CDTO and operational.
- Aceh Province promoting investment





# ASIAMET ESG STRATEGY FRAMEWORK

## Asiamet / KSK ESG Development Strategy







# SOCIAL CAPITAL

## Asiamet / KSK & YTS Community Engagement Model

- Asiamet/KSK closely involved in community and social development in Central Kalimantan since commencing exploration in 1981.
- Company established YTS foundation in 1997 and has provided support since.
- Enormous amount of Social Capital has been built over 40 years – critical to successful development and operations
- KSK/YTS model involves six primary areas of Community Engagement & Development.
- Through partnership with YTS the Company has completed wide ranging community Focus Group Discussions in 2022.
- The Focus Group Discussions provide input into KSK's Master Community Management Plan.
- This plan is a regulatory requirement with progress reported to the Government of Indonesia on an Annual basis.





# SOCIAL CAPITAL

## Asiamet / KSK & YTS Community Engagement Model



750 Students beneficiaries  
KKC Scholarship



Village development planning  
support on 32 villages



Computer training for village  
government staff on 32 villages



Livelihood and entrepreneur  
training on 5 joint business groups



# PHASED VALUE CREATION STRATEGY – KSK



## PHASE 1 – BKM Copper Heap Leach SXEW

- Develop heap leach to get into production of copper cathode – direct sale to international markets
- Establish infrastructure to support existing and longer term operations.
- Copper Cathode Production reaching 19.6kt in Years 2 and 3, 16ktpa remaining life of mine.

## PHASE 2 – BKM Copper / Pyrite Concentrate Float / Roast / Refine

- Latent capacity in BKM Copper Crushing circuit to feed a new mill/Flotation circuit.
- Produce High Grade Copper/Pyrite concentrate, pump to offsite location for filtering.
- Transport filtered concentrate to new Concentrate Roaster / Copper Refinery
- Roaster recovers Iron Oxide and Sulphuric Acid from Pyrite, copper refinery produces copper cathode.
- Initial development would look at 250ktpa Concentrate production/treatment
- Update BKM Pit Optimisation as Pyrite has value, Retreat Spent Ore from Heap Leach

## PHASE 3 – BKZ Lead / Zinc / Copper Concentrate Float

- Expand Flotation Circuit for recovery of three separate concentrates (Lead / Zinc / Copper)
- Upgrade Concentrate pipeline and filter plant offsite to treat higher volume of new concentrates.
- Lead and Zinc Concentrates delivery to smelters in Central Kalimantan (only smelters in Indonesia)
- Upgrade Pyrite Roaster circuit to treat higher grade copper concentrate.



# PHASED VALUE CREATION STRATEGY – BEUTONG



## PHASE 1 – Copper Concentrate Production Existing M&I Resources

- Measured and Indicated Resources 90Mt @ 0.61% Copper, 0.12g/t Gold, 1.92g/t Silver (0.3%Cu CoG)
- Assume conversion of convert M&I Resources (0.5%Cu cut-off) to Mining Reserve of 65Mt @ 0.68%Cu
- Flotation Concentrator Design 6.5Mtpa producing circa 35ktpa copper, 10 year mine life

## PHASE 2 – Expand Measured and Indicated Open Pit Resource & Expand Concentrator

- Current Resources within 500m depth and amenable to Open Pit mining.
- Convert current Inferred Resources to Measured Resources and Establish new Ore Reserve.
- Expand Concentrator depending on outcome of Reserve with target of +50ktpa Cu in Conc.

## PHASE 3 – Beutong Underground Project

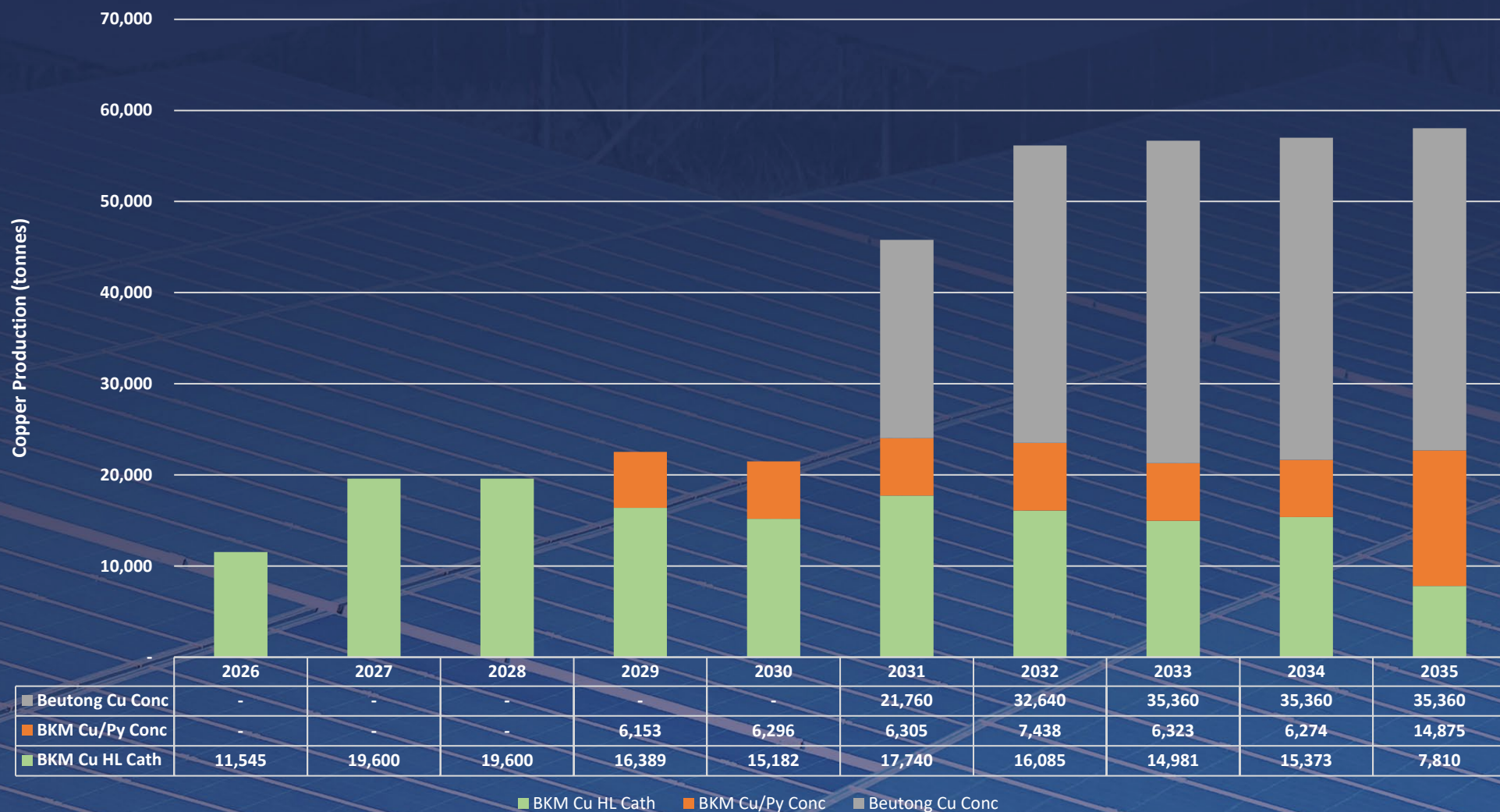
- Deep drilling to determine potential for high grade underground resource.
- Dependent on outcome, scope underground development.
- Long term development timeline. Drilling may commence as part of Phase 2 above (infill open pit extends to underground resource)

# ASIAMET LONG TERM STRATEGY - COPPER



## Three Phase development to reach 60ktpa total copper production

- Phase 1 - BKM Copper Heap Leach SX-EW – Copper Cathode
- Phase 2 - BKM Copper / Pyrite Concentrate – Copper Cathode (Roaster/Refinery), Sulphuric Acid
  - Potential to Deliver 300ktpa Sulphuric Acid Production
- Phase 3 – Beutong Copper / Gold / Silver – Copper Cathode (Smelter/Refinery), Sulphuric Acid







# WHY INVEST IN ASIAMET RESOURCES?

## QUALITY ASSETS & PEOPLE

- 🦅 Focussed **team with a proven track record** - Indonesia, discovery, mine development
- 🦅 Large and growing copper resource inventory of circa **3Mt contained copper**, solid grade, significant upside
- 🦅 KSK CoW hosts **development ready BKM copper project**; substantial near- term value
- 🦅 **Beutong** is a rare large **tonnage copper-gold deposit** close to key infrastructure and major consumer markets in Asia
- 🦅 **Strong support** from government and community relationships

## VALUE

- 🦅 **Sustained strong copper demand** driven by Asian economic growth, renewable energy infrastructure and EV's
- 🦅 **Supply is constrained** due to a lack of exploration discovery and investment in new projects
- 🦅 **Trading at a deep discount** to comparable assets on all historical market metrics
- 🦅 **Long Term Strategy** to deliver in excess of 50ktpa copper production with multiple additional value products (Sulphuric Acid, Gold, Silver, Lead, Zinc)

## TIMING

- 🦅 **Copper is key** to decarbonisation of energy systems
- 🦅 **Indonesia** is positioning itself as the **energy metals hub of choice** in Asia
- 🦅 **Strong news flow** expected from BKM FS Completion, permit milestones, BKM project financing and potential partnerships for BKM and Beutong.



# ASIAMET RESOURCES

## CONTACT INFORMATION

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**Chief Executive Officer**

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# ASIAMET RESOURCES

## APPENDICES

# APPENDIX 1. BEUTONG PROJECT: Mineral Resource

## Large Cu-Au-Mo deposit with higher grade core from surface



**Beutong 2019 Resource Estimate - Report at 0.3% Cu Lower Cut**

Classification (JORC 2012)	Mineralisation	Tonnes (Mt)	Grade				Metal			
			Cu (%)	Au (ppm)	Ag (ppm)	Mo (ppm)	Cu (Kt)	Au (kOz)	Ag (kOz)	Mo (Kt)
Measured	East Porphyry	34.0	0.67	0.13	1.68	90	226	142	1,830	3
Indicated	East Porphyry	50.0	0.57	0.10	1.56	116	281	159	2,485	6
	Skarn	7.0	0.71	0.28	5.89	8	46	59	1,244	0.1
Inferred	East Porphyry	83.0	0.54	0.13	2.32	147	450	347	6,191	12
	West Porphyry	321.0	0.43	0.13	0.78	121	1,366	1,340	8,042	39
	Outer East Porphyry	6.0	0.36	0.06	1.12	157	20	11	198	1
	Outer West Porphyry	5.0	0.36	0.10	0.84	54	18	16	133	0.3
	Skarn	5.0	0.67	0.24	5.10	10	32	37	794	0.0
Measured	Total	34.0	0.67	0.13	1.68	90	226	142	1,830	3
Indicated	Total	56.0	0.58	0.12	2.07	125	327	218	3,729	6
Inferred	Total	418.0	0.45	0.13	1.14	125	1,886	1,751	15,359	52
<b>Total</b>		<b>509.0</b>	<b>0.48</b>	<b>0.13</b>	<b>1.28</b>	<b>120</b>	<b>2,429</b>	<b>2,111</b>	<b>20,917</b>	<b>61</b>

**Beutong 2019 Resource Estimate - Report at 0.5% Cu Lower Cut**

Classification (JORC 2012)	Mineralisation	Tonnes (Mt)	Grade				Metal			
			Cu (%)	Au (ppm)	Ag (ppm)	Mo (ppm)	Cu (Kt)	Au (kOz)	Ag (kOz)	Mo (Mlb)
Measured	East Porphyry	28.0	0.72	0.13	1.74	92	200	116	1,551	3
Indicated	East Porphyry	33.0	0.64	0.10	1.66	119	220	105	1,750	4
	Skarn	4.0	0.84	0.34	6.51	7	38	49	936	0.03
	East Porphyry	46.0	0.63	0.14	2.49	164	292	208	3,692	8
	West Porphyry	45.0	0.57	0.11	0.88	142	259	161	1,284	6
	Outer East Porphyry	0.2	0.55	0.09	1.22	226	1	1	8	0.04
Inferred	Outer West Porphyry	0.2	0.57	0.08	1.84	51	1	0.6	14	0.012
	Skarn	3.0	0.80	0.27	5.68	8	27	30	623	0.03
Measured	Total	28.0	0.72	0.13	1.74	92	200	116	1,551	3
Indicated	Total	37.0	0.66	0.13	2.24	105	248	154	2,686	4
Inferred	Total	95.0	0.61	0.13	1.83	148	580	399	5,621	14
<b>Total</b>		<b>160.0</b>	<b>0.64</b>	<b>0.13</b>	<b>1.91</b>	<b>128</b>	<b>1,028</b>	<b>669</b>	<b>9,858</b>	<b>21</b>

Rounded estimates – rounding may cause apparent computational discrepancies. Significant figures do not imply precision. Nominal lower Cu grade applied.



