

## BUILDING A LEADING ASIAN COPPER MINING BUSINESS



**FEBRUARY 2021** 

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# **Forward Looking Statement**



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#### **Qualified Person**

Duncan Hackman (B. App. Sc., MSc., MAIG) of Hackman & Associates Pty Ltd (Australia) is the independent Qualified Person within the meaning of JORC 2012 for the purposes of Mineral Resource estimates contained within this Presentation. John Wyche from Australian Mine Design and Development Pty Ltd. Is the independent qualified person for the purpose of the BKM Ore Reserve Statement. Mr Wyche is a Member of the Australasian Institute of Mining and Metallurgy. He has 32 years of experience with the BKM style of mineralisation and type of mining. He has consented to be named as the Competent Person for the Ore Reserves.

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# **Company Overview**



Asiamet Resources Limited (AIM:ARS) is focused on the development and growth of its high quality, large scale, copper – copper-gold deposits in Indonesia

# HIGH QUALITY PORTFOLIO

- Rare portfolio of base and precious metal projects with district scale upside
- BKM Copper SX-EW Feasibility Study with solid economics
- BKZ High grade Zn-Pb-Cu-Ag-Au deposit
- Beutong large copper gold porphyry deposit

# COMPELLING VALUE BIG GROWTH

- JORC Resources contain
   2.8Mt Cu, 2.1Moz gold,
   22Moz silver, 60Kt Zn, 26Kt
   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**

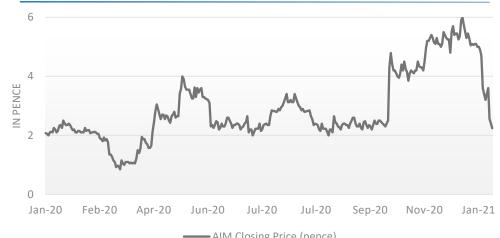
- Internationally recognised team with proven track record of building and operating mines
- +30 years Asian regional mine development and operations experience e.g. Sepon, Martabe, Nui Phao, Mt Muro
- Focussed on value delivery
- Management with substantial hard \$ invested in Company

# Why Invest in Asiamet

**SIAMET** RESOURCES

- Strong macro environment for copper
- Pipeline of high quality copper and copper-gold projects with 3Mt copper in JORC Resource-Reserve on the doorstep of key consumer markets
- Proven team of mine finders and developers
- Recent termination of sale agreement has negatively impacted share price. Compelling value on any copper market metric
- Work program in progress to advance BKM project to construction ready status and daylight upside growth potential of copper asset portfolio

#### **Share Price since January 2020**



#### **Capital Structure (AIM: ARS)**

Market Capitalisation	£35.3m/\$48.3m
Shares in issue (m)	1,474.2
Share Price	2.40p
As at 10 February	

#### **Key Shareholders**

Aeturnum Energy	19.9%
Asipac Group	8.1%
Board and Management*	4.6%
Namarong Investments	2.6%

<sup>\*</sup>Board and Management excludes Bruce Sheng who has a beneficial ownership through his interest in Asipac Group

# **Copper Outlook is Strong**

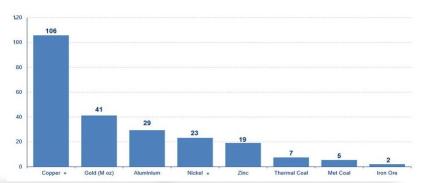
## Rising demand from Renewables and EV Sectors



- Worlds largest base metals market (22Mtpa consumption)
- Multitude of industrial applications
- Strong demand for electricity generation and transmission due to rising global population
- Powering the InfoTech revolution
- Renewable Energy and Electric Vehicles driving greater intensity of copper use
- Supply constrained few new discoveries or developments - US\$106B of investment needed to meet forecast supply deficit by 2028









## **Corporate Overview**

## Experienced team with proven track record

#### **Executive Management**



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



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



Dominic Heaton | Feng (Bruce) Sheng | Faldi Ismail | Peter Pollard









**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.

**ASIAMET** RESOURCES

#### **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.

#### **Andrew Neale**

Study Manager- BKM Copper Project

Mining Executive, Metallurgist 30+ years global experience. Falconbridge-Noranda, Freeport, Merdeka Copper Gold, Bumi Resources. Experienced in mine design, construction, operation and closure.

#### **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

# Portfolio Value Drivers – Work Program



Key activities planned to unlock and deliver value over the next 12 months:

#### **BKM Copper Development Project**

- Value engineering works
  - Metallurgical and process flowsheet optimisation
  - Operating and capital cost refinement
  - Detailed engineering and design
- Permitting
  - Finalise key borrow and use (Pinjam Pakai) forestry permit
  - Supplementary permits for construction and commencement of operations
- Project Financing
  - Debt / Equity / Offtake / IPO on IDX / Partial asset sale

#### **KSK Contract of Work**

• Drill test high probability copper targets in close proximity to the BKM Copper development project

#### **Beutong IUP**

- Community development work
- Drill test high grade Cu-Au deposit core at depth to highlight potential of the asset
- Introduce strategic partner to progress development studies

# **Portfolio Value Drivers - Timeline**



	2021	2022	2023
BKM COPPER PROJECT			
Value Enhancement			
Metallurgical optimisation			
Operating and capital costs refinements			
Permitting			
Supplementary Permits			
Forestry Borrow - Use Permit (Pinjam Pakai)			
Project Financing			
Debt / Equity / Strategic Partners			
Davelonment			
Commercial Production			
KSK EXPLORATION			
Testing high priority copper targets			
DELITONIC ILID			
Debt / Equity / Strategic Partners  Development Detailed Engineering and Design Construction Commissioning and ramp-up Commercial Production			

# **Key Projects – Indonesia**





### KSK Contract of Work (100%)

- KSK COW ~400km²
- Long-term tenure 30yrs post commencement of mining with potential for 2 X 10yr extensions
- Environmental permit granted;
   Indonesian Feasibility Study approved;
   Forestry permit for production in process
- JORC Compliant Resources and Reserves containing 452Kt Cu, 60Kt Zn, 26Kt Pb, 1.7Moz Ag, 8Koz Au. Huge Upside.

- BKM Copper Deposit Feasibility Study Completed
- BKZ Polymetallic Deposit
- 15 high potential Cu, Au and Polymetallic Base metal prospects to be explored
- Widely recognised Community Development Programs
- Well positioned Kalimantan has long history for mining

### Beutong IUP (80%)

- JORC Compliant Resources of 2.4Mt (5.3Blb) Cu, 2.1Moz Au, 20.9Moz Ag (100% basis)
- Indonesian Feasibility Study completed
- IUP Production-Operation Licence
   20yr tenure with 2 X 10yr extensions
- Mineralisation from surface open laterally and at depth
- Large target at depth yet to be tested

## Kalimantan KSK CoW

## BKM – JORC Resources and Reserves with Strong Growth Potential

Ore Reserves								
Category	Mt	Cu Grade %	Copper Kt					
Proved	21.1	0.6	137					
Probable	30.4	0.5	166					
Total	51.1	0.6	303					

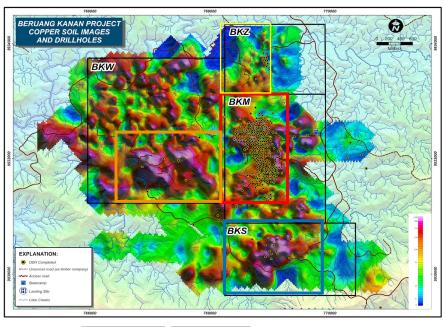
Measured Mineral Resources									
Cut-off Cu %	Mt	Cu Grade %	Copper Kt						
0.2	20.6	0.7	148.5						
0.5	5 14.9 0.8		124.9						
0.7	8.6	1.0	87.6						

	<b>Indicated Min</b>	eral 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

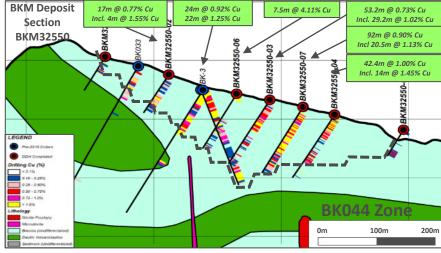
	Inferred Mineral Resources										
Cut-off Cu %	Mt	Cu Grade %	Copper Kt								
0.2	15.0	0.6	90.8								
0.5	10.0	0.7	70.3								
0.7	3.8	0.9	33.5								

Total Measure	Total Measured, Indicated and Inferred Mineral Resources									
Cut-off Cu %	Mt	Cu Grade %	Copper Kt							
0.2	69.6	0.6	451.9							
0.5	46.3	0.8	356.4							
0.7	21.9	1.0	211.6							

Ore Reserves and Mineral Resources are JORC (2012) compliant (see announcement dated 14 June 2019)



**ASIAMET** RESOURCES



# **BKM Initial Project – Feasibility Study**



## **Strong Production and Cashflow with Growth Potential**

#### **PRODUCTION**

20-25kt Copper Cathode

#### INITIAL CAPEX<sup>1</sup>

US\$223.4 million

## NPV<sub>8</sub> / IRR<sup>3</sup>

US\$124.8 million / 19.1% ~US\$225m with +3 years LOM

# NPV VALUE ADD OPPORTUNITIES

US\$35m project optimization<sup>5</sup> Up to US\$100m +3 years LOM

#### **FINANCIALS**

Revenue: US\$1.27 billion EBITDA: US\$563.3 million

# LOW CAPITAL INTENSITY<sup>2</sup>

US\$7,680/t

## C1<sup>4</sup> / AISC<sup>4</sup>

US\$1.65 / 1.78 lb

# IMMEDIATE RESOURCE GROWTH TARGETS



<sup>1</sup> Includes contingency of \$31.4 million

<sup>2</sup> Capital Intensity initial capital expenditure excluding contingency

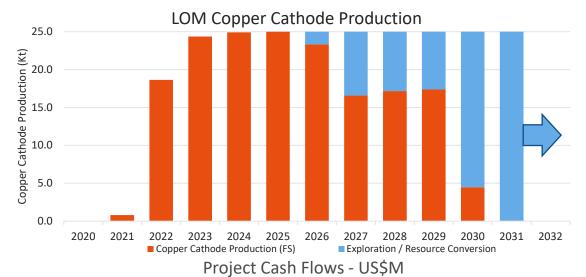
<sup>3</sup> After corporate income tax and includes closure costs of \$33 million

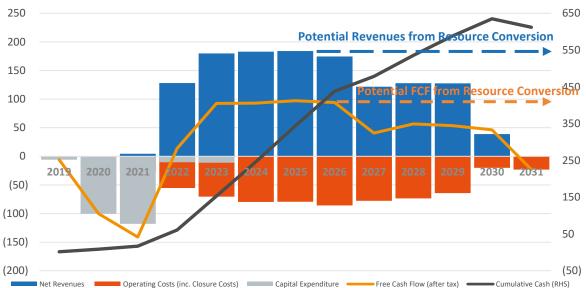
<sup>4</sup> US\$ per pound of copper produced. AISC = C1 + Royalties and Sustaining Capital

<sup>5</sup> Top 5 value enhancement opportunities have been risk adjusted to provide a ~\$35m uplift to NPV

# **BKM Initial Project – Feasibility Study**

## Strong Production and Cashflow with Huge Growth Potential





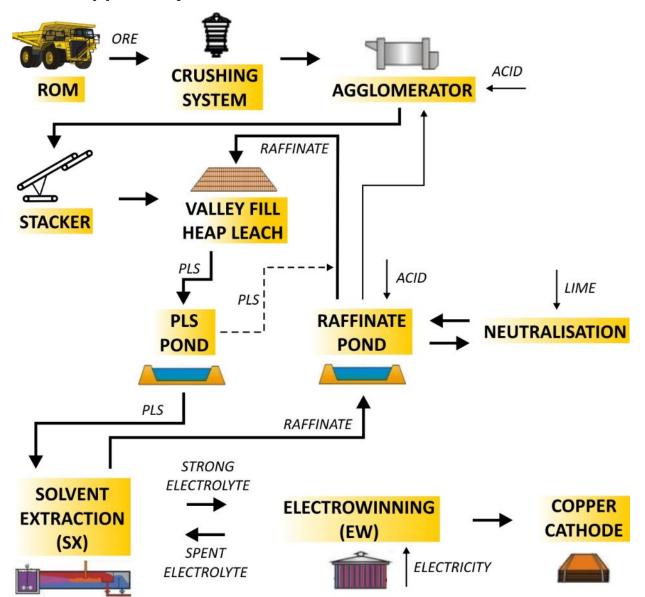
 Initial mine life 9 years with strong potential to convert Inferred Resources to extend mine life

**ASIAMET** RESOURCES

- Production of LME Grade A Copper Cathode at 25kt pa
- LOM Strip Ratio 1.4:1
- C1 cost \$1.65/lb, AISC \$1.78/lb
- Initial project revenues of \$1.27 billion
- Average free cash flow (after tax) over 2023-2026 of \$94 million, peaking at \$97 million in 2025
- Value uplift and life extension through exploration will enhance an already robust project

## Kalimantan KSK CoW

### **BKM Copper Project – Process Flow Sheet**





### **Conventional Process Design**

**Process Route involves:** 

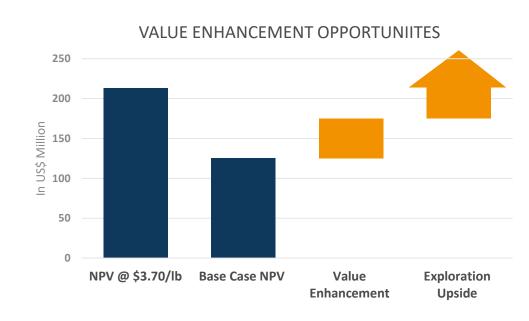
- 1. Crushing & grinding
- 2. Agglomeration
- 3. Heap-leach
- 4. Pls pond
- Solvent Extraction/Electrowinning (SX-EW)
- 6. Producing Grade A Copper Cathode

# **BKM Initial Project – Feasibility Study** Identified Value Enhancement Opportunities



The 'top 5' Value Enhancement opportunities deliver a 'risk adjusted' uplift to the base NPV of ~\$35m.

- Enhance copper recoveries through alternative leaching process technology (~\$20M)\*
- Improved mineralisation geological controls (~\$5M)\*
- Alternative electricity supply (~\$4M)\*
- Further refining the methodology of ore block classification (~\$3.5M)\*
- Reducing construction earthworks costs by sourcing locally and delivering synergies (~\$3M)\*
- Exploration drilling to add mine life from identified Resource targets proximal (less than 3kms) to the BKM Deposit



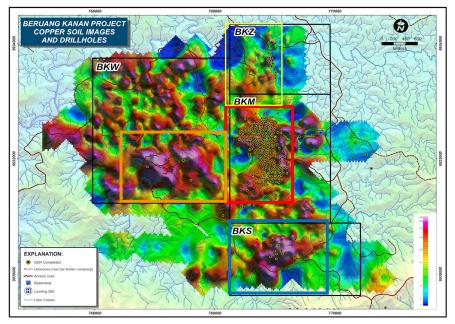
<sup>\*</sup> Identified values enhancements are 'risk adjusted' expected NPV<sub>8</sub> uplifts to the base NPV

### **Kalimantan KSK CoW**

#### **BKM District Exploration - Exceptional Growth Potential**



- BKM (red) is the first to be evaluated JORC Resource contains 452Kt Copper. Ore Reserves contain 303Kt Copper. Feasibility Study completed in Q2 2019
- Drilling outside BKM is very limited. Four key target areas identified are expected to add mine life and significantly enhance value
- BKS (blue) hits in first 7 holes include 10m at 2.52% incl.
   2m at 7.45% from 19.5m & 11m at 0.9% Cu from 14.5m.
- BKW (orange) strong copper in soil target still to be drill tested
- BKZ (yellow) New discovery of high-grade polymetallic mineralisation at surface, underlain by copper-silver
   First Resource after only 3 months drilling.
  - Upper Zone JORC Resource: 750,000 tonnes at
     8.0% Zinc, 3.4% Lead, 50g/t Silver, 0.35g/t Gold
  - Lower Zone JORC Resource: 590,000 tonnes at
     1.6% Zinc, 0.5% Lead, 13g/t Silver, 0.15g/t Gold
  - Copper Zone JORC Resource: 1.1M tonnes at1.1% Copper and 13g/t Silver





BKZ33650-01: 5m @ 21% Zinc, 9.5% Lead, 0.56g/t Gold, 132g/t Silver from 41m



BKZ33600-02 : 5m @ 2.9% Copper and 18g/t Silver from 71m

# **Beutong Copper-Gold Project**





## **Beutong Project – Infrastructure Advantage** Road, Power, Port Infrastructure Nearby



- Located only 60km inland and 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 50,000. Commercial airport
- New seaport approximately 5km southeast of Meulaboh
- 2 x 110MW coal-fired power station has been built approximately 5km south-east of Meulaboh, with excess capacity



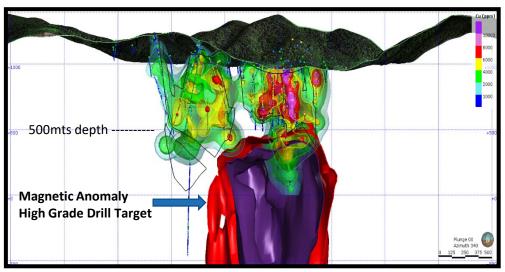
# **Beutong Project – Exciting Cu-Au Discovery**

## **High Quality Deposit with Big Upside**

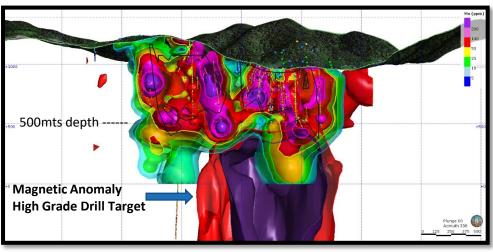
- Large, high quality porphyry Cu-Au-Mo deposit.
- Measured + Indicated JORC Resources (100%)
  - 1.2Blbs Cu, 0.4Moz Au, 5.7Moz Ag, 20Mlbs Mo
- Inferred JORC Resources (100%)
  - 4.1Blbs Cu, 1.7Moz Au, 14.9Moz Ag, 112Mlbs Mo
- High-grade porphyry copper mineralisation:
  - BEU0500-01 : 445.0m @ 0.54% Cu, 0.17g/t Au from 7m
  - 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 to east, west and depth, with an interpreted high grade core (chalcopyrite – bornite) 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
  - BC017-03: 35.8m @ 1.19% Cu, 1.26g/t Au from 84.0m
- Ground magnetic models highlight prominent magnetic body immediately beneath current drilling – potential for higher grade core identified at depth similar to giant high grade porphyry copper-gold deposits such as Newcrest's Wafi-Golpu (PNG) and Solgold's Cascabel (Equador)

# **ASIAMET** RESOURCES

#### **Copper Model**



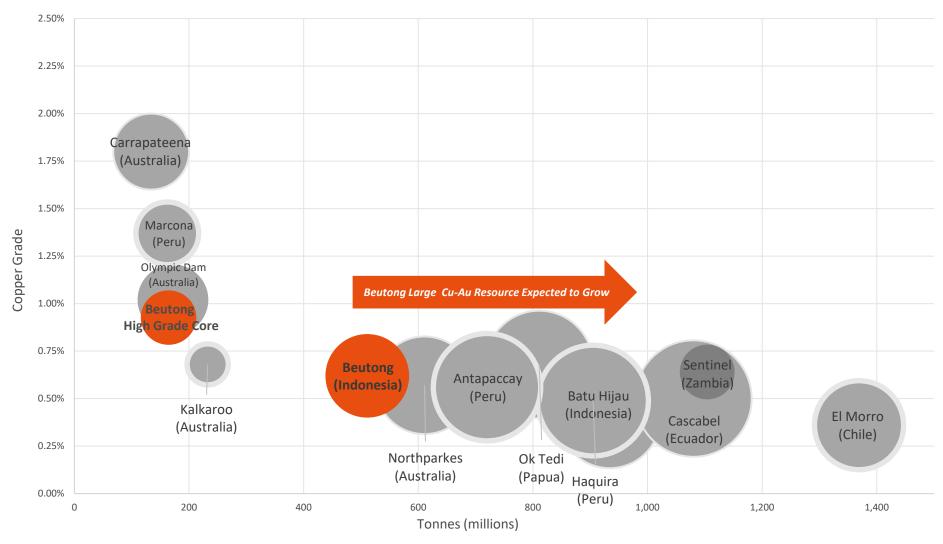
#### Molybdenum Model



# 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)

## **Community Development**

## Active social development programmes



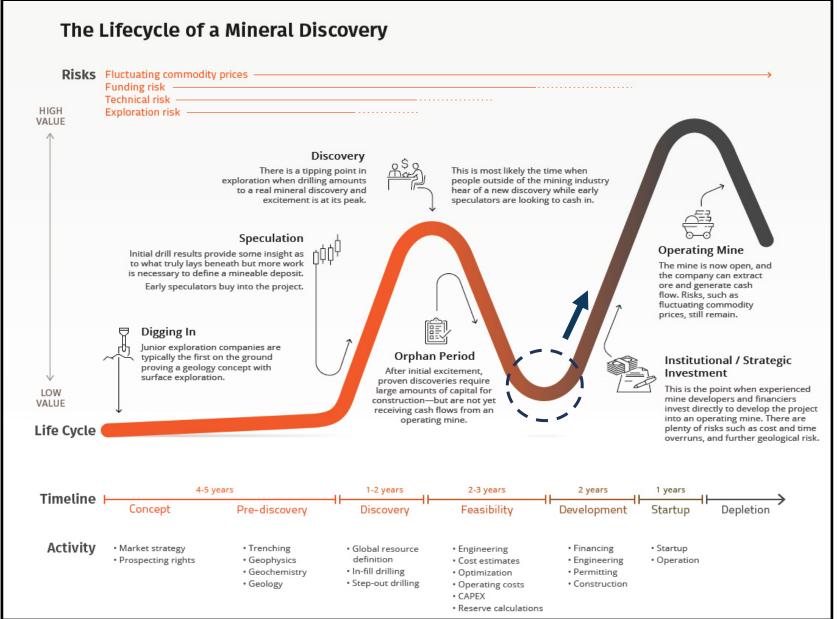
- Asiamet and its predecessor Companies have been closely involved in community and social development in Central Kalimantan since commencing exploration work in 1981. Company established Yayasan Tambuhak Sinta (YTS) foundation in 1997 and has provided management, staffing, and financial support since
- Asiamet through YTS, has been providing technical, economic, and institutional support to 22 Native Dayak villages surrounding the KSK project in Central Kalimantan. A further 9 villages are targeted for engagement
- Providing a range of capacity building initiatives to assist local communities on a range of issues impacting daily life including education and health services to economic and livelihood opportunities, and the development of local infrastructure
- Following a hiatus in activity due to funding constraints, community engagement and development programs have recently re-commenced to provide support to villages near the Beutong project. Initial programs underway supporting sustainable development of agricultural cash crops.





# Asiamet – An outstanding opportunity





# 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 coppergold deposit close to key infrastructure and major consumer markets in Asia
- Strong support from government and community relationships

#### **Value**

- Copper market is entering a period of sustained strong 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
- Asiamet is trading at a deep discount to comparable assets on all historical market metrics

#### **Timing**

- Rare near-term development ready copper project
- Outlook for copper price is closely aligned to Asiamet development timelines
- Solid news flow expected from BKM value engineering, project economics update, permitting milestones, drilling additional high probability copper targets, project financing workstreams; further drilling and metallurgical test work at Beutong and development partnering initiatives

## **Contact Information**



## AIM | ARS

Tony Manini Executive Chairman

**E:** tony.manini@asiametresources.com

W: www.asiametresources.com



# **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	Mineralisation	Tonnes (Mt)		Grade				M	etal	
(JORC 2012)		(,	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
Indicated	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
inierrea	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
Tota	al	509.0	0.48	0.13	1.28	120	2,429	2,111	20,917	61

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

Classification	Nain augliosticus	T (8.64)		Grade				Me	etal	
(JORC 2012)	Mineralisation	Tonnes (Mt)	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
Indicated	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
Inferred	Outer East Porphyry	0.2	0.55	0.09	1.22	226	1	1	8	0.04
	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
Tota		160.0	0.64	0.13	1.91	128	1,028	669	9,858	21