

# Asia-Pacific Gold Focus Fast track to gold production and growth

# Awak Mas - 1.74 Moz Mineral Resource

Investor Presentation – 17 October 2017

## **Value Proposition**



Nusantara's vision is to grow into a significant Asia-Pacific gold producer

The 100%-owned Awak Mas Gold Project in Indonesia is our first development project with production targeted in early 2020

### **Awak Mas Gold Project**

- √ 1.74 Moz Au Mineral Resource
- √ 100% owned
- ✓ Established infrastructure
- ✓ Fast track, low cost and long life operation
- ✓ Resource expansion drilling and DFS underway
- ✓ Exploration potential with significant value upside

#### Value Unlocked

- ✓ New geology and resource model
- ✓ Low cost grid power
- ✓ Whole of Ore CIL
- ✓ Improved gold recovery: 90 94%
- ✓ Project approvals in place
- ✓ Support from Zhaojin Mining
- ✓ New Board & Management

# Corporate Summary



Capital Structure	Shares (M)	Options (M)		
Escrowed	30.6			
Non Escrowed Shares	66.9			
Total	97.5			
Employee Options		4.9		
Loyalty Options		32.5		

Significant Shareholders	Holding
Lion Selection	32.2%
AustralianSuper	9.5%
Macquarie	5.1%
Jim Nominees Limited	4.0%
Silver Pine Capital Limited	3.7%
Top 10 Shareholders	66.5%
Total Shareholders	~550

1. 12 October 2017

 ASX IPO completed August 2017 raising A\$16.2M

■ Market Cap: A\$34M¹

Cash: A\$12M<sup>1</sup>

Enterprise Value: A\$22M

#### Loyalty options:

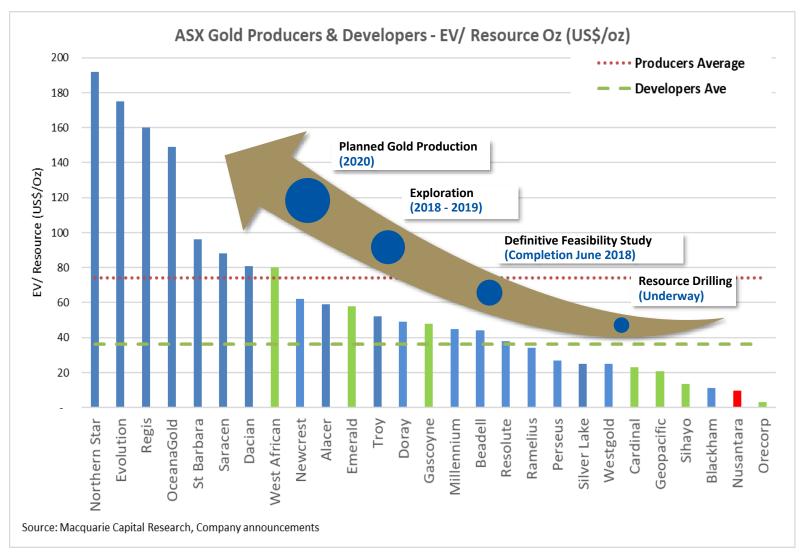
- To be issued November 2017 to eligible shareholders on a 1 for 3 basis
- Exercise price of 42c (IPO price) in September 2018

#### Zhaojin Mining

- Silver Pine Capital Limited
- Leading gold producer
- Listed on Stock Exchange of Hong Kong Limited (code HK: 1818)

### Investment Upside – Low EV/oz vs Peers





<sup>\*</sup> Macquarie Capital Research, Company Announcements, Gold Producers & Developers - EV/Resource Oz (US\$/oz) using US\$0.75 exchange rate.

# Experienced Board & Management Team





Martin Pyle Chairman

Professional company director, 30 years experience including geology, equity capital markets and project financing



**Craig Smyth Chief Financial Officer** 

Commercial/ accounting background, CEO Lion Selection Group. Previously with Coopers & Lybrand, Credit Suisse First Boston (London) and ANZ Investment Bank



Mike Spreadborough Managing Director

Mining engineer, background includes executive roles in project development and construction, technical evaluation and operations as COO (Sandfire, Ivanhoe), GM Operations (Rio Tinto), GM Mining (Olympic Dam), Manager Mining (Kanowna Belle)



Colin McMillan General Manager Geology

Geologist, 29 years with Newcrest including discovery phases at Telfer, Ridgeway, Cadia and Gosowong. 6 years in Indonesia



**Boyke Abidin President Director Indonesia** 

Indonesian National, commerce degree (London). Wide mining / government / social experience in Indonesia with Sihayo, Sumatra Copper & Gold. Engaged with Awak Mas since 2000



Adrian Pratt General Manager Technical Services

Mining engineer, 30 years experience. Senior roles in project development and technical evaluation including BHP Cannington (Manager Mining during development), Normandy, CRA and Newcrest (Telfer SLC Feasibility Study)



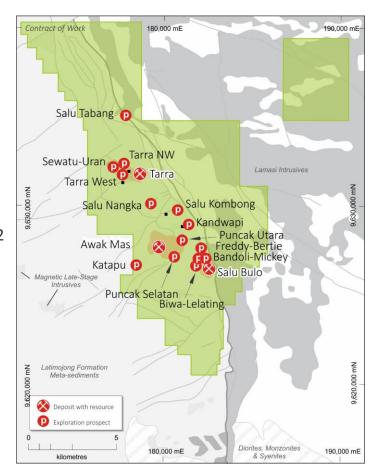
Rob Hogarth
Non-executive Director

Commercial / accounting background, ex KPMG head Jakarta

### Awak Mas Gold Project



- 1.74 Moz gold resource with potential to significantly increase<sup>1</sup>
- Multiple development studies, +124 km of drilling in +1,000 holes (~ US\$30M historical spend)
- 2016 PFS 10 year operation at 100,000 oz/yr with competitive margins<sup>2</sup>
- Low operating costs: power, strip ratio, simple metallurgy, labour
- Contract of Work (CoW) Construction
   Phase and environmental approvals
   secured
- DFS underway completion mid-2018
- Targeted gold production in early 2020



- Nusantara's IPO Prospectus dated 15 June 2017 as lodged on ASX on 1 August 2017 for further information on the Company's Mineral Resource and Exploration Target.
- One Asia Resources (oneasiaresources.com): Quarterly Report, 22 April 2016 for details of 2016 PFS. PFS outcomes subject to review in proposed Nusantara's DFS based on updated Mineral Resource per Nusantara's IPO Prospectus dated 15 June 2017.

### Mineral Resource is 1.74 Moz



		Constraining Pit Shell										
Awak Mas		US\$1,800			US\$1,600			US\$1,400			US\$1,200	
Cut-off Grade	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz
0.3g/t Au	55.7	1.08	1.93	49.1	1.12	1.77	45.2	1.14	1.66	27.2	1.13	0.99
0.5g/t Au	41.2	1.32	1.75	37.2	1.35	1.62	34.7	1.37	1.53	21.0	1.35	0.9
0.9g/t Au	24.0	1.78	1.37	22.4	1.80	1.30	21.2	1.81	1.24	12.8	1.78	0.73
Salu Bulo												
Cut-off Grade	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz
0.3g/t Au	1.5	2.50	0.12	1.4	2.52	0.12	1.4	2.53	0.11	1.2	2.55	0.10
0.5g/t Au	1.5	2.50	0.12	1.4	2.52	0.12	1.4	2.53	0.11	1.2	2.55	0.10
0.9g/t Au	1.5	2.51	0.12	1.4	2.53	0.12	1.4	2.54	0.11	1.2	2.57	0.10
Tarra												
Cut-off Grade	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz
0.3g/t Au	4.1	1.12	0.15	3.6	1.14	0.13	2.7	1.19	0.10	2.4	1.21	0.09
0.5g/t Au	3.4	1.27	0.14	3.0	1.29	0.13	2.3	1.34	0.10	2.1	1.36	0.0
0.9g/t Au	2.0	1.66	0.11	1.9	1.66	0.10	1.5	1.70	0.08	1.3	1.72	0.07
Project Total												
Cut-off Grade	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz	Mt	Au (g/t)	Moz
0.3g/t Au	61.4	1.11	2.20	54.2	1.16	2.02	49.3	1.19	1.88	30.9	1.19	1.18
0.5g/t Au	46.2	1.35	2.01	41.7	1.39	1.86	38.4	1.41	1.74	24.3	1.41	1.10
0.9g/t Au	27.6	1.81	1.61	25.7	1.83	1.51	24.1	1.85	1.43	15.3	1.84	0.9

#### Note:

- a) All Mineral Resources are completed in accordance with the 2012 JORC Code.
- b) The 2017 Mineral Resource is reported at a cut-off grade of 0.5 g/t Au and constrained within US\$1,400 per ounce optimised pit shells.
- c) All figures are rounded to reflect appropriate levels of confidence. Apparent differences may occur due to rounding.
- d) Nusantara's IPO Prospectus dated 15 June 2017 as lodged on ASX on 1 August 2017 for further information on the Company's Mineral Resource and Exploration Target.

# **Project Development Ready**

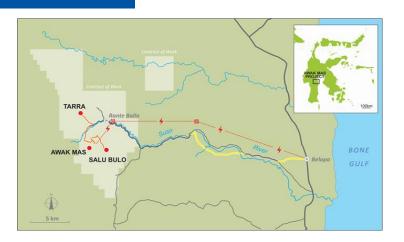


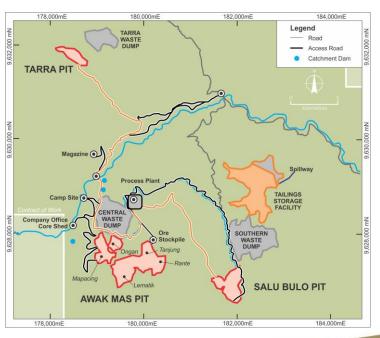
#### **Approvals In Place**

- 7th Generation CoW allows 100% foreign ownership
- CoW 14,000 ha in non-forestry land
- 3 year 'Construction Phase' awarded in June 2017
- Environment Permit awarded April 2017

#### **Infrastructure Ready**

- Low cost grid power: confirmed in August 2017
- Established ports: Palopo and Belopa
- Daily flights to Palopo from Makassar
- Road: 40 km by paved and unpaved roads from Belopa





### **Technical Advantage**

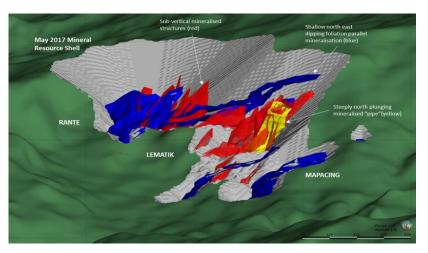


#### Mining<sup>1,2</sup>

- Throughput: 2 3 Mtpa
- Project strip ratio: ~3.5:1
- Diluted resource grade: 1.41 g/t Au
- Multiple ore sources
- Early production potential from Salu Bulo, resource grade 2.53 g/t Au

#### Milling

- Conventional metallurgy
- Whole of Ore CIL
- High recovery: 90 94%
- Final grind size: P80 of 75 μm
- Good water availability on site





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### Fast Track, Low Cost, Long Life



#### Low Cost, Long Life<sup>1</sup>

■ Production: 90 – 100,000 oz/annum

Mine life: >10 years

AISC: US\$500 - \$700/oz

Capex: US\$150 – \$175 million



HG mineralisation (Lematik), AMD222 - 155.8 metres downhole **44.5 g/t Au** 

#### **Fast Track Development**

2017	2018		2019		2020		
H2	H1	H2	H1	H2	H1	H2	





**Definitive Feasibility Study** 

Construction

**Production** 

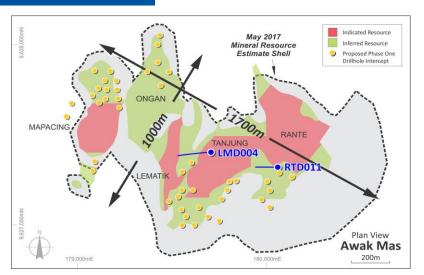
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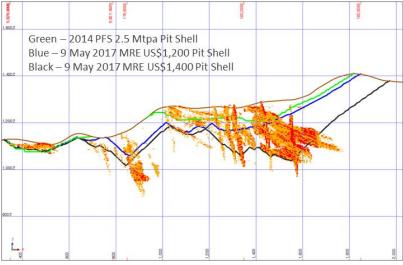
# Resource Upside Potential<sup>1</sup>



- Resource expansion drilling in progress with resource target increase of 0.3 - 0.5 Moz
- Focus on unclassified and Inferred mineralisation within or adjacent to US\$1,400/oz resource shell
- Phase 1 drilling program of ~8,000m - 35% complete - Awak
   Mas, Salu Bulo, & Tarra deposits
- Focus on known mineralisation areas within open pittable depths
- Potential to increase resource given mineralisation within and adjacent to US\$1400/oz shell

**Target**: 7 Mt to 10 Mt at an estimated grade between 1.3 g/t Au to 1.5 g/t Au.





Nusantara's IPO Prospectus dated 15 June 2017 as lodged on ASX on 1
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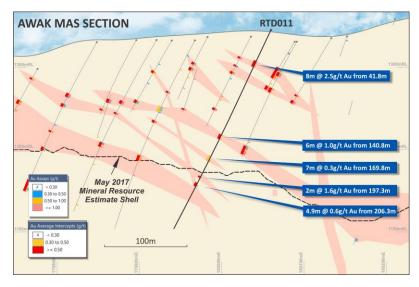
# **Drilling Results Confirm Model**

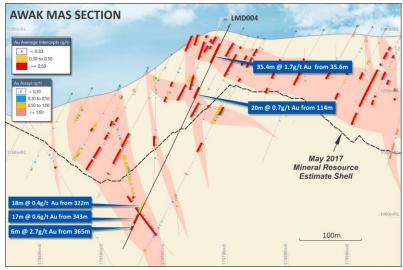


- Drilling results are confirming grades and resource model
- RTD011:

8 m @ 2.5 g/t Au from 41.8 m 6 m @ 1.0 g/t Au from 140.8 m 2 m @ 1.6 g/t Au from 197.3 m

- LMD004:
  35.4 m @ 1.7 g/t Au from 35.6 m
  6 m @ 2.7 g/t Au from 365 m
- Results show mineralisation extensions beyond previously defined domains
- Updated Mineral Resource to be released in January 2018





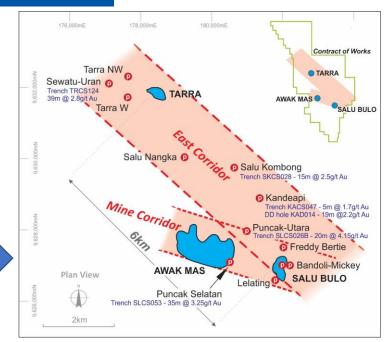
### Impressive Exploration Potential<sup>1</sup>

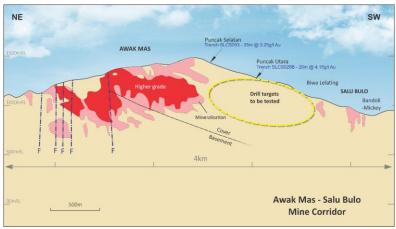


- 16 regional high-grade trench and drill intercepts require follow up
- Aspirational exploration goal:>3 Moz gold field
- Two corridor focus:
  - East Corridor Salu Bulo to Tarra

     'walk-up' targets at Kandeapi

     and Salu Kombong
  - Mine Corridor Awak Mas to Salu Bulo - closest to planned processing plant
- Greenfields exploration on large unexplored areas in the Northern and Southern parts of CoW





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# **Unlocking Value**



Nusantara's vision is to grow into a significant Asia-Pacific gold producer

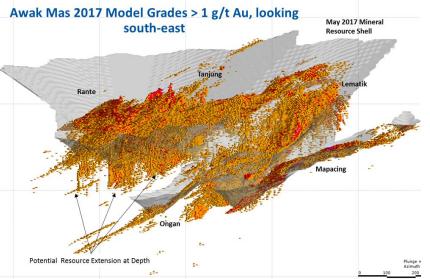
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- ✓ 1.74 Moz gold Mineral Resource
- ✓ Fast track, low cost and long life operation
- ✓ Experienced Board and Executive team
- ✓ Support from Zhaojin Mining
- ✓ Project approvals in place

- ✓ Low cost grid power and established infrastructure
- ✓ Whole of Ore Leach,
- ✓ Gold recovery: 90 -94%
- ✓ Resource expansion drilling and DFS underway
- ✓ Impressive exploration potential
- ✓ Significant value upside

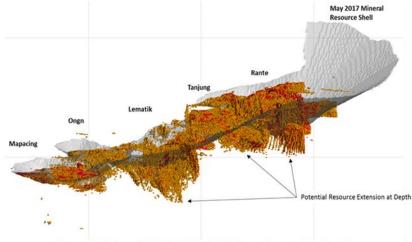
# Appendix









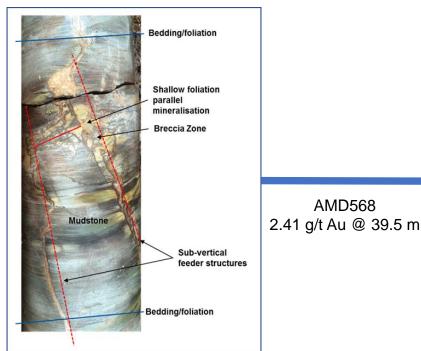


Awak Mas 2017 Model Grades > 1 g/t Au, looking north-east

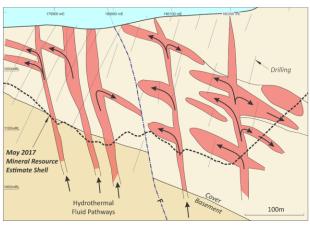
# **Emerging Major Goldfield**



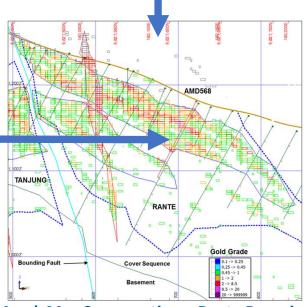
- Depth potential, multiple satellite targets, resource extensions
- Multiphase hydrothermal system
- Shallow dipping conformable mineralisation
- Distinct higher grade feeder structures



AMD568



#### **Awak Mas Simplified Conceptual Model**



Awak Mas Cross-section – Rante Domain

### Mineral Resource is 1.74 Moz



	Classification	Tonnes (Mt)	Au Grade (g/t)	Contained Gold (Moz)
Awak Mas	Measured	Ω.	泰	5 <del>7</del> 0
	Indicated	25.8	1.45	1.20
ω	Inferred	8.9	1.14	0.33
	Sub-total	34.7	1.37	1.53
Salu Bulo	Measured	2	20	<u>128</u>
	Indicated	0.7	2.65	0.06
5	Inferred	0.6	2.39	0.05
20	Sub-total	1.4	2.53	0.11
Tarra	Measured	×	**	(#)
	Indicated	ä	9	-
	Inferred	2.3	1.34	0.10
D2	Sub-total	2.3	1.34	0.10
Total	Indicated	26.5	1.48	1.26
	Inferred	11.9	1.25	0.48
	Total	38.4	1.41	1.74

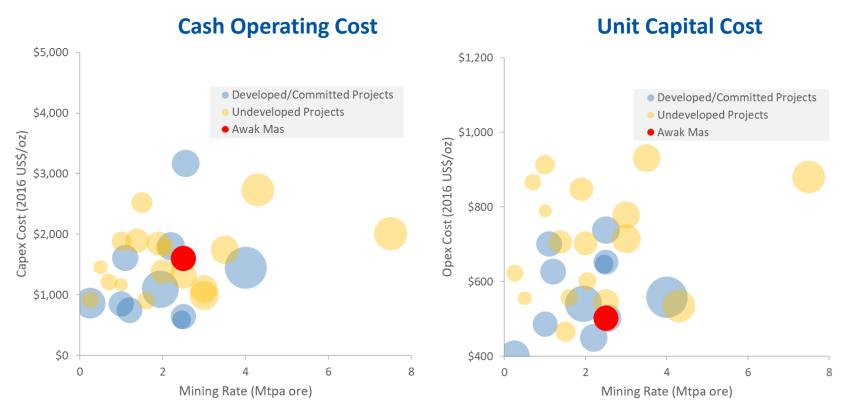
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### **Competitive Against Peers**



 Awak Mas is planned to be low cost: low strip ratio, coarse grind, grid power, conventional mining and processing



<sup>\*</sup> Analysis based on 29 > 1 Moz open pit gold projects with an economic study published in the last 5 years. MinEx Consulting © May 2017.

### Our Values Drive Our Success





#### Caring

We care about people first, ensure a safe work place for our people, are environmentally responsible and support the communities in which we operate.



#### Integrity

We set high standards of ethics (doing what is right), honouring our commitments, and seeking relationships that are mutually beneficial.



#### **Teamwork**

We know that we are stronger when we collaborate, we value the views of others, we all strive to reach our potential and embrace diversity.



#### Accountability

We take responsibility, doing what we say we will do, and are measured on the outcomes of our decisions and actions.



#### Excellence

We strive to achieve superior outcomes by focusing on action, continual improvement, and challenge the way we do things.

### **Government & Community Support**



- Provincial & Regency Governments engaged and supportive
- Awak Mas is a regionally significant development providing employment and business opportunities
- Stakeholder Engagement Team in place enhancing existing community support and programs
- Local community programs making a difference - many already employed on site
- Land compensation program scoped to facilitate project development





# **Project History**



1987	4 <sup>th</sup> Generation Contract of Work granted to PT Masmindo Eka Sakti
1991	Detailed mapping, soil sampling and trenching to define the extent of the Awak Mas system
1991-1993	Battle Mountain Gold Joint Venture exploration – 77 drill holes (8,300m) and initial resource studies
1994-1997	Lone Star/JCI exploration – 713 drill holes (86,500m)
1997	Feasibility study completed by Minproc on a 3.0Mtpa production scenario using a US\$380/oz gold price
1998	PFS completed by Minproc on a 1.5Mtpa production scenario using a US\$340/oz gold price
1998	Project combined and reissued as a 7 <sup>th</sup> Generation Contract of Work to PT Masmindo Dwi Area
1999	Pacific Placer Joint Venture exploration – 45 drill holes (4,518m) in prospect area Tarra and Salu Bulo
2005	Vista Gold acquires 100% of the Contract of Work
2006	Vista Gold exploration – 13 drill holes (2,576m)
2008	Preliminary economic assessment by Tetra Tech to prepare NI 43-101 Resource
2009	One Asia Joint Venture agreement with Vista Gold - option to earn 60% from Vista by spending \$3M over 2.5 years from January 2010 plus \$2M shares
2011	One Asia negotiated a new option to earn additional 20% in Awak Mas which is earned after drilling 5,000m at Salu Bulo and maiden Resource
2012	One Asia completes PFS
2013	One Asia acquisition of 100% of project subject to a royalty
2015	One Asia updates PFS utilising smaller scale and incorporating Salu Bulo and Tarra. Maiden Resource for Tarra
2016	Update of PFS reflecting improved industry costs

### Disclaimer



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### **Competent Persons Statement**



The information in this presentation that relates to the exploration results and Mineral Resources of Nusantara Resources is summarised from publicly available reports as released to the ASX of the respective companies. The results are duly referenced in the text of this report and the source documents noted above. All stated Mineral Resources have been prepared in accordance with the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code 2012).

#### **Exploration and Resource Targets**

Any discussion in relation to the potential quantity and grade of Exploration Targets is only conceptual in nature. While Nusantara Resources may report additional Mineral Resources for the Awak Mas Gold Project, there has been insufficient exploration to date to estimate any additional mineral resources to the current Mineral Resources inventory. It is uncertain if further exploration will result in the delineation of additional Mineral Resources.

#### **Exploration Results**

The information in this report which relates to Exploration Results is based on, and fairly represents, information compiled by Mr Colin McMillan, (BSc) for Nusantara Resources. Mr McMillan is an employee of Nusantara Resources and is a Member of the Australian Institute of Mining and Metallurgy (AusIMM No: 109791). Mr McMillan has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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". Mr McMillan consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

#### Metallurgy

The information in this report that relates to metallurgy and metallurgical test work and findings for Awak Mas Gold Project is based, and on fairly represents information compiled by Mr John Fleay, Manager Metallurgy, FAusIMM, for Minnovo Pty Ltd. Mr Fleay is an employee of Minnovo Pty Ltd and is a current Member of the Australian Institute of Mining and Metallurgy (AusIMM No: 320872).

Mr Fleay has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as Competent Persons as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Fleay consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

#### **Mineral Resources**

The information in this report that relates to the Mineral Resource Estimation for Awak Mas Gold Project is based, and on fairly represents information compiled by Mr Adrian Shepherd, Principal Geologist, (BSc), MAusIMM CP(Geo), for Cube Consulting Pty Ltd. Mr Shepherd is an employee of Cube Consulting Pty Ltd and is a Chartered Professional geologist and a current Member of the Australian Institute of Mining and Metallurgy (AusIMM No: 211818). Mr Shepherd has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as Competent Persons as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Shepherd consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

#### **New Information or Data**

Nusantara Resources confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources and Ore Reserves that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not materially changes from the original market announcement.