



# Investor Presentation

August 2020

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# I. Introduction

# Key Investment Highlights

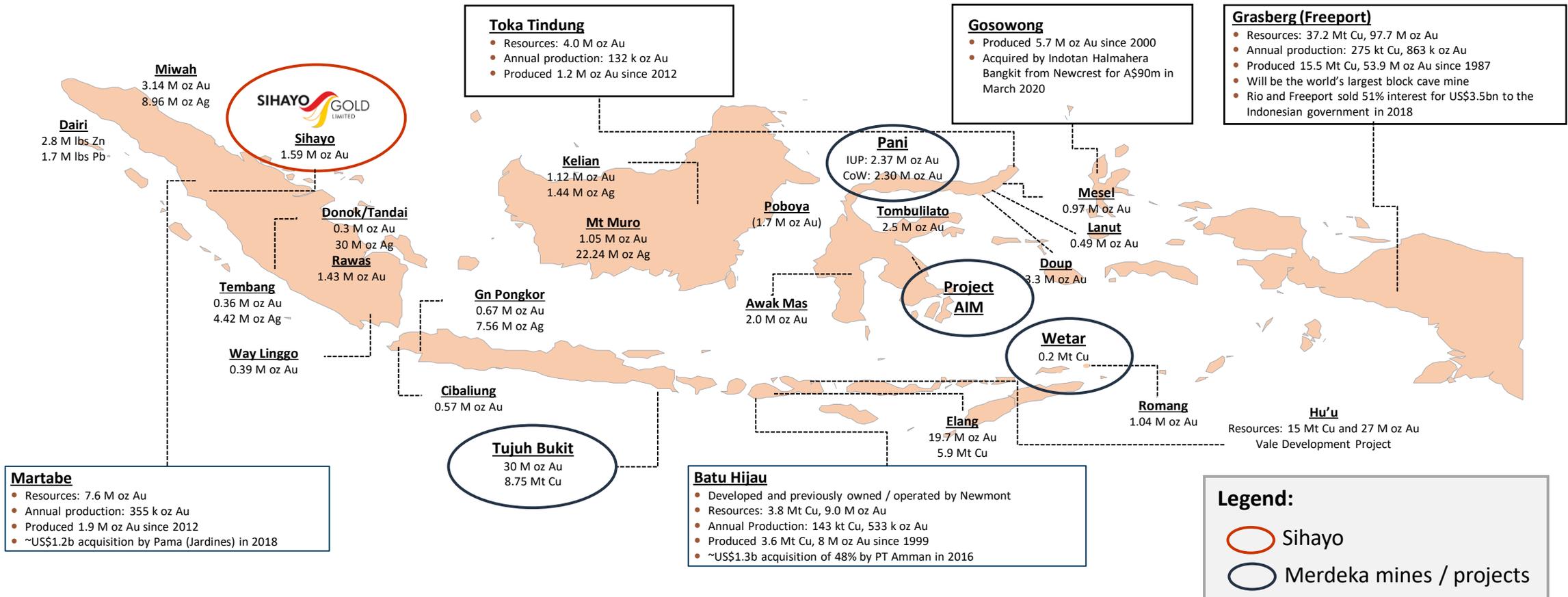
**ASX-listed exploration and development company focused on gold and copper in Indonesia**

<b>1. Proven Location</b>	<ul style="list-style-type: none"> <li>▶ Highly prospective, large scale (&gt;66,000 ha), long tenure in an established gold district, contiguous to the world-class Martabe mine</li> </ul>
<b>2. Sihayo Starter Project</b>	<ul style="list-style-type: none"> <li>▶ Robust DFS stage Starter Project<sup>1</sup>:             <ul style="list-style-type: none"> <li>○ LOM gross sales of US\$1,198m</li> <li>○ EBITDA of US\$746m</li> <li>○ Post-tax NPV<sub>5%</sub> of US\$268m</li> </ul> </li> <li>▶ Clear path to financing, construction and operations</li> <li>▶ Existing JORC Resources &amp; Reserves:             <ul style="list-style-type: none"> <li>○ Mineral Resources: 24Mt @ 2.0 g/t Au containing 1.5Moz Au</li> <li>○ Ore Reserves: 12Mt @ 2.1 g/t Au containing 840 koz Au</li> </ul> </li> </ul>
<b>3. Tangible Exploration Upside</b>	<ul style="list-style-type: none"> <li>▶ World-class exploration portfolio consists of multiple drill-ready targets<sup>2</sup> including:             <ul style="list-style-type: none"> <li>○ Hutabargot epithermal gold-silver prospect (potentially analogous to Martabe)</li> <li>○ Near-mine gold extensions</li> <li>○ Sihayo 2 copper porphyry target</li> </ul> </li> </ul>
<b>4. Capable Management Team</b>	<ul style="list-style-type: none"> <li>▶ Highly experienced Board and Management team</li> <li>▶ Led by newly appointed Executive Chairman Colin Moorhead</li> <li>▶ Merdeka Mining Servis (MMS)<sup>3</sup> is engaged to deliver the project</li> </ul>
<b>5. Strong Indonesian Shareholders</b>	<ul style="list-style-type: none"> <li>▶ Backed by strong and reliable Indonesian shareholders (also major shareholders of Merdeka Copper Gold)             <ul style="list-style-type: none"> <li>○ Merdeka market cap US\$2.7 bn, with proven track record in developing, operating and financing gold projects</li> </ul> </li> <li>▶ Excellent track record and proven ability to secure bank financing</li> </ul>
<b>6. Bullish Gold Outlook</b>	<ul style="list-style-type: none"> <li>▶ Highly leveraged to gold price and ongoing exploration success</li> </ul>

1. Assuming gold price of US\$1,890/oz flat  
 2. Pending forestry permit which is imminent  
 3. PT Merdeka Mining Servis, a wholly-owned subsidiary of PT Merdeka Copper Gold (IDX:MDKA)

# Indonesia: A Country with Substantial Gold Deposits

Indonesia continues to be a significant player in the global mining industry, with significant production of coal, copper, gold, tin, bauxite and nickel, including world class gold assets such as Grasberg, Tujuh Bukit, Batu Hijau and Martabe







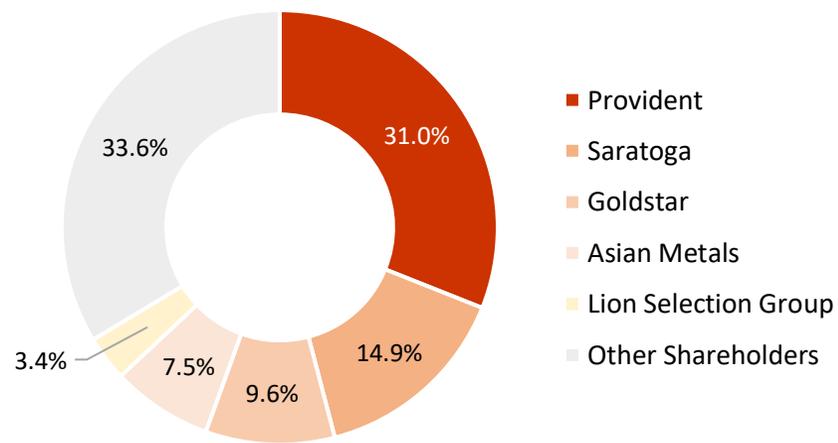
## II. Corporate Overview

# Corporate Snapshot

### Capital Structure

		AUD	USD
Current Share Price	<i>c</i>	2.8	2.0
Shares On Issue	<i>m</i>	2,289.9	2,289.9
<b>Market Capitalisation</b>	<b>\$m</b>	<b>64.1</b>	<b>44.9</b>
Cash <sup>1</sup>	<i>\$m</i>	2.1	1.5
Interest Bearing Loans <sup>1,2</sup>	<i>\$m</i>	10.5	7.3
<b>Enterprise Value</b>	<b>\$m</b>	<b>72.4</b>	<b>50.7</b>

### Ownership Overview



### Key Recent & Upcoming Events

- 1 Release of robust DFS for Sihayo Starter Project confirms strong economics**
- 2 Agreed exploration and development strategy with support of key shareholders**
- 3 Restructured Board & Management to deliver new strategy; appointed new Executive Chairman Colin Moorhead and new CFO**
- 4 PT Merdeka Copper Gold TBK (IDX: MDKA) has funded US\$1.5m for the restart of exploration strategy**
- 5 Lead Hutabargot epithermal gold-silver IPPKH (forestry permit) expected in early August 2020**
- 6 On ground exploration work set to restart in August 2020**

Source: Market data from Bloomberg as of 13 Jul 2020; Company reports

1. Cash and debt balance as at 31 July 2020, USD/AUD exchange rate = 0.70

2. To be converted to equity

# Directors & Management

Combined track record of >40Mt Cu and 100Moz Au discoveries throughout Australasia

### Board of Directors



#### Colin Moorhead, Executive Chairman

Mr Moorhead is an experienced industry executive with a track record of building value in mining companies through innovation, discovery, project development and safe, efficient operations at BHP, Newcrest Mining and as CEO of PT Merdeka Copper Gold Tbk. Mr Moorhead is Non Executive Chairman of Xanadu Mines Ltd and a Fellow and Past President of AUSIMM.



#### Gavin Caudle, Non Executive Director

Mr Caudle is a Director of Provident Minerals Limited and has over 30 years experience in the finance and investment sectors in Australia, Singapore and Indonesia. Since 2003, together with his partners, Mr Caudle has developed numerous successful businesses including Tower Bersama Group, Merdeka Copper Gold and various technology ventures including JD.id and Provident Growth Fund.



#### Misha Collins, Non Executive Director

Mr Collins financial experience with a technical background in metallurgy. Mr Collins was employed by BT Funds Management for 11 years as an equity analyst. Since 2008 he has been operating his own investment and trading business. Mr Collins holds a BE in Metallurgy (Hons) and Certificates in Banking & Finance and Applied Finance & Investment.



#### Danny Nolan, Executive Director & CFO

Mr Nolan brings 30 years of financial management experience to the Company and holds a Bachelor of Business (Accounting) from Monash University, Victoria. Mr Nolan has worked in Indonesia as Finance Director (Indonesia) for Telstra Corporation and in senior finance roles with the Saratoga Capital Group, one of Indonesia's foremost private investment groups.

### Sihayo



#### George Lloyd, CEO

Mr Lloyd has substantial corporate finance and investment experience in Asian natural resource projects. His most recent role was CFO of Finders Resources Limited. Mr Lloyd also successfully led the restructuring and turnaround of ASX-listed Xanadu Mines Ltd through the acquisition of the Kharmagtai copper-gold porphyry project in Mongolia.



#### Boyke Abidin, President Director

Mr Abidin began his career as management consultant in 1985, before entering the External Affairs (Government Affairs, Community Affairs, Asset Protection and Corporate Communication) in 1990. Mr Abidin serves as a Director of PT Bumi Suksesindo, President Director of PT Pani Emas Tani Sejahtera, and Director PT Batutua Tembaga Raya in addition to serving as a Director of Nusantara Resources Limited. Head of External Affairs in Merdeka.



#### Zainur Arifin, Chief Mine Superintendent

Mr. Arifin holds a Bachelor in Geology Science with 25 years experience in geology mapping, regional geochemistry, project geologist, underground mapping and surface mapping. Mr Arifin has been involved in many styles of mineral exploration in cross Indonesia and Uranium exploration in Malawi, Africa.

### MMS<sup>1</sup>



#### Peter Scanlon, MMS Construction Manager

Mr Scanlon has over 28 years construction and project management experience having worked in Australia, England, India and over 17-years in Indonesia. Mr Scanlon holds a Bachelor of Engineering (Civil), specialising in multi-disciplined projects from pre-engineering, through construction to Operational handover. He previously worked for Thiess for 21-years on a multitude of projects.

1. PT Merdeka Mining Servis, a wholly owned subsidiary of Merdeka Copper Gold. Sihayo will hire MMS to construct the Starter Project



## III. Sihayo Starter Project

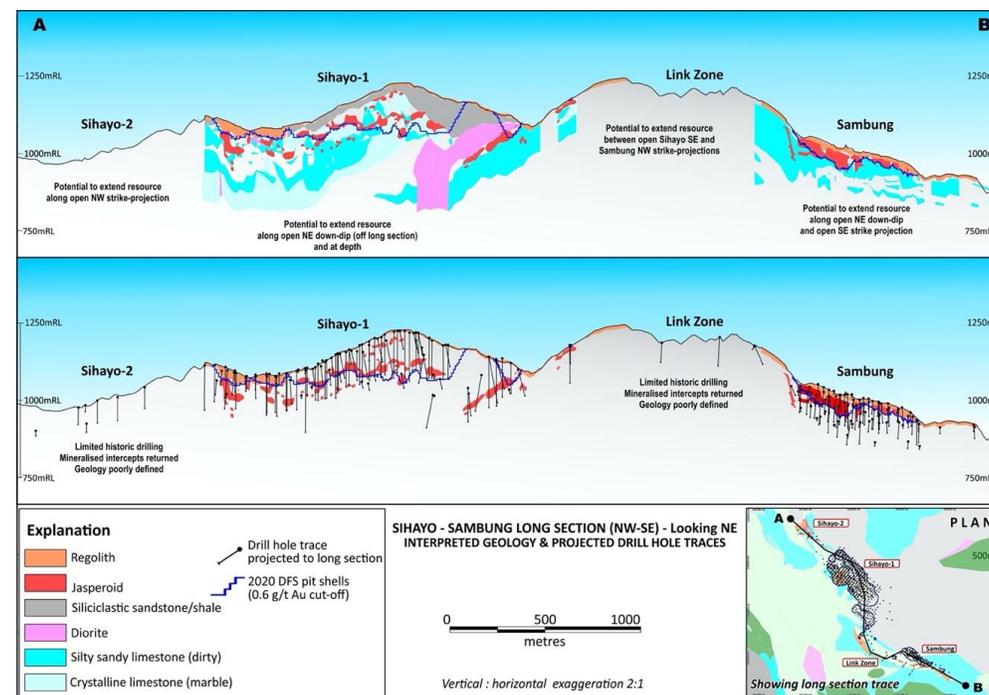
# III. Sihayo Starter Project Overview

**Attractive Starter Project generating a LOM ~US\$1.2bn gross sales over an initial 8 years mine life at a flat US\$1,890/oz Au price**

## Summary

<b>Key DFS Findings (LOM)</b>	<ul style="list-style-type: none"> <li>▶ Production: 635koz<sup>1</sup> recovered Au LOM</li> <li>▶ Cash operating cost: US\$632/oz</li> <li>▶ Peak funding cost: US\$153m</li> <li>▶ NPV<sub>5</sub>: US\$268m at US\$1,890/oz Au flat</li> </ul>
<b>Early Works / Permitting Underway</b>	<ul style="list-style-type: none"> <li>▶ Early works include establishment of site access, environmental baseline, legal permits and social licence to operate</li> <li>▶ Amendments to existing permits simplifies approval process</li> <li>▶ Early regional road upgrades to fast-track first production</li> </ul>
<b>Near-Mine Resource Upside</b>	<ul style="list-style-type: none"> <li>▶ Evidence of additional mineralization along strike</li> <li>▶ Strong potential for resource extensions</li> </ul>
<b>Mining</b>	<ul style="list-style-type: none"> <li>▶ 13.7Mt ore mined at a 4.4x stripping ratio</li> <li>▶ Early stages targeting lower strip, oxidised, free-dig regolith material</li> <li>▶ Bulk waste stripping campaign delayed until the 4th year of mining</li> </ul>
<b>Processing</b>	<ul style="list-style-type: none"> <li>▶ Conventional CIL process</li> <li>▶ Throughput: 2Mtpa soft ore / 1.5Mtpa hard ore</li> <li>▶ Average metallurgical recovery: 71%<sup>2</sup></li> </ul>
<b>Owner-Operator Strategy</b>	<ul style="list-style-type: none"> <li>▶ Mining fleet sized for selective mining strategy</li> <li>▶ Bulk waste stripping fleet for better utilisation</li> </ul>

## Sihayo Starter Project Cross Section



## JORC Reserves and Resources<sup>3</sup>

	Ore (Mt)	Grade (g/t Au)	Moz Au
Reserves	12.5	2.1	0.84
Resources	24.0	2.0	1.50

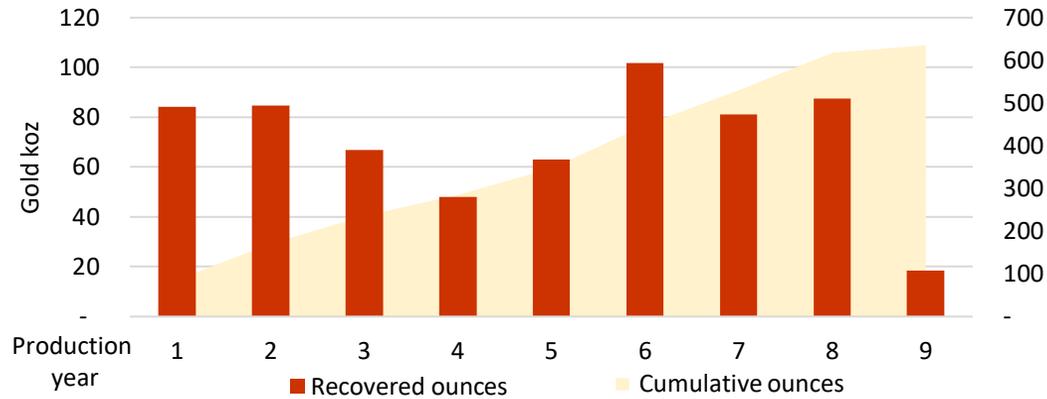
1. 169koz Au produced in the first two years during the low-strip stage of operations  
 2. Higher % recoveries in the early years, coinciding with lower strip, oxidised, free-dig regolith material  
 3. Reported in accordance with the 2012 edition of the JORC Code. Mineral Resources estimate reported at 0.6g/t Au cut-off grade. Ore Reserves are based on US\$1,450/oz gold price assumption. Refer to ASX announcement on 23 June 2020 "Results of Feasibility Study" for further information

### III. Sihayo Starter Project

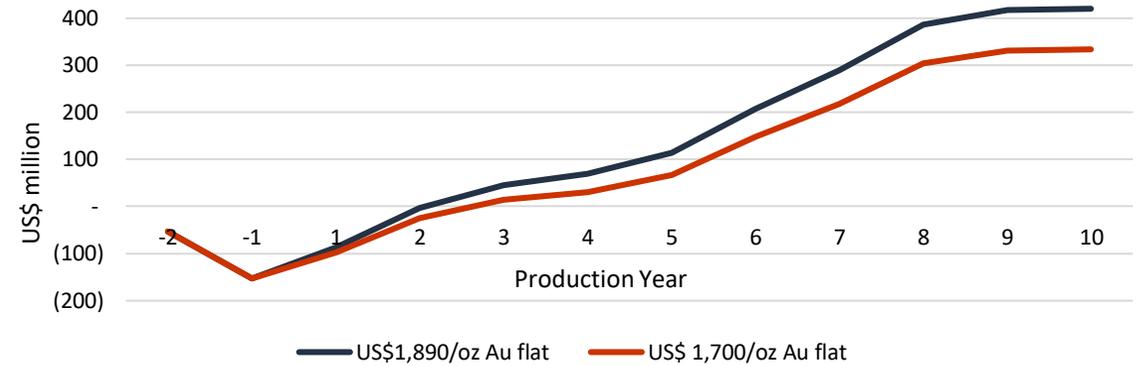
# DFS Summary

Highly leveraged to strong gold price outlook and ongoing exploration success

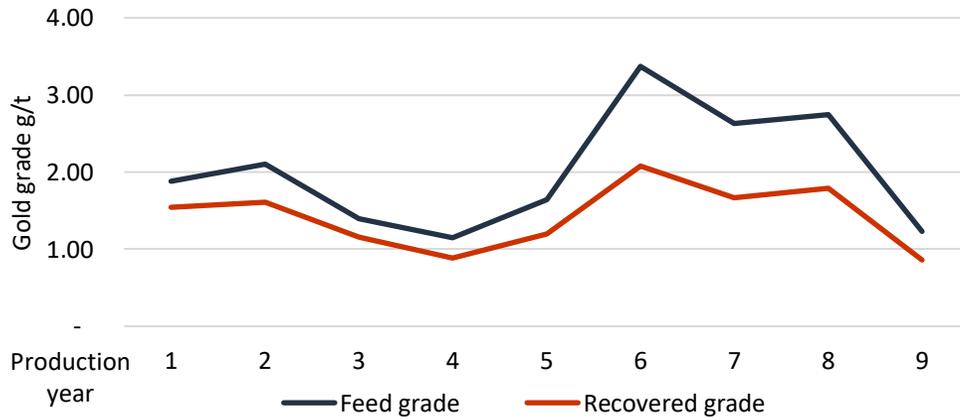
Annual & Cumulative Production



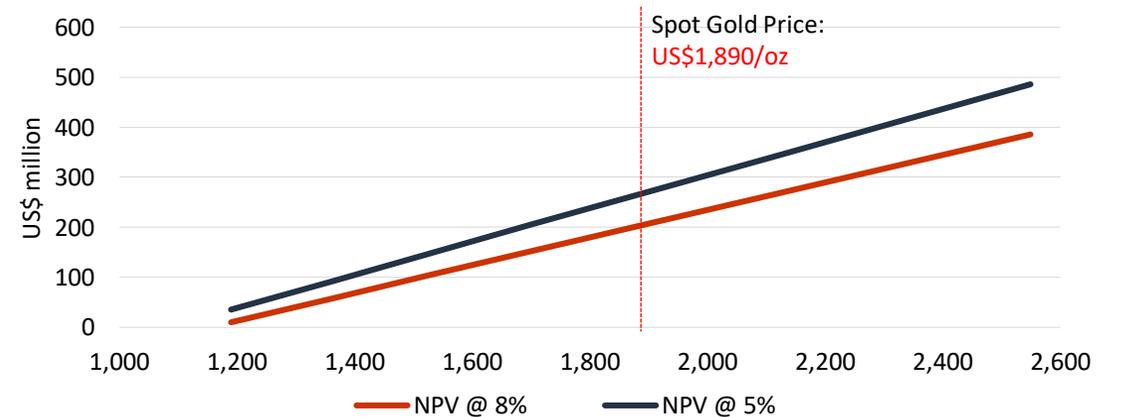
Cumulative Project Cashflow



Head Grade & Recovered Grade



Gold Price Sensitivity



Source: Sihayo DFS (see ASX announcement dated 23 June 2020)

# Project Optimisation Opportunities

**Near mine infill and extensional exploration targets to materially enhance Starter Project production profile and mine life**

## Key Optimisation Opportunities

<b>Mining</b>	<ul style="list-style-type: none"><li>▶ Dedicated bulk waste stripping fleet and a smaller selective mining fleet</li><li>▶ Articulated trucks in the mining fleet with rigid frame trucks for lower capital and operating costs</li><li>▶ Increase waste dumps slope angles to increase dump capacity, reducing waste haulage distances</li></ul>
<b>Processing</b>	<ul style="list-style-type: none"><li>▶ Enhance commercial leach conditions to reduce reagent consumption and increase gold recoveries</li><li>▶ Collect gold in a small sulphide concentrate through direct cyanidation, flotation and heavy liquid separation</li><li>▶ Value-engineering opportunities to reduce processing plant capex through utilization of 2nd hand plant</li></ul>
<b>Infrastructure</b>	<ul style="list-style-type: none"><li>▶ Detailed engineering of the TSF to reduce construction contingencies</li></ul>
<b>Near Mine Exploration</b>	<ul style="list-style-type: none"><li>▶ Extend mineable resources through step out drilling, particularly in the zone linking the Sihayo and Sambung deposits</li><li>▶ Under-explored despite potential shallow resource extensions</li><li>▶ All identified targets are located within trucking distance of the planned plant site</li><li>▶ Large alteration-mineralisation system centred on diorite intrusion</li><li>▶ Structural controls yet to be fully understood</li><li>▶ Open at depth and down-dip with potential for high-grade zones</li><li>▶ Jasperoid Au float &amp; outcrop identified along +10km strike</li></ul>



## IV. Near Term Exploration Strategy

# Exploration Strategy Overview

The Sihayo COW is a large (> 66,000 ha), long-life tenement located in an emerging world-class gold and copper belt

<p><b>1. Highly Prospective Location</b></p>	<ul style="list-style-type: none"> <li>▶ Established Au - Ag district hosting world-class Martabe project (+10Moz Au; +75Moz Ag)</li> <li>▶ Trans Sumatran Fault Zone (TSFZ) – fault-strands overlap with COW</li> <li>▶ Prospective for sediment-hosted gold, epithermal gold and Cu - Au porphyry</li> </ul>
<p><b>2. Numerous Prospects In Large, Long-life COW</b></p>	<ul style="list-style-type: none"> <li>▶ Large tenement with secure tenure over long-life (up to 2049 plus additional two 10-year extensions)</li> <li>▶ Potential to host major Au and/or Cu projects across a broad spectrum of porphyry related mineralization</li> <li>▶ Tenement-scale regional geological, geochemical, geophysical and drilling datasets</li> </ul>
<p><b>3. Drill-ready Targets<sup>1</sup></b></p>	<ul style="list-style-type: none"> <li>▶ Sihayo near-mine extensions: Shallow targets adjacent to Starter Project can extend mine life</li> <li>▶ Hutabargot: Large scale, bulk-tonnage disseminated epithermal Au - Ag prospect</li> <li>▶ Sihayo 2 copper target: Outcropping Cu - Au stockworks and skarn</li> </ul>
<p><b>4. Add Value Strategy During Starter Project Permitting</b></p>	<ul style="list-style-type: none"> <li>▶ Near-mine exploration success likely to add significant value to the Starter Project</li> <li>▶ Exploration cost synergies with Starter Project early works</li> <li>▶ Test high priority drill-ready targets and generate new targets from re-interpreted historic data</li> </ul>

1. Pending forestry permit which is imminent

# Emerging World-Class Minerals District In Indonesia

**Sihayo COW hosts prolific gold prospects and neighbours the world-class Martabe mine**

## Key Comments

- ▶ Highly prospective location
- ▶ North-west trending TSFZ
- ▶ Wide range of magmatic ore related mineral deposits
- ▶ Potential to host multiple world-class gold and base metal deposits
- ▶ Sihayo COW is contiguous to world-class Martabe mine

Major Mineral Deposits in Sumatra



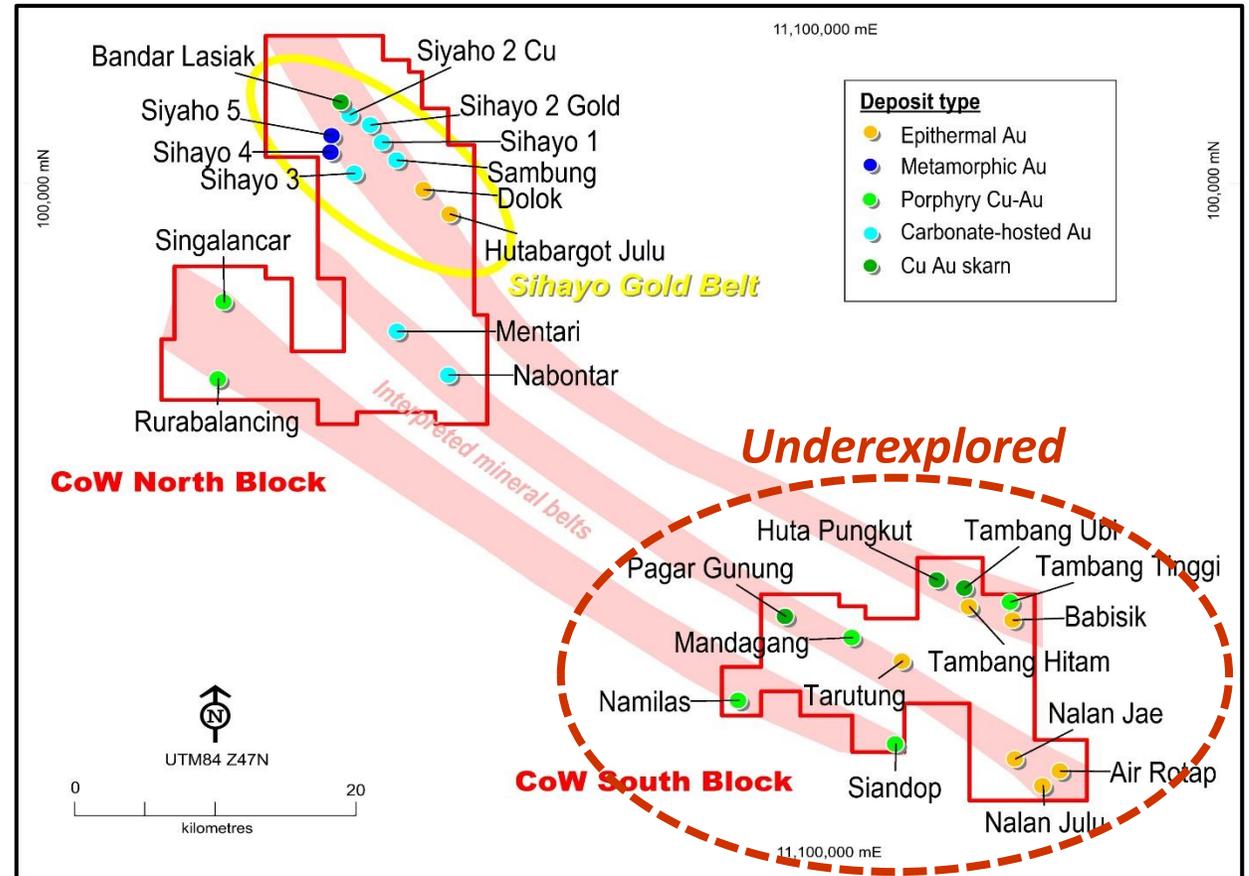
# Significant Prospectivity And Scale

## Significant porphyry and epithermal prospects that have been under-explored

### Key Comments

- ▶ Significant scale (> 66,000 ha) of under-explored tenure
- ▶ COW straddles numerous TSFZ fault-strands
- ▶ Early stage exploration reconnaissance identified evidence of prolific COW-wide mineralisation aligned in three near parallel mineral belts
- ▶ Multiple overlapping mineral and alteration styles present in the COW
- ▶ Gold soil anomalies are strongly aligned with regional geophysical-structural trends - targeting Tujuh Bukit analogues
- ▶ 15 km Sihayo gold belt to be permitted imminently for drilling, with multiple known prospects, including Hutabargot

### Overview of Sihayo COW



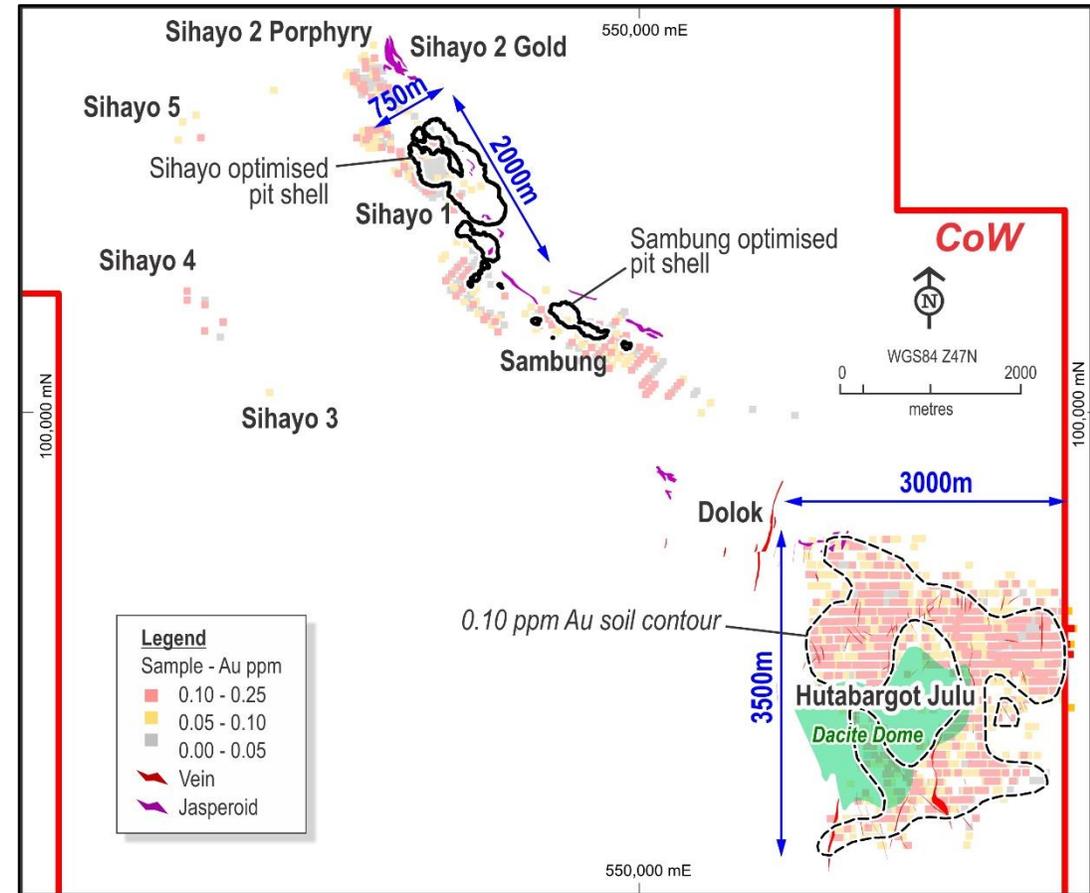
# Hutabargot Is A Close Analogue To The Neighboring World-class Martabe Mine

**Hutabargot is a large scale, stand alone epithermal Au – Ag target**

## Key Comments

- ▶ South-east extent of Sihayo Gold Belt
- ▶ History of early small-scale Dutch mining and prospecting (1930s)
- ▶ High grade Au-Ag intercepts from historic scout drilling
- ▶ Extensive and largely untested +2.5 x 3.0km Au-multi element soil and geophysical anomaly
- ▶ Conceptual bulk-disseminated Au - Ag target with potential for bonanza Au - Ag veins
- ▶ Drilling to commence subject to receipt of forestry permit – expected imminently

## Hutabargot Au - Ag Target



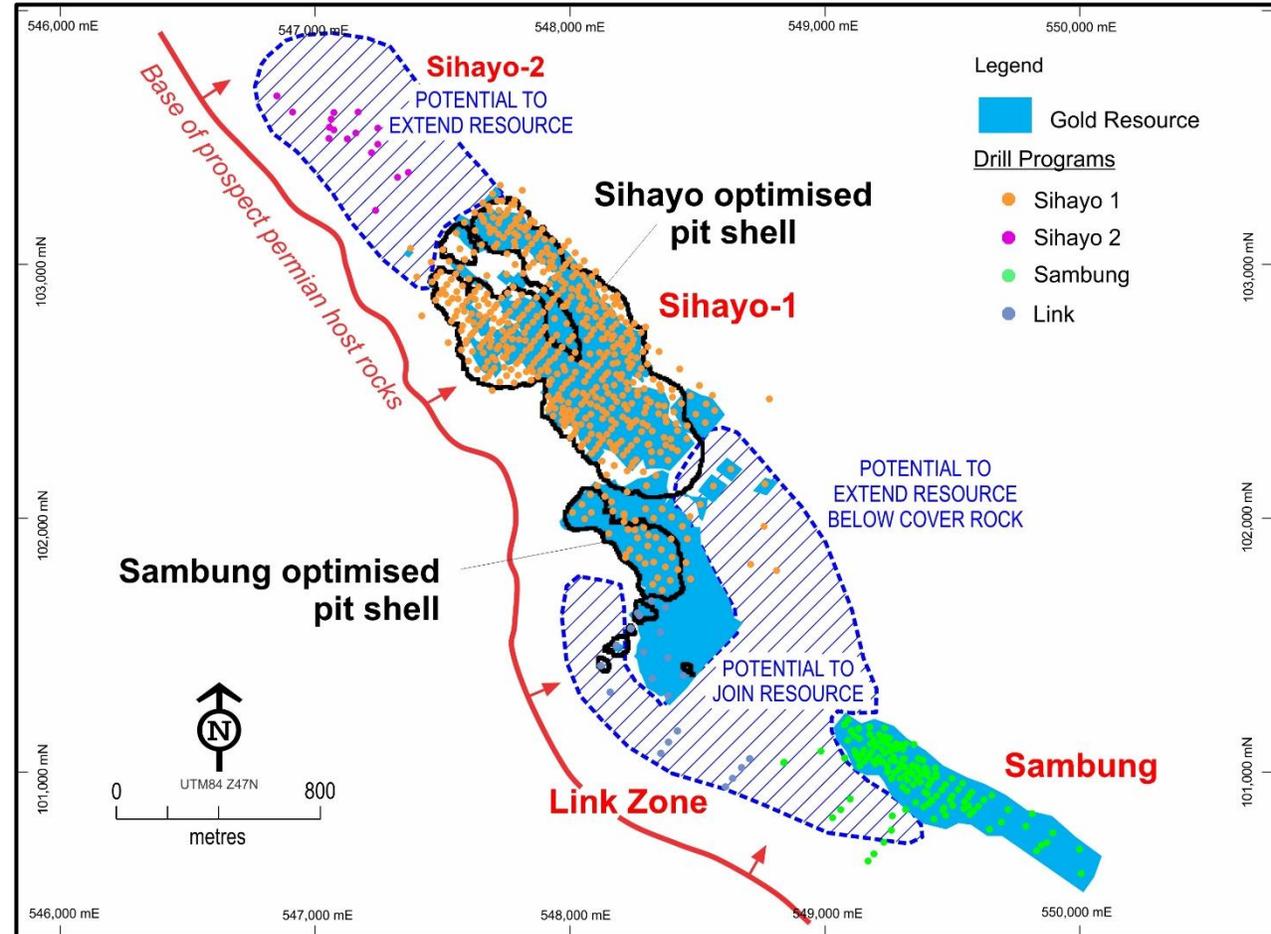
# Near Mine Targets With Potential To Materially Extend Starter Project Mine Life

Historic exploration results indicate potential for additional gold resources

## Key Comments

- ▶ Drill-ready, near-mine shallow, oxide-gold targets will increase the value of the Starter Project
- ▶ Under-explored despite abundant jasperoid float and outcrop identified along a +10km strike length
- ▶ Extensive elevated IP chargeability and resistivity anomalies
- ▶ Gold soil anomalies are strongly aligned with regional geophysical-structural trends
- ▶ Potential for over-printing of epithermal Au - Ag veins

## Near Mine Targets



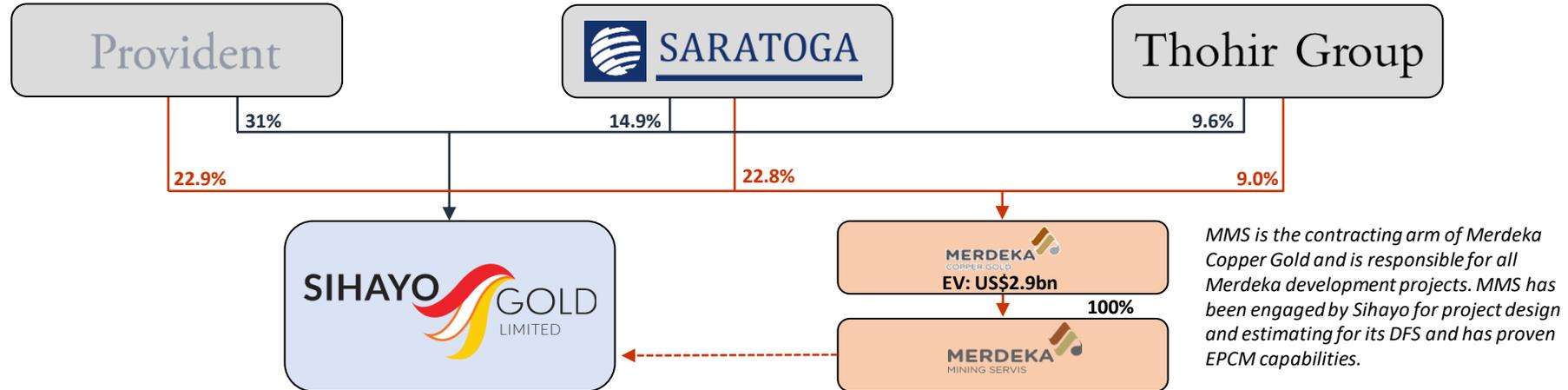


## V. Key Strategic Partners

## V. Key Strategic Partners

# Strong Support from Shareholders & Partners

Deep governmental, regulatory and local relationships from decades of Indonesian experience for their various operating companies including Adaro, Tower Bersama and Merdeka



<p><b>Track Record in Growing and Financing Indonesian Corporates</b></p>	<p>The shareholders collectively have rich experience in leading and growing businesses in Indonesia, ranging from dynamic tech platforms (Gojek) to well established corporates (i.e. Tower Bersama and Adaro). As a result, the shareholders have established strong relationships with key external stakeholders and have gathered valuable experience to lead companies to growth within the country</p>
<p><b>Strong Governmental, Regulatory and Local Ties</b></p>	<p>The shareholders have decades of experience in obtaining permits across Indonesia for their various operating companies including Adaro (portfolio of coal mines), Tower Bersama (tower development in all 34 provinces) and Provident Agro (which had over 40,000 Ha of palm oil plantations), demonstrating their ability to resolve community issues and work with national and local governments to develop projects across multiple industries</p>
<p><b>Excellent Corporate Governance and Investor Relations</b></p>	<p>Reputation for maintaining excellent corporate governance and reporting standards has attracted quality investors globally in both debt and equity capital markets, achieving overall lower cost of funds and strong support</p>

# Shareholders' Track Record & Financing Capabilities

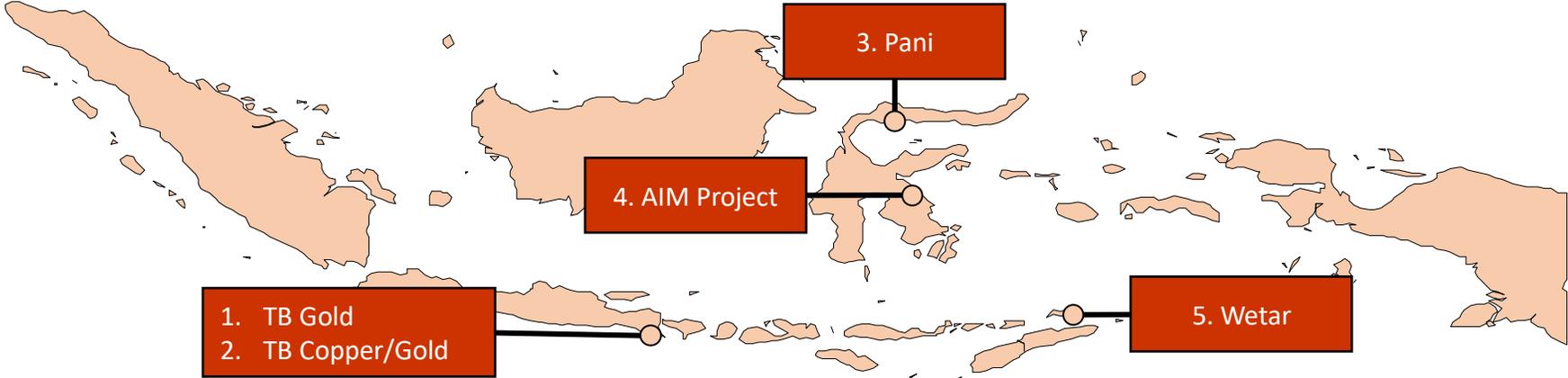
Provident, Saratoga and Thohir Group have a history of co-investment over many years with a distinguished track record in building value as well as attracting blue chip international institutional investors and high-quality banks. They also have deep and wide access to global, regional and local banks



1. EV values as of 3 August 2020

## V. Key Strategic Partners

# Merdeka Copper Gold

<b>World Class Mining Company</b>	<ul style="list-style-type: none"><li>▶ Merdeka is a world class mining company in Indonesia, with two large mining operations at Tujuh Bukit and Wetar</li><li>▶ Indonesian Stock Exchange listed since 2015 with a market cap of US\$2.7bn<sup>1</sup></li><li>▶ Merdeka generated revenue of US\$403m and EBITDA of US\$228m in 2019</li></ul>
<b>Five Key Assets</b>	<p><b>Merdeka today consists of five main assets:</b></p> <ol style="list-style-type: none"><li>1. Tujuh Bukit Gold Production (“TB Gold Project”)</li><li>2. Tujuh Bukit Copper/Gold Project (“TB Copper Project”)</li><li>3. Pani Joint Venture (“Pani JV Project”) – new expansion project</li><li>4. Wetar / Morowali Acid Iron Metal (“AIM Project”) – new expansion project</li><li>5. Wetar Copper Production</li></ol> 
<b>Outstanding Safety Track Record</b>	<ul style="list-style-type: none"><li>▶ Merdeka places a strong emphasis on operational safety and is committed to ensure the wellbeing of its employees and stakeholders by providing a safe and healthy working environment</li><li>▶ This commitment is demonstrated by Merdeka’s strong health and safety record with 18.8 million hours Long Term Injury (LTI) free</li></ul>

<sup>1</sup> As of 3 August 2020

## V. Key Strategic Partners

# Merdeka Mining Servis (MMS)

### Key Comments

<b>About MMS</b>	<ul style="list-style-type: none"> <li>▶ Construction and contracting arm of Merdeka, responsible for all Merdeka development projects and servicing the wider shareholder group</li> </ul>
<b>Leadership and Employees</b>	<ul style="list-style-type: none"> <li>▶ Led by Peter Scanlon, who set up MMS in 2015 after leaving his position as the Head of Construction at Thiess Indonesia <ul style="list-style-type: none"> <li>○ Thiess is the world's largest contract miner and is ultimately owned by the Spanish ACS Group<sup>1</sup></li> </ul> </li> <li>▶ Employee base of over 80 staff, with a further 350 non-staff, a significant portion of whom have worked together previously at Thiess</li> </ul>
<b>Demonstrated Track Record of Project Delivery</b>	<ul style="list-style-type: none"> <li>▶ Since its establishment over five years ago, MMS has delivered an extensive range of projects including haul roads, access roads, public roads, ponds, dams and major infrastructure and mechanical works on a range of complex mining sites</li> <li>▶ MMS has delivered multi-disciplined works across: <ul style="list-style-type: none"> <li>○ EPC</li> <li>○ Design &amp; Construction</li> <li>○ Construction</li> <li>○ Fabrication</li> <li>○ Accurate project estimation</li> <li>○ Project studies</li> </ul> </li> <li>▶ MMS maintains an HSE focus with proven systems and procedures and exceptionally skilled and experienced national staff</li> </ul>

### Select MMS Experience

#	Project	Location	Client
1	Tujuh Bukit Gold Project	Indonesia	 MERDEKA COPPER GOLD
2	Wetar Copper Project	Indonesia	 MERDEKA COPPER GOLD
3	Batu Hijau Copper and Gold	Indonesia	 NEWMONT
4	Suban Gas 2	Indonesia	 ConocoPhillips
5	Bontang Coal Project	Indonesia	IMM PT Indominco Mandari
6	Seruyung Gold Project	Indonesia	J Resources
7	Haju Coal Project	Indonesia	 BHP
8	Satui Muara Port Upgrade	Indonesia	 BHP
9	Saipem Topside Module	Indonesia	 Eni Saipem
10	Vale Nickel Project	Indonesia	 VALE

1. ACS Group reported 2019 revenue of Euro 39b



## VI. Summary

# Indicative Timeline

**Aggressive exploration program proposed alongside planned early works and permitting to position Sihayo Starter Project for fast-tracked future production**

Year	2020		2021			
	Q3	Q4	Q1	Q2	Q3	Q4
<b>Exploration</b>						
Hutabargot	█	█				
Near Mine Targets	█	█				
Regional Data Analysis	█	█				
<b>Permitting</b>						
Indonesian Feasibility Study	█	█				
Environmental Permit		█	█			
Production Permit			█	█		
<b>Early Works</b>						
Optimisation Work	█	█				
Detailed Design	█	█				
Access to Project		█	█	█		

# Compelling Investment Opportunity

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**ASX-listed exploration and development company focused on gold and copper in Indonesia**

**1. Proven Location**

**2. Sihayo Starter Project**

**3. Tangible Exploration Upside**

**4. Capable Management Team**

**5. Strong Indonesian Shareholders**

**6. Bullish Gold Outlook**

# Q&A

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[www.sihayogold.com](http://www.sihayogold.com)

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# Disclaimer

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## Forward Looking Statements

This announcement may or may not contain certain “forward-looking statements”. All statements, other than statements of historical fact, which address activities, events or developments that Sihayo believes, expects or anticipates will or may occur in the future, are forward-looking statements. Forward-looking statements are often, but not always, identified by the use of words such as “seek”, “anticipate”, “believe”, “plan”, “estimate”, “targeting”, “expect”, and “intend” and statements that an event or result “may”, “will”, “can”, “should”, “could”, or “might” occur or be achieved and other similar expressions. These forward-looking statements, including those with respect to permitting and development timetables, mineral grades, metallurgical recoveries, potential production reflect the current internal projections, expectations or beliefs of Sihayo based on information currently available to Sihayo. Statements in this document that are forward-looking and involve numerous risks and uncertainties that could cause actual results to differ materially from expected results are based on the Company’s current beliefs and assumptions regarding a large number of factors affecting its business. Actual results may differ materially from expected results. There can be no assurance that (i) the Company has correctly measured or identified all of the factors affecting its business or the extent of their likely impact, (ii) the publicly available information with respect to these factors on which the Company’s analysis is based is complete or accurate, (iii) the Company’s analysis is correct or (iv) the Company’s strategy, which is based in part on this analysis, will be successful. Sihayo expressly disclaims any obligation to update or revise any such forward-looking statements.

## No Representation, Warranty or Liability

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# Competent Person's Statement

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## Exploration Results

The information in this report which relates to Exploration Results is based on, and fairly represents, information and supporting documentation compiled by Mr Bradley Wake (BSc Hons. (Applied Geology)), who is a contract employee of the Company. Mr Wake does not hold any shares in the company, either directly or indirectly.

Mr Wake is a member of the Australian Institute of Geoscientists (AIG ID: 3339) and 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 Wake 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 which relates to Mineral Resources is based on, and fairly represents, information and supporting documentation compiled by Mr Robert Spiers (BSc Hons.) for Spiers Geological Consultants (SGC, Pty. Ltd.). Mr Spiers is the principal Consultant and Director of SGC and does not hold any shares in the company, either directly or indirectly.

Mr Spiers is a member of the Australian Institute of Geoscientists (AIG ID: 3027) and 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 Spiers consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

## Ore Reserves

The information in this report which relates to Ore Reserves is based on, and fairly represents, information and supporting documentation compiled by Mr Philippe Lebleu (P.Eng) for AMC Mining Consultants (Canada) Ltd. Mr Lebleu is a principal Mining Engineer and does not hold any shares in the company, either directly or indirectly.

Mr Lebleu is a member of the Australasian Institute of Mining and Metallurgy (AUSIMM ID: 229555) and 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 Lebleu consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

# Sihayo Starter Project – Key DFS Outputs

## Key Physical Outputs

Physicals	Units	Total / Av. LOM
Ore milled	Mt	13.7
Ore head grade	g/t	2.04
Recovered grade	g/t	1.44
Recovery	%	71
LOM Au production	koz	635
Waste mined	Mt	59.8
Stripping ratio	x	4.4
Life of mine	Years	8

## Cost Outputs

Costs	Units	Total / Av. LOM
Mining cost	US\$/t mined	2.12
Mining cost	US\$/t ore	10.40
Cash operating cost	US\$/t ore	29.44
Cash operating cost	US\$/oz	632
<b>AISC<sup>1</sup></b>	<b>US\$/oz</b>	<b>716</b>

## Capex Outputs

	Pre-production	LOM
<b>Direct capital</b>	<b>102</b>	<b>143</b>
Process plant	32.6	32.6
Tailings storage	19.0	54.8
Power supply	6.6	6.6
Access roads	7.4	7.4
Mobile equipment <sup>2</sup>	1.4	5.7
Mine development	4.7	4.7
Pre-strip	1.5	1.5
Other works	16.6	17.5
EPCM	12.3	12.3
Process plant	32.6	32.6
<b>Indirect capital</b>	<b>31</b>	<b>31</b>
<b>Contingency</b>	<b>11</b>	<b>17</b>
<b>Total initial capital</b>	<b>144</b>	<b>191</b>
Sustaining capital	-	19
<b>Total project capex</b>	<b>144</b>	<b>210</b>

## Valuation Outputs<sup>1</sup>

Metric	Units	Total/Av.
Life of mine	Years	8
Reserves	Mt	12.5Mt @ 2.1g/t Au
Resources	Mt	24Mt @ 2.0g/t Au
Stripping ratio	x	4.4
Throughput	Mtpa	Soft core: 2; Hard core: 1.5
Avg. metallurgical recovery	%	71
LOM production	koz Au	635
Gross sales	US\$m	1,198
EBITDA	US\$m	746
Pre-production cost	US\$m	144
Peak funding	US\$m	153
Cash operating cost	US\$/oz	632
After-tax NPV (5%)	US\$m	268
After-tax NPV (8%)	US\$m	204
After-tax IRR	%	34
Payback period	months	25

1. Assumes gold price of US\$1,890/oz flat  
2. Assumes 25% deposit required for leased equipment

### Notes:

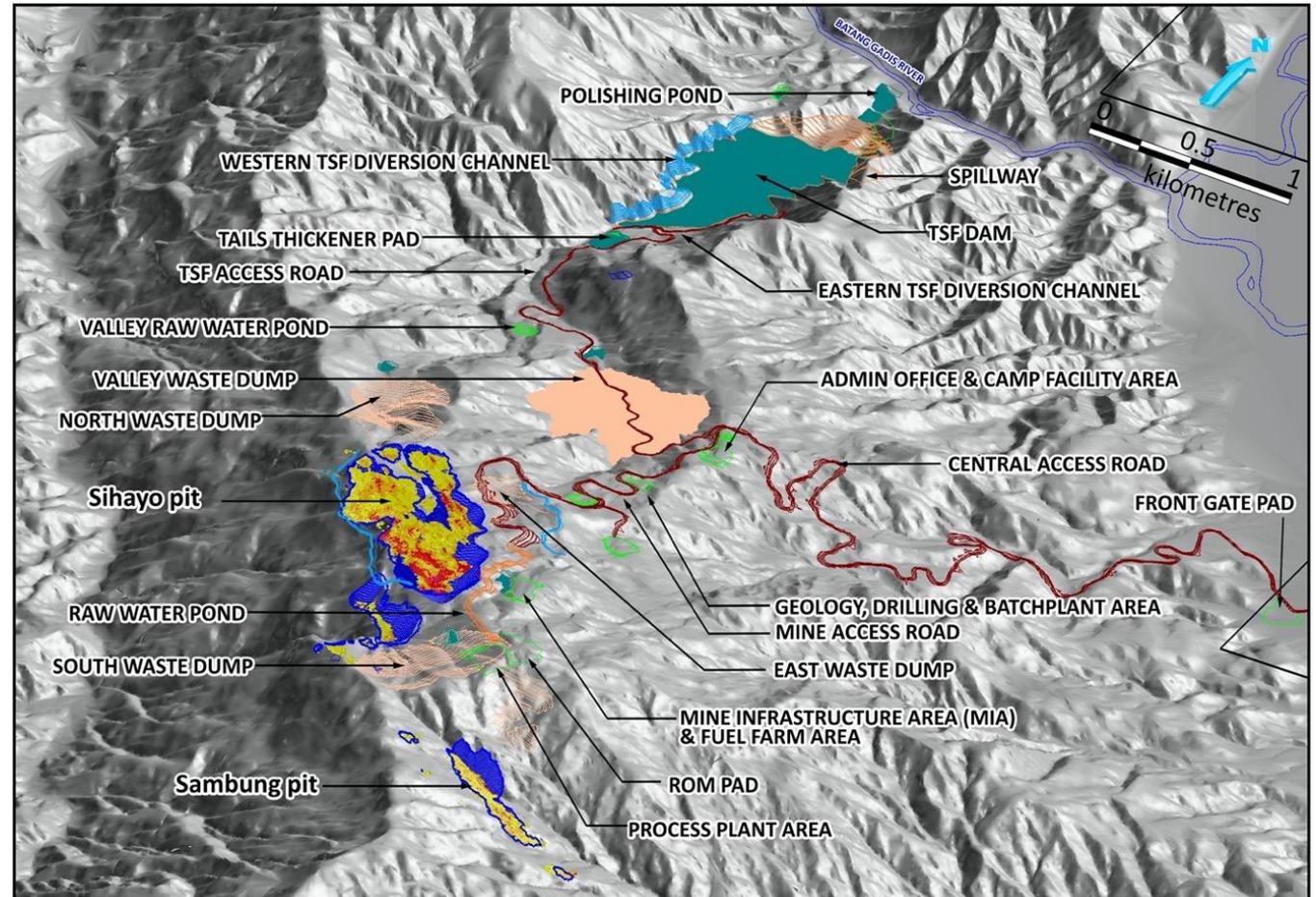
- Mine, plant and infrastructure designed and estimated to within a ~10% contingency
- Infrastructure and tailings storage costs driven by site topography
- Indirect costs include freights, mobilisation, insurance, permits and overheads

# Sihayo Starter Project – Planned Infrastructure & Site Layout

## Key Comments

- ▶ 6.3km access road and Batan Gadis Bridge
- ▶ 10.0km mine road (RL 200 - 1,200m)
- ▶ 20MVA from PLN overhead lines
- ▶ Conventional CIL process
- ▶ 300+ onsite camp
- ▶ 16Mt Tailings Storage Facility (TSF)

## Infrastructure and Site Layout



# JORC Resources & Reserves Estimate

## JORC Mineral Resources

	Measured			Indicated			Inferred			Total		
	Mt	g/t	Moz	Mt	g/t	Moz	Mt	g/t	Moz	Mt	g/t	Moz
<b>Sihayo</b>												
Oxide	1.6	1.8	0.09	1.8	1.5	0.09	0.5	1.5	0.02	4.0	1.6	0.21
Transitional	2.4	2.4	0.19	5.0	1.8	0.29	1.8	1.6	0.09	9.2	1.9	0.57
Fresh	0.9	2.8	0.08	4.3	2.3	0.32	3.2	2.0	0.20	8.4	2.2	0.60
<b>Sub-total</b>	<b>4.9</b>	<b>2.3</b>	<b>0.36</b>	<b>11.2</b>	<b>2.0</b>	<b>0.70</b>	<b>5.5</b>	<b>1.8</b>	<b>0.31</b>	<b>21.5</b>	<b>2.0</b>	<b>1.4</b>
<b>Sambung</b>												
Oxide	0.5	1.6	0.02	0.3	1.5	0.02	0.1	1.4	0.00	0.9	1.5	0.04
Transitional	1.0	1.6	0.05	0.5	1.8	0.03	0.1	1.8	0.00	1.6	1.7	0.08
Fresh	0.0	1.3	0.00	0.0	1.8	0.00	0.0	2.2	0.00	0.1	1.5	0.00
<b>Sub-total</b>	<b>1.5</b>	<b>1.6</b>	<b>0.08</b>	<b>0.8</b>	<b>1.7</b>	<b>0.04</b>	<b>0.2</b>	<b>1.6</b>	<b>0.01</b>	<b>2.5</b>	<b>1.6</b>	<b>0.13</b>
<b>Total</b>	<b>6.4</b>	<b>2.1</b>	<b>0.44</b>	<b>12.0</b>	<b>2.0</b>	<b>0.75</b>	<b>5.6</b>	<b>1.8</b>	<b>0.32</b>	<b>24.0</b>	<b>2.0</b>	<b>1.50</b>

### Notes:

- Figures may not sum due to rounding
- Reported at a cut-off grade of 0.6 g/t for gold
- Oxide $\leq$ 1.50gm/cc, transition $\geq$ 1.51 $\leq$ 2.50gm/cc and Fresh $\geq$ 2.51gm/cc
- Numbers for the Sambung deposit are local mine depleted
- Refer to 23 June 2020 ASX release titled Sihayo Starter Project Definitive Feasibility Study for updated resource statement including JORC Table 1

## JORC Ore Reserves

	Proven			Probable			Total		
	Mt	g/t	Moz	Mt	g/t	Moz	Mt	g/t	Moz
<b>Sihayo</b>									
Oxide	1.6	1.6	0.09	1.8	1.3	0.08	3.5	1.5	0.16
Transitional	2.1	2.4	0.17	2.7	2.1	0.18	4.8	2.2	0.35
Fresh	0.9	2.6	0.07	1.9	2.8	0.17	2.7	2.7	0.24
<b>Sub-total</b>	<b>4.6</b>	<b>2.2</b>	<b>0.33</b>	<b>6.4</b>	<b>2.1</b>	<b>0.43</b>	<b>11.0</b>	<b>2.1</b>	<b>0.75</b>
<b>Sambung</b>									
Oxide	0.4	1.6	0.02	0.2	1.5	0.01	0.5	1.5	0.03
Transitional	0.7	1.8	0.04	0.3	2.0	0.02	1.0	1.8	0.06
Fresh	0.0	1.5	0.00	0.0	2.0	0.00	0.0	1.5	0.00
<b>Sub-total</b>	<b>1.1</b>	<b>1.7</b>	<b>0.06</b>	<b>0.4</b>	<b>1.8</b>	<b>0.03</b>	<b>1.5</b>	<b>1.7</b>	<b>0.08</b>
<b>Total</b>	<b>5.7</b>	<b>2.1</b>	<b>0.39</b>	<b>6.8</b>	<b>2.1</b>	<b>0.45</b>	<b>12.5</b>	<b>2.1</b>	<b>0.84</b>

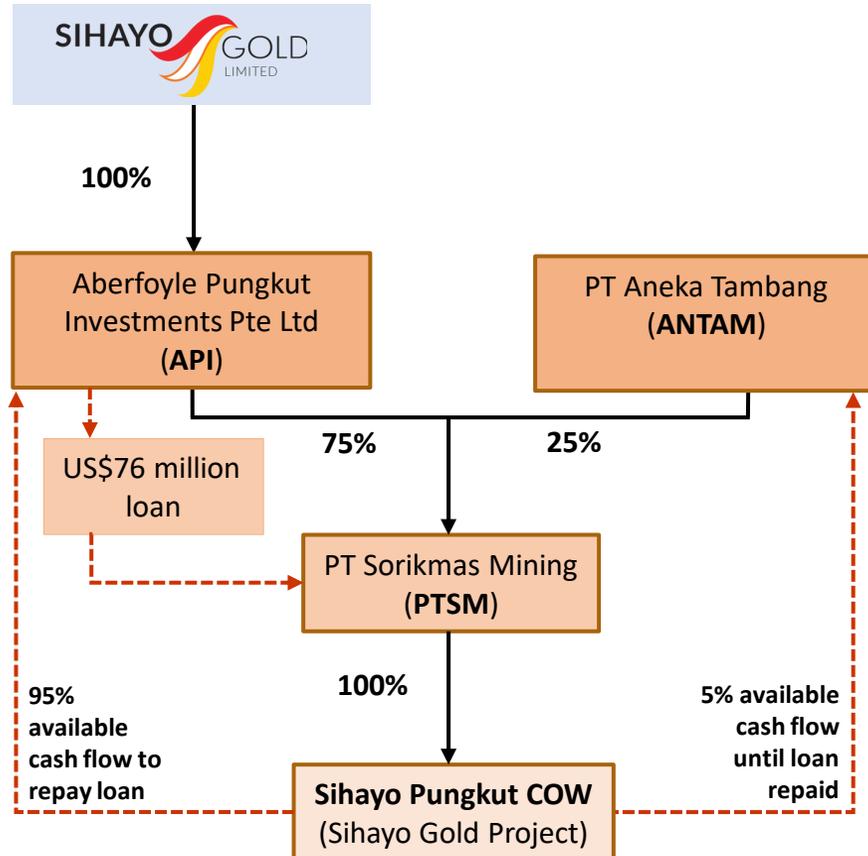
### Notes:

- Figures may not sum due to rounding
- The Ore Reserve is based conventional open pit mining
- A Net Smelter Revenue (NSR) cut off was calculated using:
  - A gold price of US\$1,450/oz
  - Royalty of 3.75% of recovered gold value
  - Tonne weighted average metallurgical recovery of 71%
- Refer to 23 June 2020 ASX release titled Sihayo Starter Project Definitive Feasibility Study for updated reserve statement including JORC Table 1

# Indonesian Joint Venture Structure

**Sihayo is the 75% owner and operator in Joint Venture with leading Indonesian group ANTAM**

## Corporate Structure



**Legend:**  
 → Shareholdings  
 - - -> Loans

## Key Points

<b>About ANTAM</b>	<ul style="list-style-type: none"> <li>▶ Partly state-owned, vertically integrated Indonesian mining company</li> </ul>
<b>JV Background &amp; Obligations</b>	<ul style="list-style-type: none"> <li>▶ December 1995: API &amp; ANTAM MOU</li> <li>▶ July 1997: API &amp; ANTAM JV agreement</li> <li>▶ API has funded all of PTSM’s exploration and mining expenditure including ANTAM’s share (US\$76 million to date)</li> <li>▶ This obligation continues until the commencement of production</li> <li>▶ ANTAM is entitled to receive 5% of the available cash flow each year from the commencement of production</li> <li>▶ ANTAM’s other 20% will flow to API until loan and interest is repaid</li> <li>▶ Under the agreement, all funding provided by API must be repaid from cashflows of PTSM</li> </ul>

# MMS: Tujuh Bukit Gold Mine Case Study

**MMS delivered the Tujuh Bukit mine development under budget, with world class safety statistics, and on schedule despite extreme and unseasonable wet weather**

<p><b>About Tujuh Bukit Gold Mine</b></p>	<ul style="list-style-type: none"> <li>▶ Gold and silver mine located in Banyuwangi Regency, East Java Province</li> <li>▶ Open pit mining</li> <li>▶ After the ore is mined, it is crushed and agglomerated before the agglomerated ore is stacked on the leach pad</li> <li>▶ Leaching of the ore and recovery of gold and silver is completed via an industry standard ADR gold processing plant</li> </ul>
<p><b>Initial Development</b></p>	<ul style="list-style-type: none"> <li>▶ Tujuh Bukit was initially developed over two phases:                             <ul style="list-style-type: none"> <li>○ <b>Phase 1:</b> Mid 2015 – Early 2017</li> <li>○ <b>Phase 2:</b> 2017</li> </ul> </li> <li>▶ In 2017, Tujuh Bukit Gold made its first gold pour, following construction of the mine infrastructure</li> </ul>
<p><b>Expansion Works</b></p>	<ul style="list-style-type: none"> <li>▶ Mine processing capacity was expanded from the original 4 mtpa to 8 mtpa – completed in Q2-2019</li> <li>▶ Additional works since the initial development has included:                             <ul style="list-style-type: none"> <li>○ <b>Oxide project</b> – 2018</li> <li>○ <b>Capital works</b> – 2019</li> </ul> </li> </ul>

<p><b>Phase 1</b> (Mid 2015 – Early 2017)</p>	<p><b>Phase 2</b> (2017)</p>
<ul style="list-style-type: none"> <li>▶ Dams</li> <li>▶ Access roads</li> <li>▶ Offices, workshops, warehouses etc.</li> <li>▶ Fuel farm</li> <li>▶ Explosives magazine</li> <li>▶ Mining pit clearing and mine haul roads</li> <li>▶ Mine infrastructure</li> <li>▶ Ore preparation plant</li> <li>▶ Heap leach pad</li> <li>▶ ADR gold plant</li> </ul>	<ul style="list-style-type: none"> <li>▶ Quarry and crushing</li> <li>▶ Access roads, jetty &amp; port facility</li> <li>▶ Electrical works for underground decline</li> <li>▶ Developed decline boxcut</li> <li>▶ Commenced underground decline</li> <li>▶ Camp upgrade</li> <li>▶ Heap leach pad (stage 2)</li> <li>▶ Environmental sediment sump construction</li> </ul>

**Construction S-Curve**

