

**ASX Release**

**28 July 2020**

Managing Director Patrick Mutz to provide updates via  
**Virtual Investor Meetings**

The Company's Managing Director, Mr Patrick Mutz, will be providing updates to investors during 28 and 29 July 2020. An updated presentation is attached for information.

This announcement is authorised for release by:

**Patrick Mutz**  
*Managing Director*



**IMAGE**  
RESOURCES

# Australia's newest mineral sands miner Emerging mid-tier prospect

## Boonanarring Mineral Sands Project

Investor Presentation  
28 July 2020

Patrick Mutz  
*Managing Director*  
Image Resources NL  
ASX: IMA

## Disclaimer and Forward Looking Statements

This presentation/document has been prepared by the management of Image Resources NL ("Image", "IMA", or "the Company"). The information presented includes an indicative outlook of the business activities of Image for the calendar year (CY) 2019 and is provided to aid investors and potential investors with assessing the value of the Company. Some of the information provided may be based on past performance, however, this information should not be considered a reliable indicator of future performance. The information presented supersedes all previously presented information of its kind unless otherwise noted. This information is based in part on Image's interpretation of trends in commodity prices, financial markets, economic and macro-economic factors and consequently is subject to variation.

Certain statements in this presentation/document, and in subsequent oral statements made by and on behalf of Image, constitute "forward-looking statements" or "forward-looking information" within the meaning of applicable securities laws. Such statements involve known and unknown risks, uncertainties and other factors, which may cause actual results, performance or achievements of the Company, the Boonanarring Project or the industry, to be materially different from any forecast results, performance or achievements expressed or implied by such forward-looking statements or information. Such statements can be identified by the use of words such as "may", "would", "could", "will", "intend", "expect", "believe", "plan", "anticipate", "estimate", "scheduled", "forecast", "predict" and other similar terminology, or state that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. These statements reflect the Company's current expectations regarding future events, performance and results as of the date of this presentation/document.

Statements in this presentation/documents that constitute forward-looking statements or information include, but are not limited to statements regarding production statistics, revenue, operating costs and EBITDA. Forward-looking information and statements may also include commodity price assumptions, projected capital and operating costs, metal or mineral recoveries, mine life, production rates and other assumptions used in the 2017 Bankable Feasibility Study ("2017BFS"). Readers are cautioned that actual results may vary from those presented. Certain of the factors and assumptions used to develop the forward-looking information, as well as the risks that could cause the actual results to differ materially, are contained in the 2017BFS and subsequent BFS updates, lodged with the ASX and disclosed on the Company's website at [www.imageres.com.au](http://www.imageres.com.au).

Accessing the information contained in this presentation implies an acknowledgement that you have read and understood the above disclaimer and qualifications regarding forward-looking statements.

Information regarding the calculation of ore reserves and mineral resources in this presentation (if any), and the consents provided by the respective Competent Persons is presented at the end of this presentation. For additional information and details on the content of this presentation, please refer to the ASX releases on the Company's website.



## Image Resources

### Mineral Sand Markets

Overview of recent trends

### Boonanarring Project

A uniquely rich and valuable mineral sands project

### Operational Performance

Demonstrating a solid track record of operational performance

### Growth

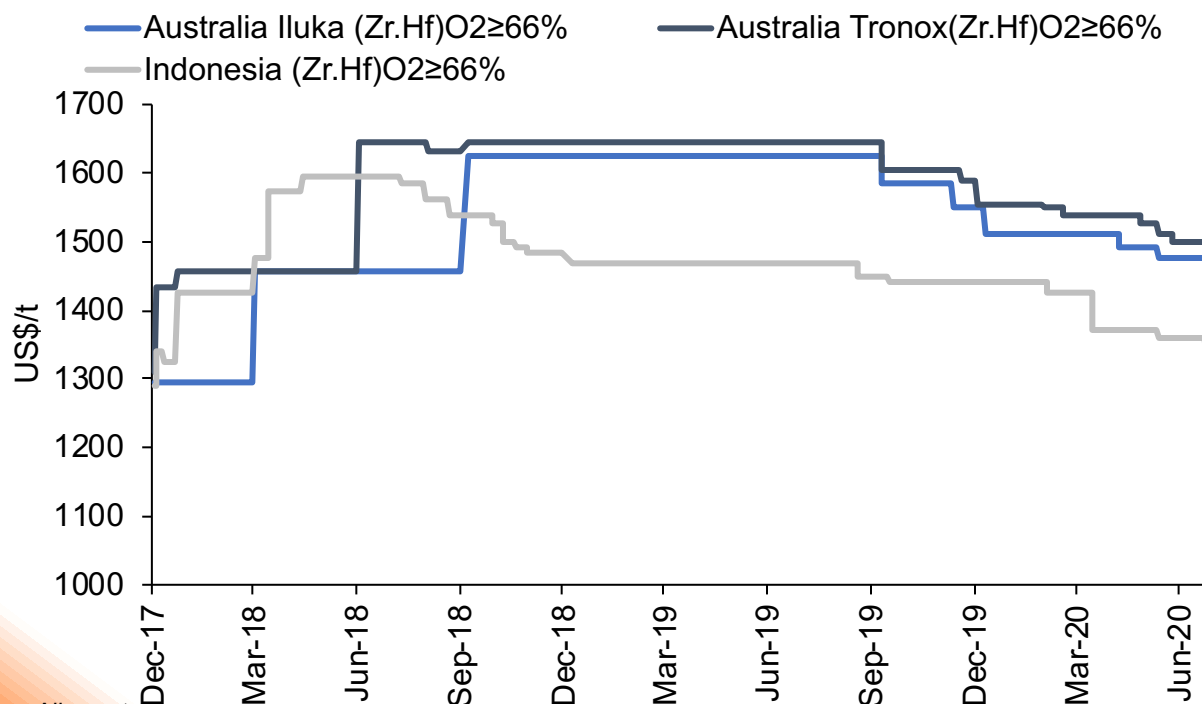
Exciting exploration upside and an enviable portfolio of potential development projects



## Mineral Sand Markets – Zircon

- Chinese zircon demand softened during late 19 & 1H'20 as the COVID-19 pandemic impacted downstream demand and international exports.
- Global supply side disruptions have provided some stability to pricing.
- Chinese domestic zircon stocks now low following a destocking cycle by large Chinese buyers.
- International downstream consumers returning to production after period of lockdown.
- Current zircon prices are now at levels that may jeopardise/delay new project development.
- Current prices still substantially higher than Image break-even price.

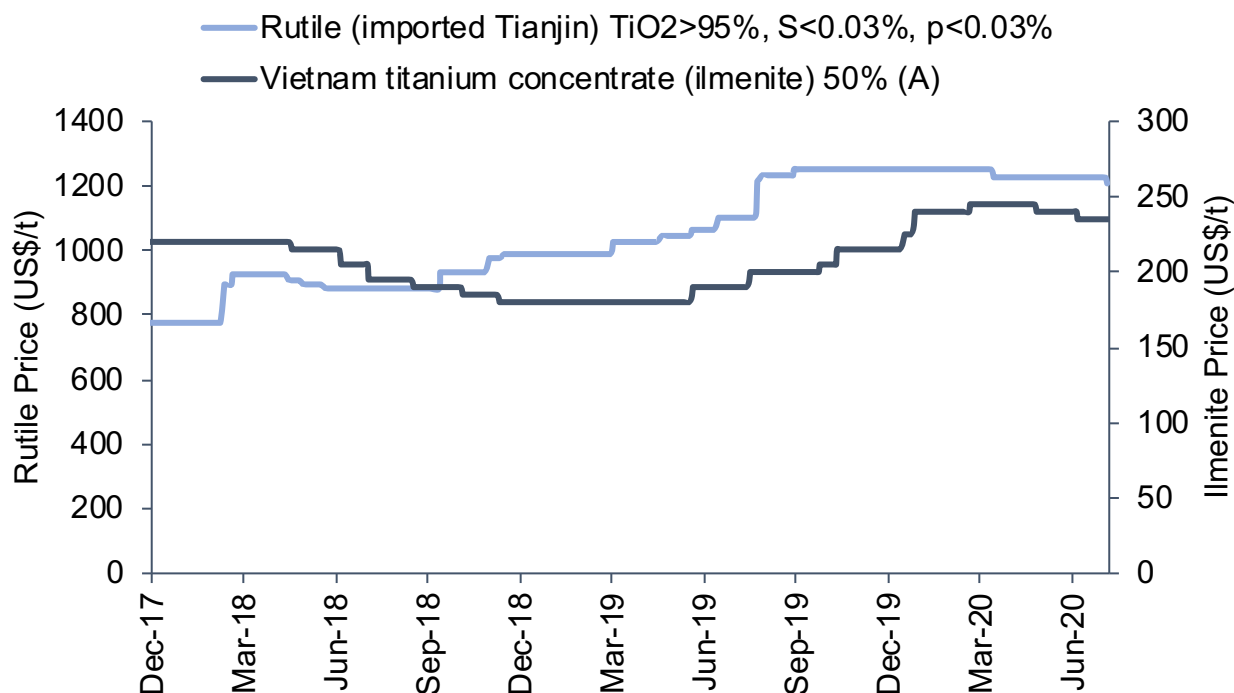
### Zircon Price



## Mineral Sand Markets – TiO<sub>2</sub>

- TiO<sub>2</sub> markets showing strength and stability.
- Ilmenite markets buoyed by limited global supply exacerbated by Chinese domestic mine suspensions and strong operating rates at sulfate pigment plants and relatively low inventory levels
- Rutile markets remain stable in part due to longer dated nature of industry offtake arrangements.
- Pricing expected to remain stable through Q3 with some moderation expected by year end.

### Rutile / Ilmenite Price



## Boonanarring Project – Uniquely Rich Deposit

### Grade

- 8.9% HM and 27.5% zircon in HM

### Assemblage

- 81% of revenue derived from zircon

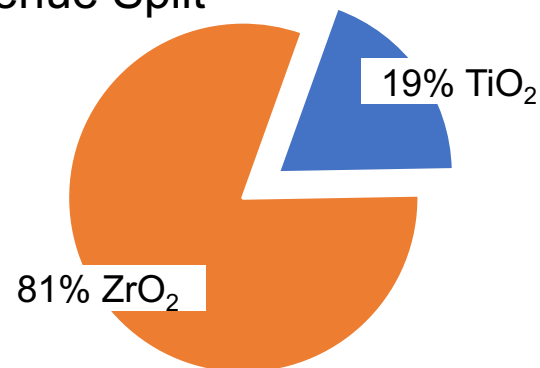
### Coarse Grained Mineralisation

- D50 ~180 microns

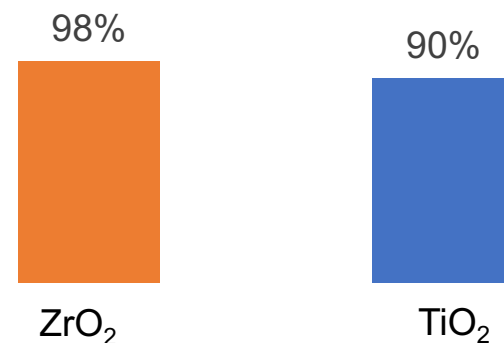
### High Metallurgical Recoveries

- 98% of  $\text{ZrO}_2$
- 90% of  $\text{TiO}_2$

Revenue Split



Metallurgical Recoveries



## Boonanarring Project – Simple Business Model



### Mining

Dry open pit mine utilising a truck and shovel fleet.

### Processing

3.7Mtpa conventional wet concentrate plant to produce a high-quality HMC.

### Trucking

HMC trucked to Bunbury.

### Shipping

HMC shipped in bulk to China.

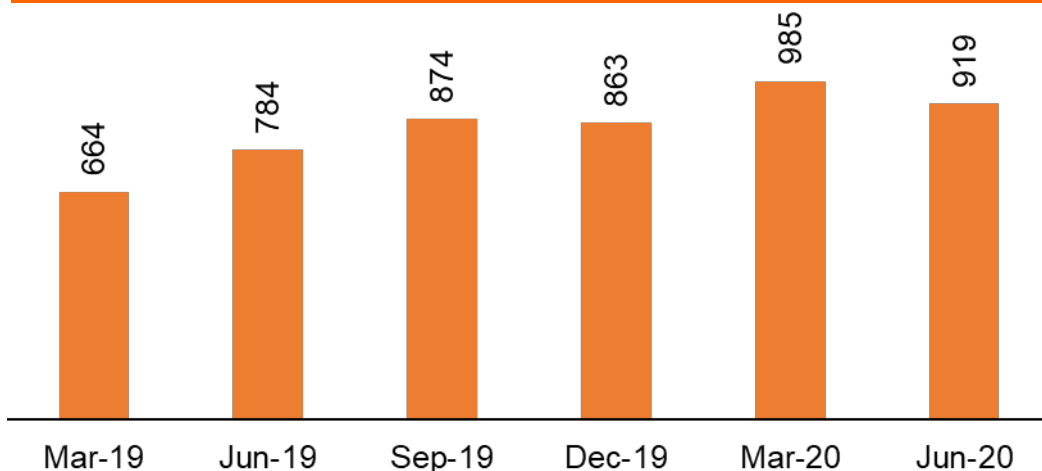




## Operational Performance – Track Record

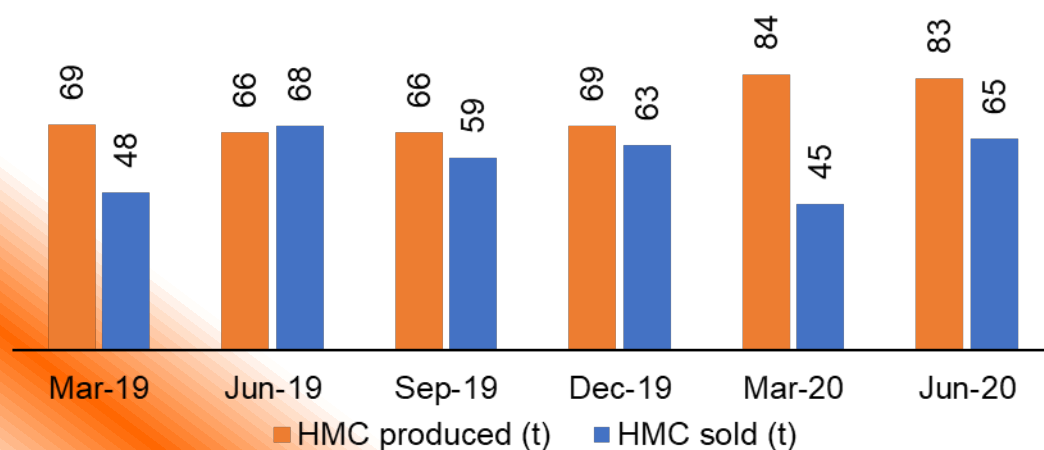
### Excellent track record of operational delivery

#### Wet Concentrate Plant Ore Processed (kt)



- Project commissioned in Dec-18.
- June Quarter 2020 operational performance broadly in line with record setting March Quarter 2020.
- CY2020 guidance unchanged.
- Wet concentrate plant now operating above design following low cost optimisations completed in 2019.

#### HMC Production and Sales (kt)

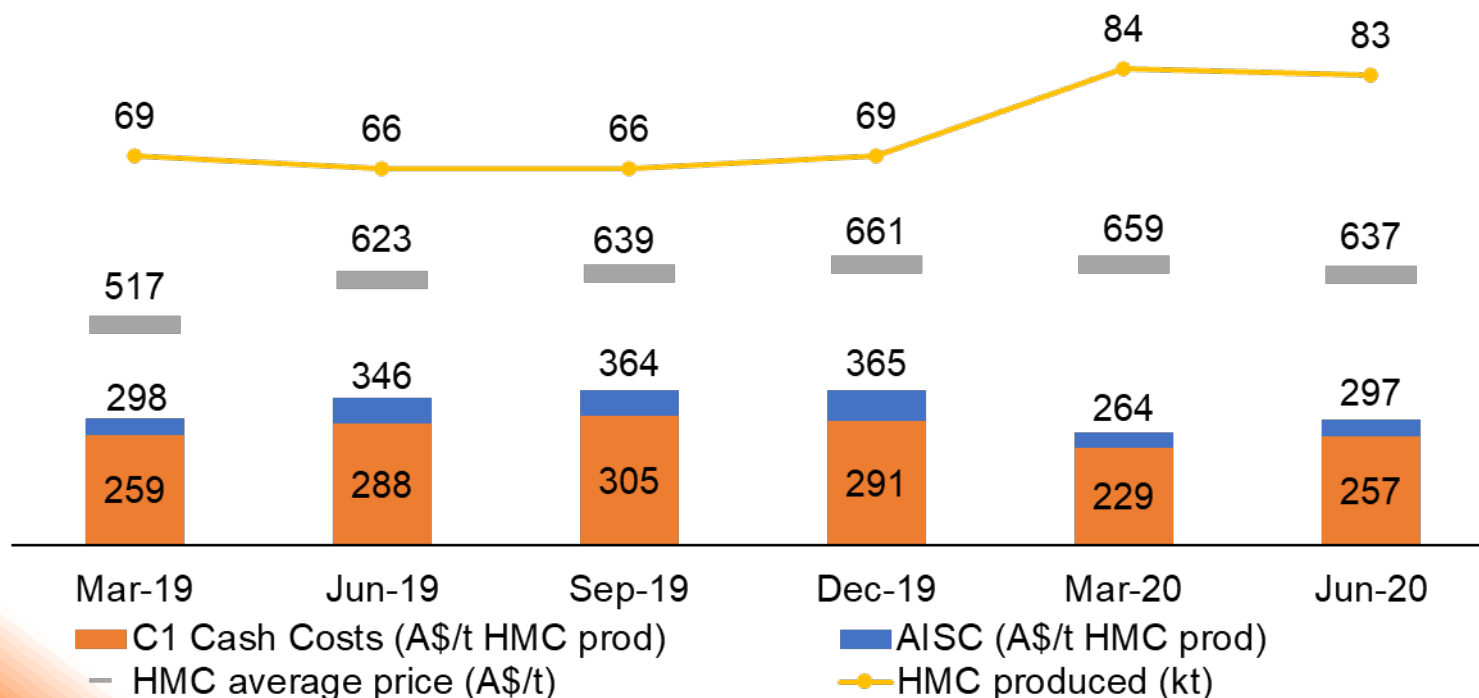


## Operational Performance – Cost Control

### Demonstrating cost discipline

- Improved operating rates and expected ore grade are supporting high HMC production rates which in conjunction with continued cost discipline are reflected in falling unit costs.

**Unit Cash Costs (A\$/t HMC Produced), HMC Production (kt HMC),  
Average Realised Price (A\$/t HMC)**



## Operational Performance – Guidance & Forecasts

Item	Units	2019 Results	2020'1H Results	2020 Guidance	2021 Forecast
HMC Produced	DMT 000s	270	167	300-330	300-330
HMC Sold	DMT 000s	238	109	300-330	300-330
Project Operating Costs	A\$m	73	45	100-110	90-100
C1 Cash Costs per tonne HMC sold	A\$/DMT	327	330	290-320	260-290
AISC Cash Costs per tonne HMC sold	A\$/DMT	390	381	340-370	315-345

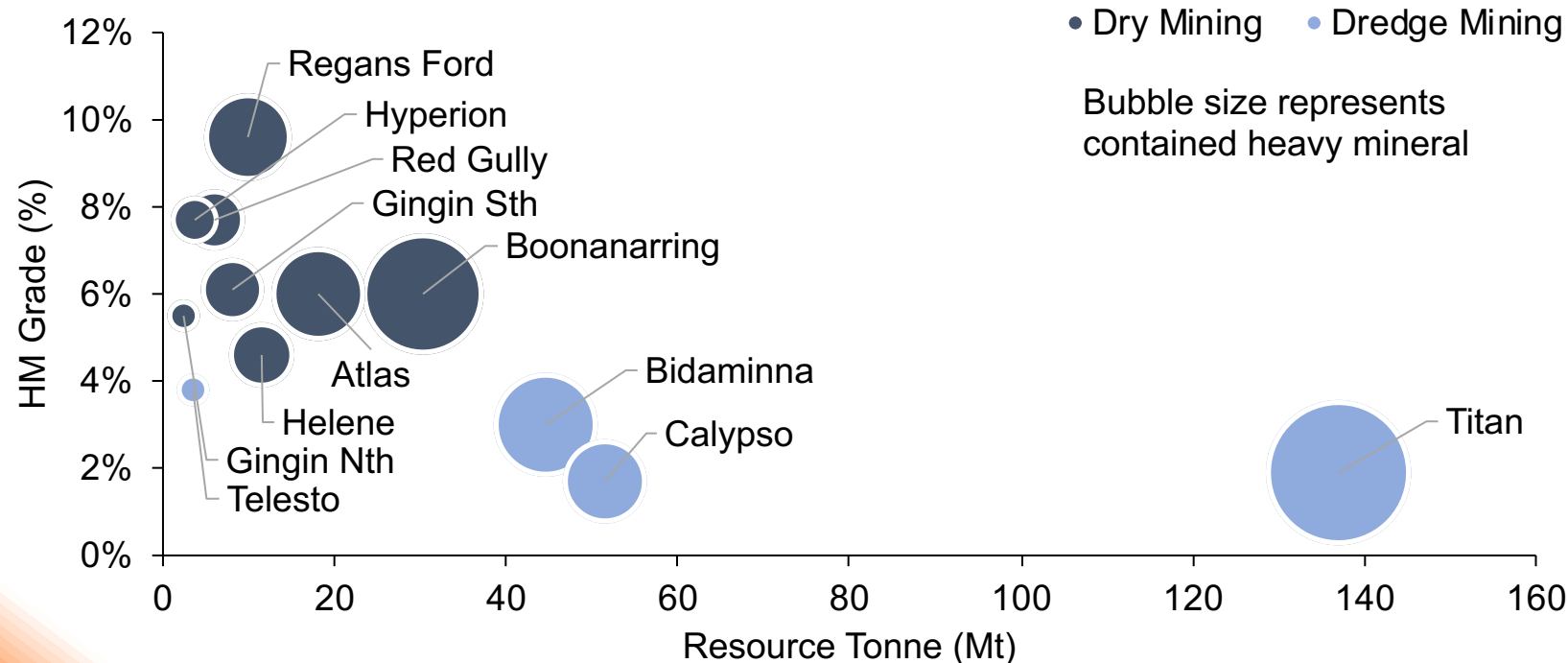
Image has made no change to 2020 guidance following the emergence of COVID-19 at the end of the March Quarter. Following the increasingly volatile economic landscape Image would like to emphasise there are a number of factors outside of its control that may impact downstream demand for its end products and therefore sales guidance. Image is continually reassessing its guidance position and will update the market if required and at a minimum will comment on guidance as part of its quarterly reporting.

## Growth – Our Portfolio

### Established resources in the North Perth Basin

- Dry Mining Mineral Resources of 93Mt; 6.3% HM and 17% Zircon+Rutile in the HM
- Dredge Mining Mineral Resources of 236Mt; 2.1% HM and 11.5% Zircon+Rutile in the HM

### JORC Mineral Resources

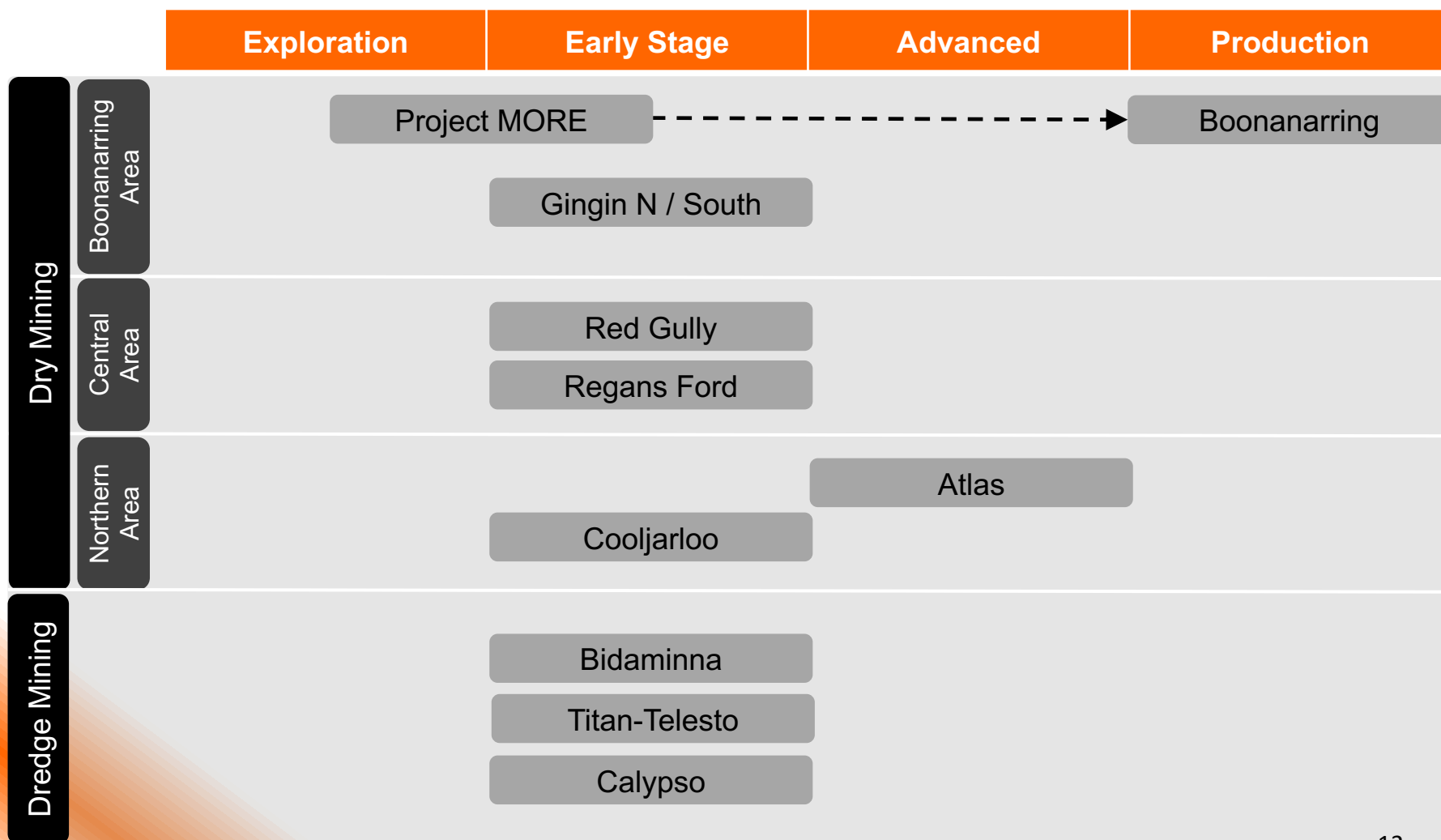


Notes: Boonanarring, Atlas, Helene, Hyperion, Titan-Telesto and Calypso per JORC Code (2012). All others per JORC Code (2004) and have not been updated to comply with JORC Code 2012 on the basis that the information has not materially changed since it was last reported.



## Growth – Our Project Pipeline

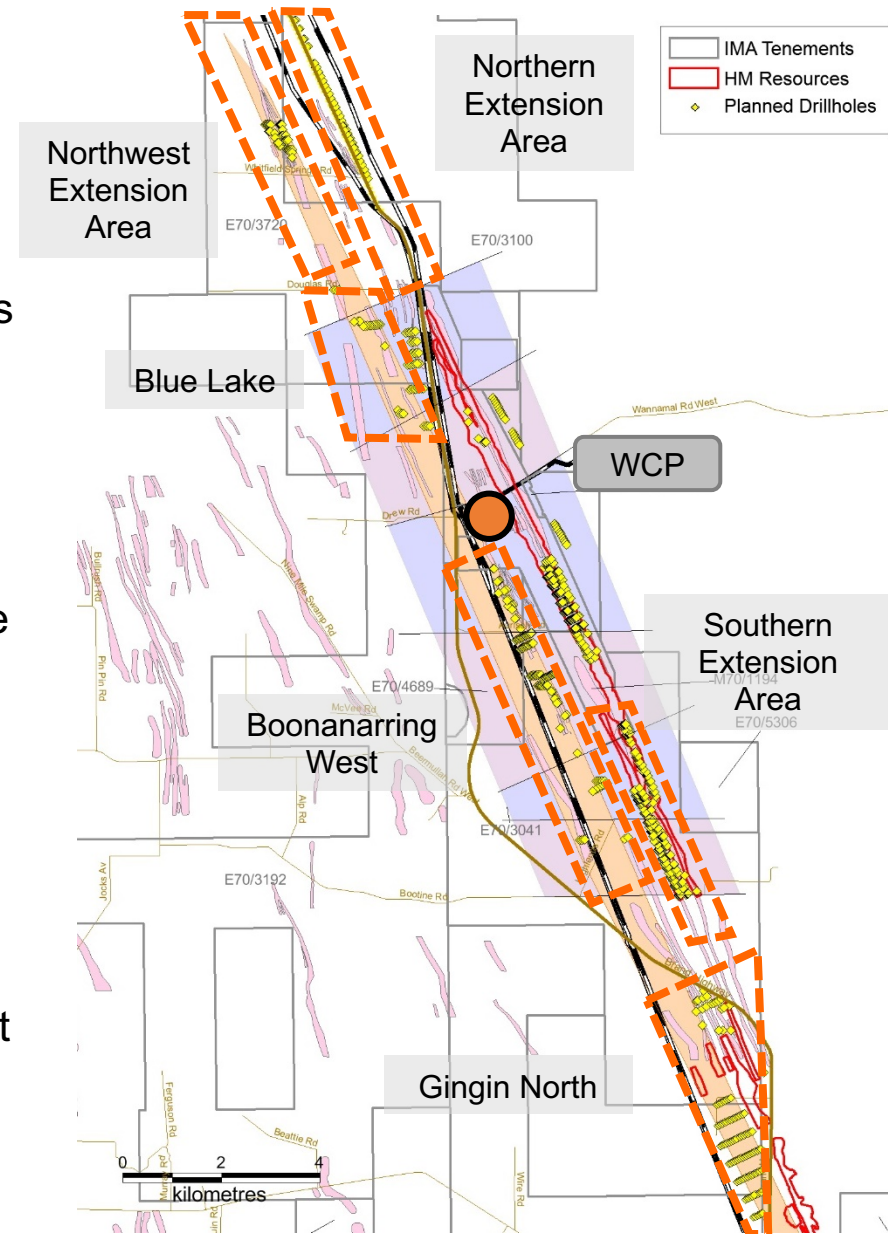
Image has an enviable portfolio of development projects



## Growth – Project MORE

**MORE Ore Reserves** – internally high profile, interdisciplinary program to rapidly add mine life at Boonanarring.

- **Rigorous target identification**
  - Systematic overview of potential targets within extensive existing tenement holdings
- **Continuous economic analysis**
  - Ensuring targets can be efficiently converted to reserves within economic distance of the existing wet concentrate plant
  - Continuous multidisciplinary review including geology, metallurgy, engineering, and environmental
  - Parallel pursuit of commercial access and mining approvals
- **High priority project execution**
  - High priority senior leadership oversight to ensure project is executed efficiently



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**For further information**

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**IMAGE**  
**RESOURCES**

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*Managing Director*  
**Image Resources NL**

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## Corporate Snapshot

### *Diverse and Experienced Board and Management*

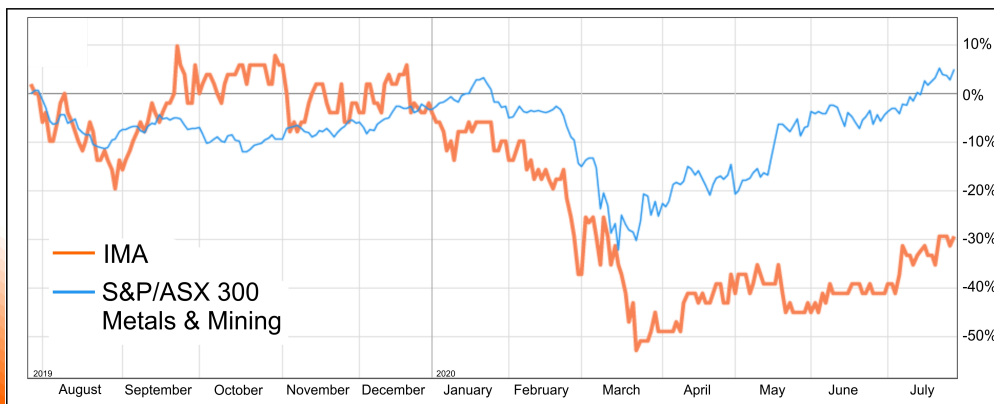
ASX Code:	IMA
Share Price:	A\$0.18*
12-Month Price Range:	A\$0.12-0.28
Shares on Issue:	981m
<b>Market Cap:</b>	<b>A\$172m*</b>
Cash on hand:	A\$36m**
Debt:	A\$38m**
<b>Enterprise Value:</b>	<b>A\$174m</b>
Top 20 Shareholders:	70%

#### **Board of Directors**

Bob Besley – Independent Chairman  
 Patrick Mutz – Managing Director  
 Chaodian Chen - Non-Executive Director  
 Aaron Chong Veoy Soo – Non-Executive Dir  
 Peter Thomas – Non-Executive Director  
 Fei (Eddy) Wu – Non-Executive Director  
 Huangcheng Li – Non-Executive Director

#### **Key Management**

Patrick Mutz – MD & CEO  
 John McEvoy – Chief Financial Officer  
 Todd Colton – Chief Operating Officer  
 George Sakalidis – Head of Exploration



\* - as at 24 Jul 2020

\*\* - as at 30 Jun 2020



## Ore Reserves

### HIGH-QUALITY ORE RESERVES (Updated Dec 2019)

- JORC Code (2012) Compliant
- High HM, VHM and very high zircon at Boonanarring

Ore Reserves - Strand Deposits; in accordance with the JORC Code (2012)											
Project/Deposit	Category	Tonnes (million)		% HM	% Slimes	HM Tonnes (million)	VHM (%)	Ilmenite (%)	Leucoxene (%)	Rutile (%)	Zircon (%)
Boonanarring	Proved	3.5		13.9	16.0	0.5	82.7	44	4.6	2.2	31.9
Boonanarring	Probable	7.1		6.4	16.0	0.5	76.6	49	1.7	2.8	23.1
<b>Total Boonanarring</b>		<b>10.7</b>		<b>8.9</b>	<b>16.0</b>	<b>0.9</b>	<b>79.6</b>	<b>46</b>	<b>3.2</b>	<b>2.5</b>	<b>27.5</b>
Atlas	Probable	9.5		8.1	15.5	0.8	73.3	50.7	4.5	7.5	10.6
<b>Total Atlas</b>		<b>9.5</b>		<b>8.1</b>	<b>15.5</b>	<b>0.8</b>	<b>73.3</b>	<b>50.7</b>	<b>4.5</b>	<b>7.5</b>	<b>10.6</b>
<b>Total Ore Reserves</b>		<b>20.2</b>		<b>8.5</b>	<b>15.8</b>	<b>1.7</b>	<b>76.8</b>	<b>48.3</b>	<b>3.8</b>	<b>4.7</b>	<b>19.9</b>

# Mineral Resources

Mineral Resources - Strand Deposits; in accordance with the JORC Code (2012) @ 2.0% HM Cut-off										
Project/Deposit	Category	Tonnes (million)	% HM	% Slimes	HM Tonnes (million)	VHM (%)	Ilmenite (%)	Leucoxene (%)	Rutile (%)	Zircon (%)
Boonanarring	Measured	8.8	10.3	14	0.9	78.1	46	3.8	2.3	26.0
Boonanarring	Indicated	14.6	4.6	17	0.7	71.2	48	2.6	2.7	17.9
Boonanarring	Inferred	6.9	3.5	20	0.2	59.4	45	4.9	3.9	5.6
<b>Boonanarring Total</b>		<b>30.3</b>	<b>6.0</b>	<b>17.0</b>	<b>1.8</b>	<b>72.7</b>	<b>46</b>	<b>3.6</b>	<b>2.7</b>	<b>20.4</b>
Atlas	Measured	9.9	7.9	16.1	0.8	71.0	49.1	4.2	7.2	10.5
Atlas	Indicated	6.4	3.7	17.3	0.2	56.5	41.6	3.4	4.7	6.8
Atlas	Inferred	1.8	4.0	19.9	0.1	41.5	29.0	3.3	4.4	4.8
<b>Atlas Total</b>		<b>18.1</b>	<b>6.0</b>	<b>16.9</b>	<b>1.1</b>	<b>65.9</b>	<b>46.1</b>	<b>4.0</b>	<b>6.5</b>	<b>9.3</b>
<b>Sub-Total Atlas/Boonanarring</b>		<b>48.4</b>	<b>6.0</b>	<b>17.0</b>	<b>2.9</b>	<b>70.1</b>	<b>46.1</b>	<b>3.7</b>	<b>4.1</b>	<b>16.2</b>

Mineral Resources - Strand Deposits; in accordance with JORC Code (2012) @ 2.0% HM Cut-off											
Project/Deposit	Category	Volume (million)	Tonnes (million)	% HM	% Slimes	HM Tonnes (million)	VHM (%)	Ilmenite (%)	Leucoxene (%)	Rutile (%)	Zircon (%)
Helene	Indicated	6.4	13.2	4.3	18.6	0.57	88.7	74.6	0.0	3.6	10.5
Hyperion	Indicated	2.4	5.0	6.3	19.0	0.32	69.4	55.8	0.0	6.3	7.3
Sub-Total Cooljarloo Nth Total		8.8	18.2	4.8	18.7	0.88	81.8	67.9	0.0	4.6	9.4

Mineral Resources - Strand Deposits; in accordance with JORC Code (2004) @ 2.5% HM Cut-off											
Project/Deposit	Category	Volume	Tonnes	% HM	% Slimes	HM Tonnes	VHM	Ilmenite	Leucoxene	Rutile	Zircon
		(million)	(million)			(million)	(%)	(%)	(%)	(%)	(%)
Gingin Nth	Indicated	0.7	1.3	5.7	15.71	0.08	75.4	57.4	9.3	3.2	5.5
Gingin Nth	Inferred	0.6	1.1	5.2	14.0	0.06	78.4	57.3	11.3	3.7	6.0
<b>Gingin Nth Total</b>		<b>1.3</b>	<b>2.4</b>	<b>5.5</b>	<b>15.0</b>	<b>0.13</b>	<b>76.7</b>	<b>57.3</b>	<b>10.2</b>	<b>3.4</b>	<b>5.7</b>
Gingin Sth	Measured	0.9	1.5	4.4	7.22	0.07	79.4	50.7	15.3	5.6	7.8
Gingin Sth	Indicated	3.2	5.8	6.5	7.1	0.38	90.6	67.6	9.8	5.1	8.1
Gingin Sth	Inferred	0.4	0.7	6.5	8.4	0.05	91.6	67.4	7.5	5.8	10.9
<b>Gingin Sth Total</b>		<b>4.5</b>	<b>8.1</b>	<b>6.1</b>	<b>7.3</b>	<b>0.49</b>	<b>89.2</b>	<b>65.3</b>	<b>10.3</b>	<b>5.2</b>	<b>8.3</b>
Red Gully	Indicated	1.9	3.4	7.8	11.5	0.3	89.7	66.0	8.3	3.1	12.4
Red Gully	Inferred	1.5	2.6	7.5	10.7	0.2	89.0	65.4	8.2	3.0	12.3
<b>Red Gully Total</b>		<b>3.4</b>	<b>6.0</b>	<b>7.7</b>	<b>11.2</b>	<b>0.5</b>	<b>89.4</b>	<b>65.7</b>	<b>8.2</b>	<b>3.1</b>	<b>12.4</b>
<b>Sub-Total Gingin &amp; Red Gully</b>		<b>9.2</b>	<b>16.5</b>	<b>6.6</b>	<b>9.8</b>	<b>1.08</b>	<b>87.8</b>	<b>64.5</b>	<b>9.4</b>	<b>4.1</b>	<b>9.7</b>

Mineral Resources - Strand deposit; in accordance with JORC Code (2004) @ 2.5% HM Cut-off											
Project/Deposit	Category	Volume	Tonnes	% HM	% Slimes	HM Tonnes	VHM	Ilmenite	Leucoxene	Rutile	Zircon
		(million)	(million)			(million)	(%)	(%)	(%)	(%)	(%)
Regans Ford	Indicated	4.5	9.0	9.9	16.8	0.89	94.3	70.0	10.0	4.3	10.0
Regans Ford	Inferred	0.5	0.9	6.5	18.5	0.06	90.5	68.3	7.7	4.4	10.1
Sub-Total Regans Ford Total		5.0	9.9	9.6	17.0	0.95	94.1	69.9	9.9	4.3	10.0
Grand Totals		22.9	93.0	6.3		5.8	79.1	56.7	5.2	4.2	13.0

Mineral Resources - Dredge deposits; in accordance with JORC Code (2012) @ 1.0% HM Cut-off											
Project/Deposit	Category	Volume (million)	Tonnes (million)	% HM	% Slimes	HM Tonnes (million)	VHM (%)	Ilmenite (%)	Leucoxene (%)	Rutile (%)	Zircon (%)
Titan	Indicated	10.3	21.2	1.8	22.07	0.38	86.0	71.9	1.5	3.1	9.5
Titan	Inferred	58.5	115.4	1.9	18.9	2.21	85.9	71.8	1.5	3.1	9.5
<b>Total Titan</b>	<b>Total</b>	<b>68.8</b>	<b>136.6</b>	<b>1.9</b>	<b>19.4</b>	<b>2.58</b>	<b>85.9</b>	<b>71.8</b>	<b>1.5</b>	<b>3.1</b>	<b>9.5</b>
Telesto	Indicated	1.7	3.5	3.8	18.41633	0.13	83.3	67.5	0.7	5.6	9.5
Calypso	Inferred	27.1	51.5	1.7	13.7	0.85	85.6	68.1	1.6	5.1	10.8

Mineral Resources - Dredge deposits; in accordance with JORC Code (2004) @ 1.0% HM Cut-off											
Project/Deposit	Category	Volume (million)	Tonnes (million)	% HM	% Slimes	HM Tonnes (million)	VHM (%)	Ilmenite (%)	Leucoxene (%)	Rutile (%)	Zircon (%)
Bidamina	Inferred	26.3	44.6	3.0	3.6	1.34	96.8	83.1	7.2	1.0	5.5
<b>Total Dredge</b>		<b>123.9</b>	<b>236.2</b>	<b>2.1</b>	<b>15.2</b>	<b>4.91</b>	<b>87.8</b>	<b>73.1</b>	<b>2.6</b>	<b>3.2</b>	<b>9.0</b>

This presentation includes information that relates to Ore Reserves and Mineral Resources which were prepared and first disclosed under JORC Code 2012. The information was extracted from the Company's previous ASX announcements as follows:

- Boonanarring Mineral Resources and Ore Reserves: 20 December 2019
- Atlas Ore Reserves: 30 May 2017
- Atlas Mineral Resources: 8 May 2017
- Helene Mineral Resources: 31 Oct 2019
- Hyperion Mineral Resources: 31 Oct 2019
- Titan Mineral Resources: 31 Oct 2019
- Telesto South Mineral Resources: 31 Oct 2019
- Calypso Mineral Resources: 31 Oct 2019

The Company confirms that, other than mining depletion, 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 reporting of Ore Reserves and Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which any Competent Person's findings are presented have not been materially modified from the original market announcement.

This presentation includes information that relates to Ore Reserves and Mineral Resources for non-material mining projects of the Company which were prepared and first disclosed under JORC Code 2004. The information was extracted from the Company's previous ASX announcements as follows:

- Gingin North Mineral Resources: 31 Mar 2011
- Gingin South Mineral Resources: 21 Jul 2011
- Red Gully Mineral Resources: 9 Mar 2011
- Bidamina Mineral Resources: 23 Jun 2008

The Company confirms 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 reporting of Ore Reserves and Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which any Competent Person's findings are presented have not been materially modified from the original market announcement. This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported