

Developing a High Grade Neodymium & Praseodymium Mine





All currency amounts are in A\$ unless stated otherwise.

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Exploration Targets

The terms "Target" or "Exploration Target" where used in this presentation should not be misunderstood or misconstrued as an estimate of a Mineral Resource as defined in this context. Exploration Targets are conceptual in nature, there has been insufficient exploration to define a Mineral Resource and it is uncertain further exploration will result in the determination of a Mineral Resource.

Competent Persons' Statement

The information in this presentation that relates to Resources is based on information compiled by Lynn Widenbar. Mr Widenbar is a consultant to the Company and a member of the Australasian Institute of Mining and Metallurgy. The information in this presentation that relates to Exploration Results is based on information compiled by Andy Border, an employee of the Company and a member of the Australasian Institute of Mining and Metallurgy.

Each has sufficient experience relevant to the styles of mineralisation and types of deposits which are covered in this announcement and DFS and to the activity which they are undertaking 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' ("JORC Code"). Each consent to the inclusion in this announcement and DFS of the matters based on his information in the form and context in which it appears.

The information in this presentation that relates to the Fraser's and Bald Hill Ore Reserve is based on information reviewed or work undertaken by Mr Frank Blanchfield, FAusIMM, and an employee of Snowden Mining Industry Consultants. Mr Blanchfield has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the preparation of mining studies to qualify as a Competent Person as defined by the JORC Code 2012. Mr Blanchfield consents to the inclusion in this announcement and DFS of the matters based on his information in the form and context in which it appears.

The scientific and technical information in this presentation that relates to process metallurgy is based on information reviewed by Mr Dale Harrison MAusIMM, who is a metallurgical consultant and employee of Wave International. Mr Harrison 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 by the JORC Code 2012. Mr Harrison consents to the inclusion in this announcement and DFS of the matters based on his information in the form and context in which it appears.

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Some End Uses for Magnets' Rare Earth





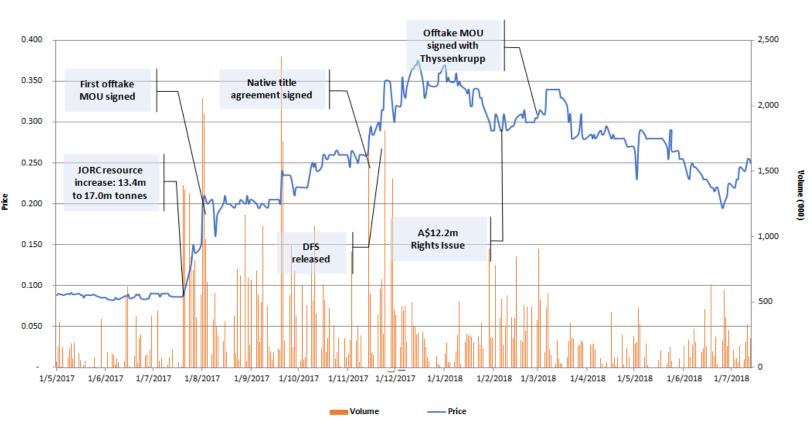
Hastings Equity Statistics



Steady growth in market cap since May 2017

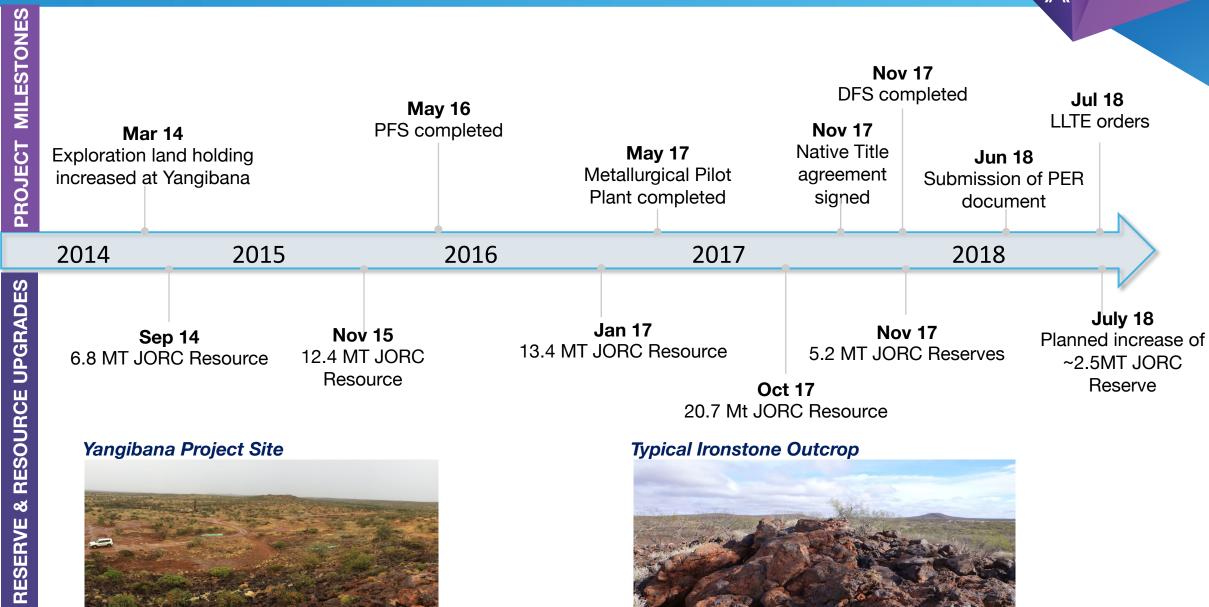
- Market Cap ~ A\$ 180m
- ~ 1200 Shareholders
 +55% in 2017
- Top 10 shareholders owns
 ~ 70%
- A\$59m raised since 2014
- Cash: A\$25m as reported on 31st March 2018
- No Debt
- Included in the ASX All Ordinaries Index

Hastings ASX Daily Price Chart



Yangibana Development History

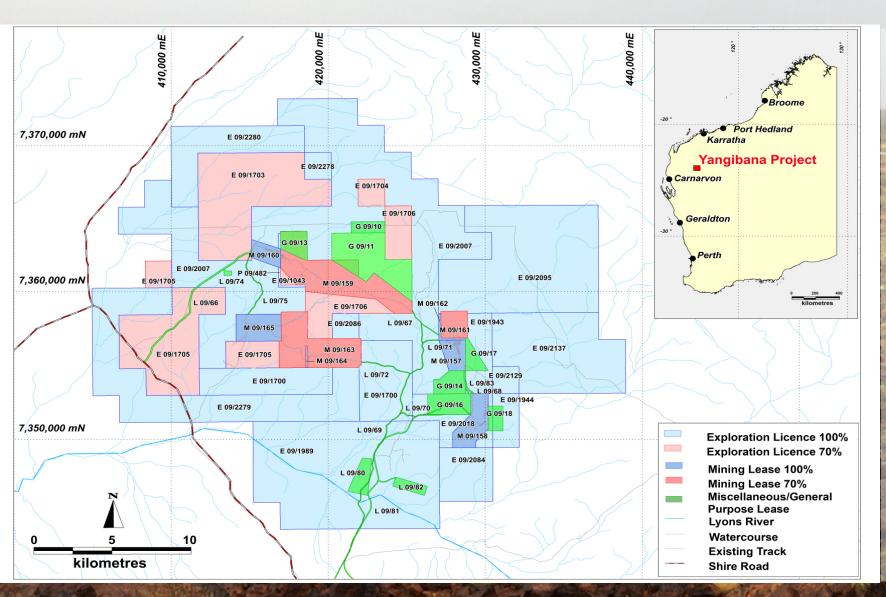




Yangibana - Western Australia



Established Mining Region, Flat Terrain, Open Pit

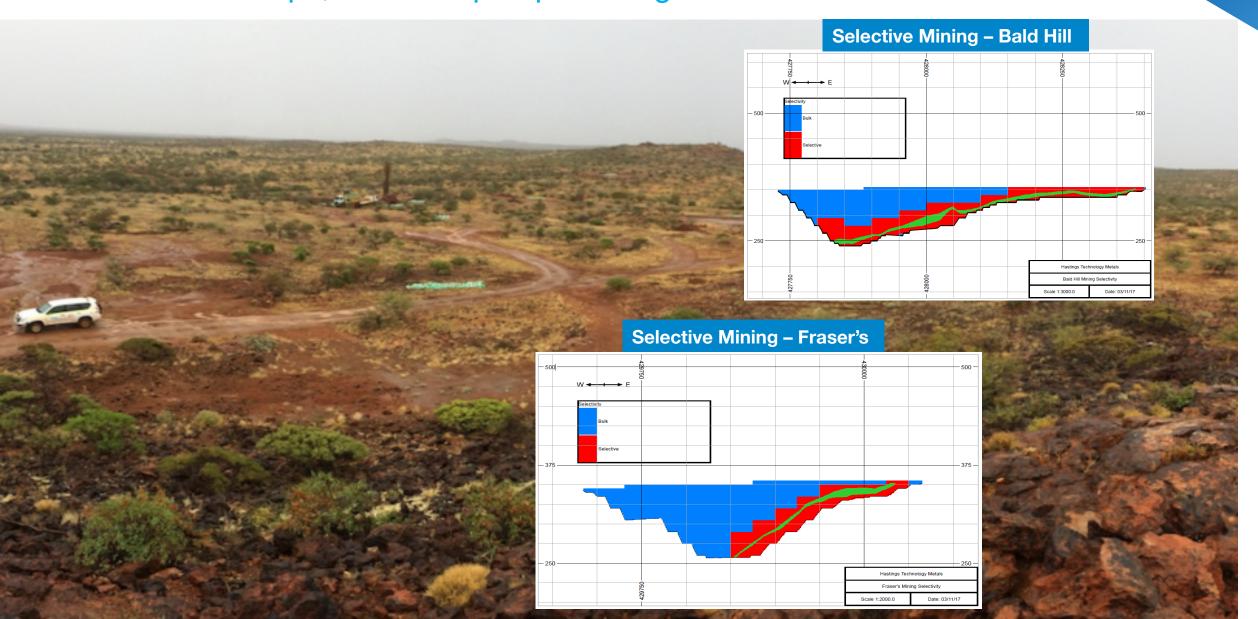


- Yangibana area ~ 650 km²
- 21 years Mining Leases granted since March 2016 covering only 50 sqkm
- JORC Resource 21m tonnes from 50 sqkm
- Native Title Agreement signed Nov 2017 for 650sqkm
- Miscellaneous and General Purpose Leases granted for supporting infrastructure
- Permits to granted to commence mine infrastructure construction

Favourable Terrain



Mineralised out crops, shallow open pit mining



JORC Resources and Reserves



High Neodymium and Praseodymium content

- Total Measured, Indicated and Inferred Resources now at 21MT*
- Total Probable Ore Reserve at 5.15MT
 Additional Production Target of ~ 2.5MT to be
 added mid 2018
- Target Total Reserves of 10MT by early 2019 on 100% owned ground
- DFS only on 100% owned ground; Additional Reserves from JV tenements in future
- In-ground ratio of Nd-Pr as % of TREO ranges from 34% (0.40%/1.18%) to as high as 57% locally at Simon's Find deposit

Total Yangibana JORC Resources (rounded)

Category	Tonnes	Nd ₂ O ₃ +Pr ₆ O ₁₁	TREO	Nd_2O_3	Pr ₆ O ₁₁
		%	%	ppm	ppm
Measured	3,900,000	0.42	1.19	3,372	851
Indicated	8,600,000	0.42	1.25	3,368	858
Inferred	8,400,000	0.36	1.09	2,829	740
TOTAL	21,000,000	0.40	1.17	3,152	809

Hastings 100% owned ground

Category	Tonnes	Nd ₂ O ₃ +Pr ₆ O ₁₁	TREO	Nd_2O_3	Pr ₆ O ₁₁
		%	%	ppm	ppm
Measured	3,000,000	0.42	1.06	3,404	809
Indicated	6,600,000	0.41	1.09	3,324	794
Inferred	5,800,000	0.35	0.93	2.840	684
TOTAL	15,400,000	0.39	1.03	3,158	756

Hastings 70% owned JV ground

Category	Tonnes	Nd ₂ O ₃ +Pr ₆ O ₁₁	TREO	Nd_2O_3	Pr ₆ O ₁₁
		%	%	ppm	ppm
Measured	900,000	0.43	1.64	3,258	997
Indicated	2,100,000	0.46	1.76	3,507	1,061
Inferred	2,700,000	0.37	1.42	2,806	860
TOTAL	5,600,000	0.41	1.58	3,134	955

8

^{*} Hastings ASX release 22 Nov 2017;

Native Title Agreement signed

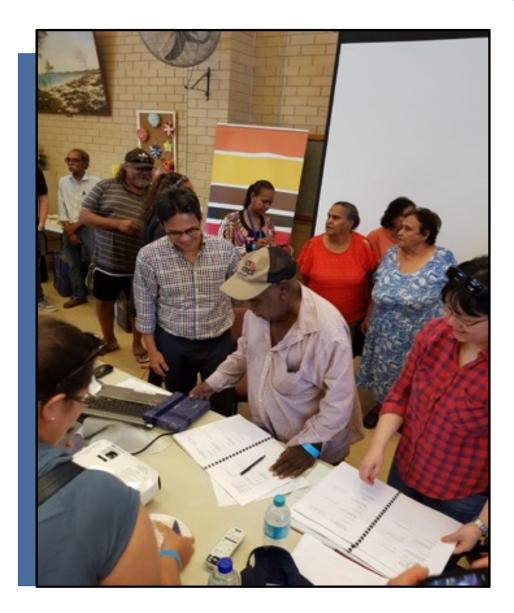




Agreement reached with Thiin-Mah Warriyangka, Tharrkari and Jiwarli

- Signed 9th November 2017 covering all 650 sqkm
- < 1% royalty based on sales for the LoM
- Applicable to all rare earth and niobium mined
- Provision of jobs and training for the community





Definitive Feasibility Study (DFS) - Yangibana



Independent Study by Wave International and Snowden

- JORC Resource of 21MT supports an initial 8 years mine life on 100% held ground
- Maiden JORC Probable Ore Reserves of 5.15MT on 100% owned ground
- Highest known Neodymium & Praseodymium (Nd-Pr) content at 41% of TREO
- Mining 1m tonnes pa to produce up to 15,000 tpa of Mixed Rare Earths Carbonate
- Nd-Pr metallurgical recovery 75.6% achieved in pilot test plant
- Financial Highlights:
 - NPV (after tax) = A\$466m at 8% discount rate
 - IRR = 78%
 - EBITDA payback of 2.3 years from average equity drawdown period
 - Pre-production CAPEX A\$335m; OPEX A\$17.06/kg TREO (US\$12.8/kg)
- Additional Production Target will increase Reserves to 8MT on 100% owned ground

^{*} The underlying assumptions and production targets have not changed from the date of release of the DFS on 28 November 2017 (see also page 25)

Four off-take MOUs signed





70% of Yangibana production under Offtake MOUs to German and Chinese customers

- ➤ Thyssenkrupp Raw Materials Gmbh 5,000 tonnes per annum of Yangibana MREC for 10 years; for the German and European automotive and other industries (28 Feb 2018)
- Baotou Sky Rock Rare Earth New Material Co. Ltd 2,500 tonnes per annum (1 Aug 2017) Sky Rock produces high tolerance NdFeB permanent magnets. Main products include
 - Sintered Neodymium Magnets
 - Sintered Samarium Cobalt Magnets
- China Rare Earth Holdings Ltd 2,000 tonnes per annum (1 Sept 2017)
 - CREH started business in 1987 and listed on HKEX in 1999.
 - Established manufacturer of rare earth derived and refractory products
- ➤ Qiandong Rare Earth Group (GQD) 1,500 tonnes per annum (13 Sept 2017)
 - GQD founded in 1988
 - Through 11 subsidiary companies involved in all parts of the rare earth product supply chain
- ✓ Offtake Price will be set at average of 3 months market prices prior to shipment, FOB Freemantle
- ✓ Potential for additional off-take with Japanese customers

Yangibana Advantage – Highest Nd-Pr ratio



Comparison of REO Distribution & Basket Value Between Hastings and Major Light RE Producers

RE Oxide/TREO	Linit	Hootings	CI	nina	Outside of China					
RE Oxide/TREO	Unit	Hastings	Baotou	Sichuan	Mt Weld	Mountain Pass				
Lanthanum	%	9.99	25.94	36.50	25.16	33.22				
Cerium	%	39.59	50.69	47.90	46.36	49.10				
Praseodymium	%	8.01	5.15	4.10	5.38	4.30				
Neodymium	%	33.80	15.90	10.00	18.79	12.00				
Samarium	%	3.88	1.21	0.70	2.27	0.80				
Europium	%	0.84	0.22	80.0	0.47	0.12				
Gadolinium	%	1.80	0.39	0.23	0.85	0.17				
Terbium	%	0.15	0.05	0.04	0.06	0.04				
Dysprosium	%	0.50	0.11	0.06	0.16	0.07				
Yttrium	%	1.14	0.25	0.31	0.45	0.10				
Other	%	0.29	0.10	0.08	0.05	0.09				
Economic Value Factor		1.90	1.00	0.72	1.14	0.81				

- Nd-Pr /TREO composition is validated by customers in the MREC
- Economic Value Factor calculated on individual
 % of REE in the ore body x REO prices
- Yangibana: high Nd-Pr content of 41%
- Yangibana basket price @ USD30.50/kg (Oct 2017) used in DFS
- 9th May 2018 basket price is \$29.20

Basket Price USD/kg

29.20

15.35

11.15

17.45

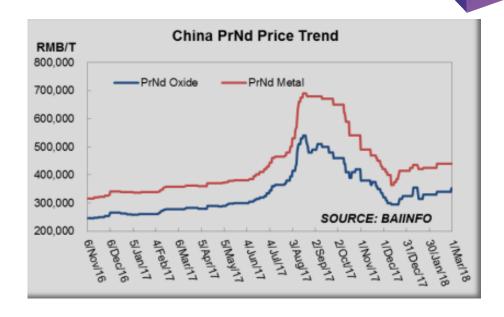
12.40

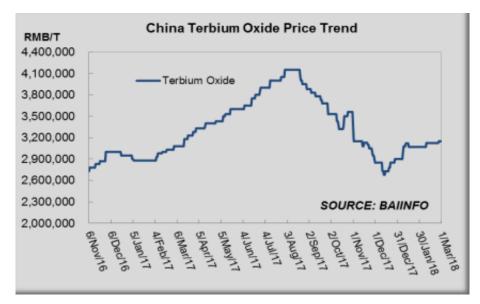
Spot Prices of Rare Earth Oxides (May 2018)



China F.o.B. Export prices	s 09-Mar-2018	8 (USD/kg) & Y	TD change
Lanthanum oxide	La2O3	\$ 2.37	1 %
Cerium oxide	CeO2	\$ 2.30	0 %
Praseodymium oxide	Pr6O11	\$ 70.50	+11 %
Neodymium oxide	Nd2O3	\$ 58	+22 %
Dysprosium oxide	Dy2O3	\$ 190.50	+9 %
Terbium oxide	Tb407	\$ 517.50	+22 %
Samarium oxide	Sm2O3	\$ 2.25	-2 %
Europium oxide	Eu2O3	\$ 59.50	-9%
Erbium oxide	Er2O3	\$ 26	+2 %
Holmium oxide	Ho2O3	\$ 64.35	+3 %
Lutetium oxide	Lu2O3	\$ 671.10	+3 %
Yttrium oxide	Y2O3	\$ 3.35	0 %

Source: ASIAN METAL May 2018





Peer Comparison



REO Composition and Basket Price

		Hastings	Lynas	Peak Resources	Alkane	Greenland	Molycorp	Basket Prices
Project		Yangibana	Mount Weld	Ngualla	Dubbo	Kvanefjeld	Mountain Pass	US\$/kg
Current Stage		Construction	Production	Development	Development	Development	Ceased Op	
Lanthanum	%	10.0%	25.2%	27.6%	19.5%	27.7%	33.2%	2.4
Cerium	%	39.6%	46.4%	48.2%	36.7%	36.1%	49.1%	2.4
Praseodymium	%	8.0%	5.4%	4.7%	4.0%	4.5%	4.3%	69.2
Neodymium	%	33.8%	18.8%	16.6%	14.1%	13.7%	12.0%	58.4
Sub-Total NdPr	%	41.82%	24.17%	21.33%	18.10%	18.19%	16.30%	-
Samarium	%	3.9%	2.3%	1.6%	2.2%	3.0%	0.8%	2.5
Europium	%	0.8%	0.5%	0.3%	0.1%	0.2%	0.1%	66.0
Gadolinium	%	1.8%	0.9%	0.6%	2.2%	1.8%	0.2%	16.9
Terbium	%	0.1%	0.1%	0.1%	0.3%	0.3%	0.0%	478.0
Dysprosium	%	0.5%	0.2%	0.1%	2.1%	1.4%	0.1%	181.5
Yttrium	%	1.1%	0.5%	0.2%	15.8%	10.1%	0.1%	3.6
Others	%	0.3%	0.1%	0.0%	0.0%	1.3%	0.1%	-
Basket Value	US\$/kg	29.24	17.51	15.51	18.63	18.15	12.41	-

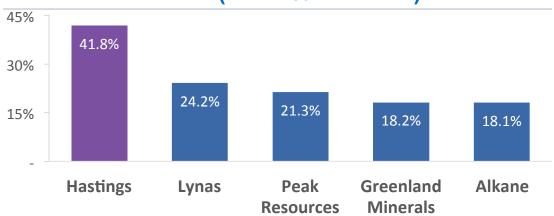
Source: Asian Metal as at 18 May 2018, Company announcements.

Market Comparison (non-China)

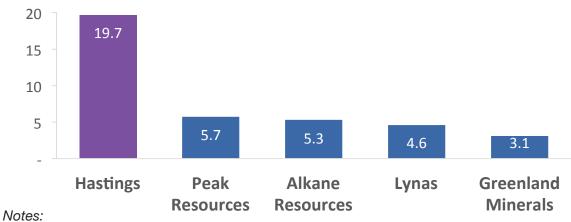


Key Statistics

NdPr Enrichment (NdPr % of TREO)



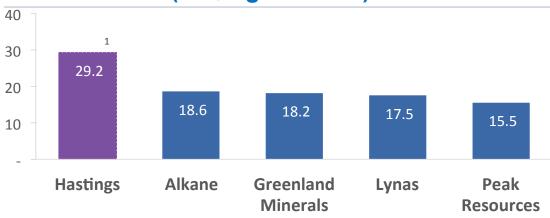
Operating Margin (US\$/kg of TREO produced)



1. Life of mine basket price.

Source: Asian Metal as at 18 May 2018, Company announcements.

Basket Value (US\$/kg of TREO)



Capital Intensity (US\$/kg NdPr p.a.)



The Yangibana Process and Product



From Mining to Mixed Rare Earth Carbonate (MREC)

Successful Beneficiation and Hydrometallurgy pilot plan test-work proves simple and effective production process flow sheet.

1m t.p.a. mined

30 - 40k t.p.a. Beneficiated Concentrate

~15,000 t.p.a. MREC = ~8,500 t.p.a. REO

MINING

- Open pit contract mining @ rate of 1m t.p.a.
- Total JORC Resource ~
 21m tonnes
- In-ground Total Rare Earth Oxides (TREO) Grade ~ 1.17%



* ASX release: 22-Nov-2017

BENEFICIATION

- Upgrade TREO more than 20x from ore to Beneficiated concentrate
- Pilot Plant achieved 23%
 TREO concentrate
- Post-pilot optimisation -27% TREO at 85%



* ASX release: 20-Mar-2017

HYDROMETALLURGY

- Acid bake, water leach, impurity removal & RE carbonate precipitation
- TREO recovery rates in final MREC =/> lab results
- Produced Samples for offtake customers testing



* ASX release: 22-May-2017

MREC

- Up to 43% Nd-Pr portion of TREO in MREC
- Removed impurities to acceptable product specifications
- Sale of MREC



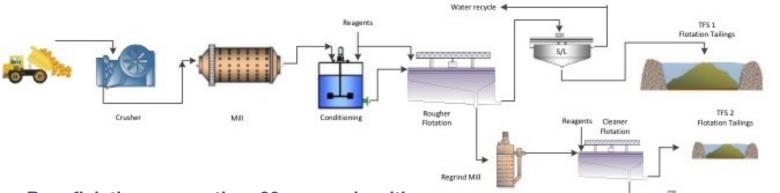
* ASX release: 22-May-2017

^{*} See Company ASX releases for additional information on all processes.

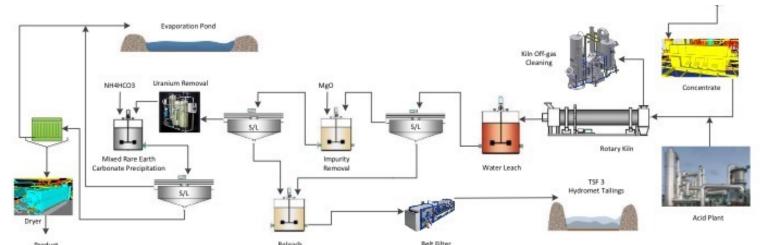
Yangibana Flowsheet



Pilot test work at ALS and ANSTO confirms production process



- Beneficiation more than 20x upgrade with 85% Nd-Pr recovery at optimum conditions
- Hydrometallurgy 41% Nd-Pr content in the Yangibana MREC





Flotation Pilot Plant Operation at ALS, Perth



Final flotation concentrate from beneficiation pilot

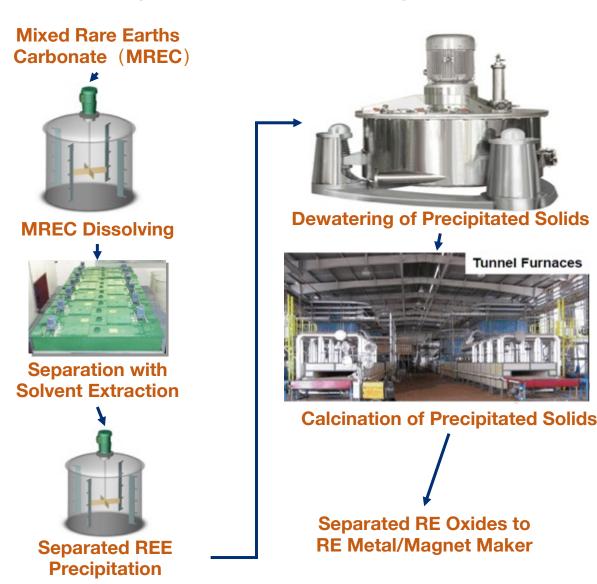


Neutralisation & Precipitation Circuit – Hydromet - ANSTO

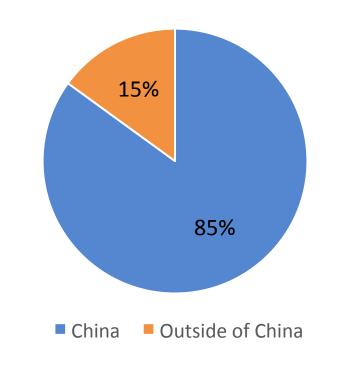
Downstream Toll Treatment by Customers



Estimated Tolling cost USD 2.50/kg (based on 15,000 tons MREC)



Global Separation Capacity

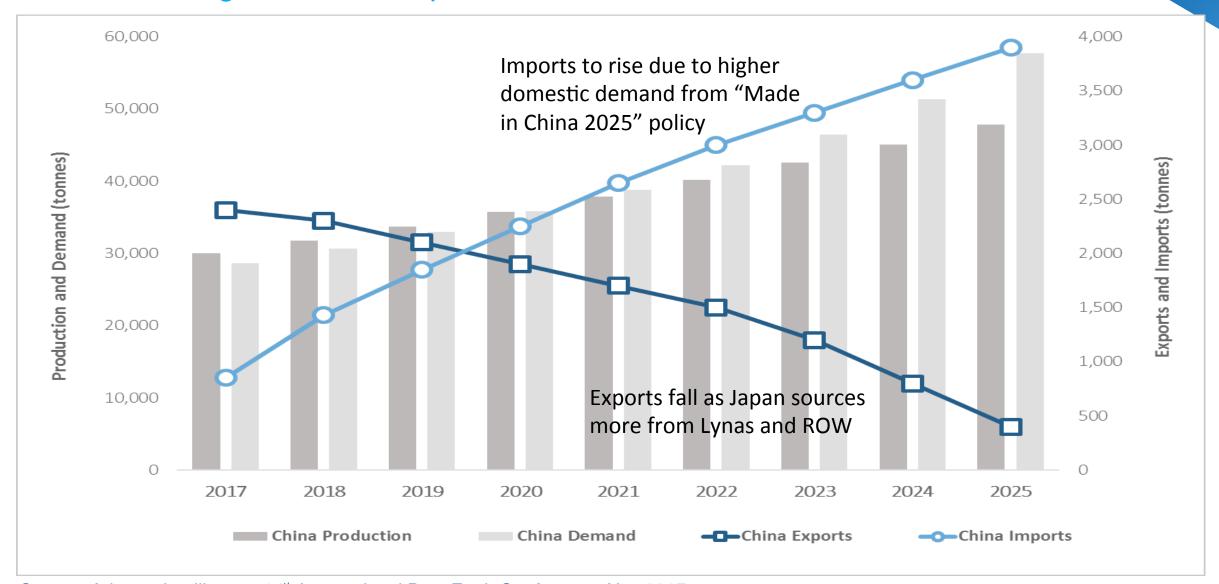


Excess Separation capacity exist outside of China includes the separators in Malaysia, India, Vietnam, Kazakhstan/eastern EU, etc.

Global Nd-Pr Oxide Supply Demand 2017 - 2025



Possible shortage - crossover point in 2020



Made in China 2025 Policy – Implications



Do they have enough NdPr to meet ROW demand?

- EV technology and production China wants to be world leader
 - √750K EVs in 2017 to ~8M by 2025
- Supply Constraints due to eliminating illegal production
 - ✓ Export Quotas and Taxes/Royalties (to fund environment clean up)
 - ✓ Environmental legislation strong commitment to enforcement
 - ✓ Industry consolidation & vertical integration by 6 SOE producers
 - ✓ Establish a rare earths certification system part of ISO commitment
- RE mining quota increased: 2018 1H 73.5K (FY 147K) vs 2017FY 105K tonnes
- China leads in global renewable energy investment with USD126bn

Global Demand Growth for Permanent Magnets



CAGR 2017 – 2022 is ~ 9%

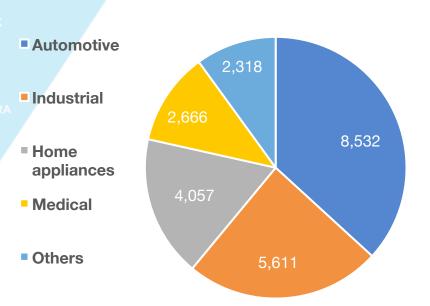
Application	2016 USDm	2017 USDm	2022 USDm	CAGR% 2017–2022
Consumer electronics	1,933.9	2,090.8	3,078.0	8.0
Electric motors	1,888.9	2,074.6	3,287.3	9.6
Sonic equipment, magnetic sensors, actuators and transducers	1,131.8	1,228.5	1,846.8	8.5
Medical devices	951.9	1,025.1	1,514.4	8.1
Generators	914.5	984.4	1,514.4	9.0
Others	674.7	732.2	1,071.0	7.9
TOTAL	7,495.7	8,135.6	12,311.9	8.6

NdFeB magnets offer the best power to cost ratio

•	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Materials	Average Price (\$/lb.)	Average Max. Energy Product (MGOe)	\$/MGOe
Hard Ferrite	2.0	3.5	N/A
NdFeB	75.0	30.0	2.3
Samarium-Cobalt	162.0	22.0	7.4
AlNiCo	27.0	8.0	3.4

Source: BCC Research: Magnets and Magnet Materials: Global Markets Oct 2017.

Global Market for Permanent Magnets - by Industry 2022 (USD m)



Early Works Programme

Commenced Q2 2018





Bulk earthworks contracts scope developed and work to start in April



240 room
Accomodation
village fabricaton
started in May,
completion by
year end



Civil engineering
design being
finalised for:
•Access roads
•Village areas
•Laydown pad for
core and Sample
prep yard



Establised an Owners Team

FEED + EPCM for project construction to completion

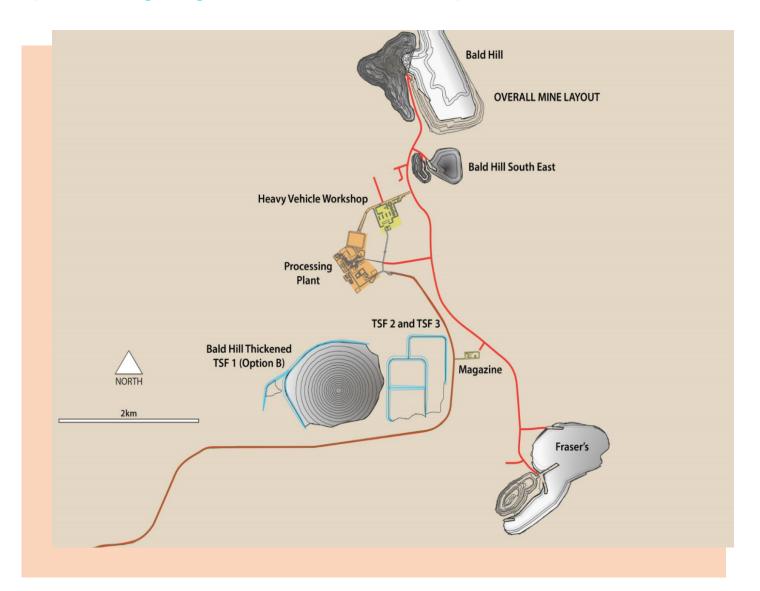


Order Critical Path Long lead time items ie. Rotary Kiln, Sulphuric Acid Plant, SAG mill

Overall Mine Layout



Optimising logistics between deposits

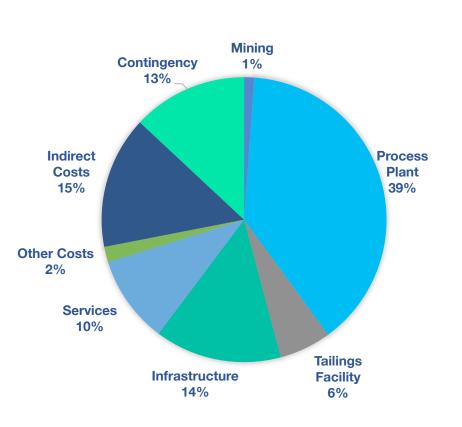


- Mining by conventional drill and blast
- Pit optimisations were completed to determine the economic mining limits for each deposit
- Waste dumps located to minimise haulage distances
- Mining schedule based on value creation and waste reduction
- Water supply sourced from borefield near to process plant

DFS Capital Cost A\$335m



An improvement of 20% from PFS



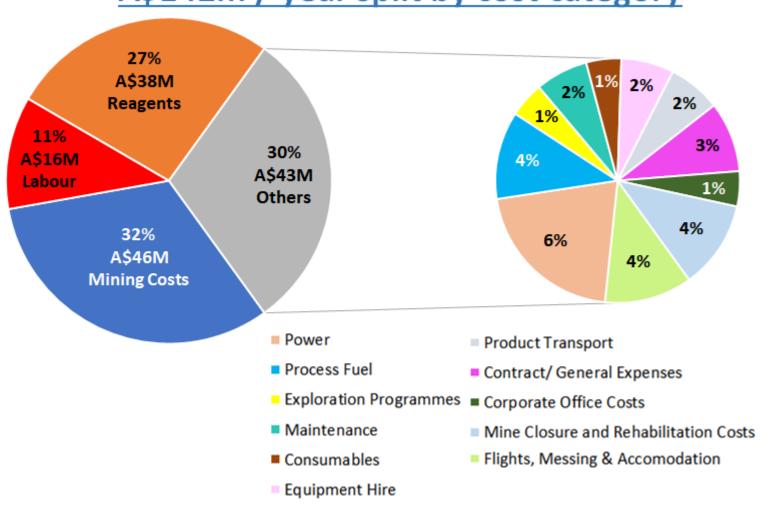
Cost Centre	A\$ Million	Cost Centre	A Million	\$
Process Plant	\$130.2	Non Process Infrastructure	\$105.1	
Crushing and Screening	3.6	Mine Infrastructure	3.9	
Grinding	14.1	TSF 1,2 and 3	19.5	
Flotation	27.0	Evaporation Pond	0.3	
Beneficiation	4.1	Accommodation Village	14.6	
Hydrometallurgy	50.9	Roads	22.3	
Hydrometallurgy Reagents	8.1	Air strip	1.6	
Reagents Plants	19.7	Plant / Mining Buildings	9.8	
Pipe Racks	2.7	Water Supply	9.2	
		Power Supply	17.0	
		ICT	0.9	
Cost Centre	A\$ Million	Other Services	6.2	
Indirect Costs	\$56.3			
Spares & First Fills	5.9	Contingency	43.7	
EPCM Costs	37.6			
Owners Costs / Pre Production	7.9			
Vendor Support / Commissioning	3.6			
Project Insurances	1.2	Total Pre-Production CAPEX	\$335.3	

DFS Operating Cost A\$17.06/kg (US\$13.00/kg) of TREO



An improvement of 30% from PFS





May 2018 MREC Basket Price USD29.20/kg vs DFS of USD 30.50/kg¹

Post-DFS Opex Costs estimate increase to USD15.00/kg vs DFS Opex of USD13.00/kg¹

Expect rise in Opex due to pick up in activity in resource sector

Financing costs, etc. ~USD3.00/kg

Separation costs: USD2.50 – 3.00/kg

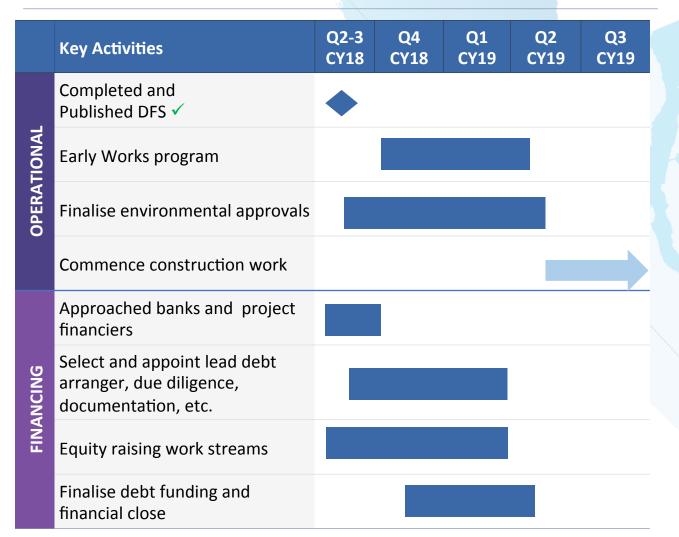
Estimated profit margin USD8/kg ~ 25% profit margin

Development plan 2H2018 onwards



Further in-fill drilling, FEED, early infrastructure work and financing negotiations targeted to secure financial close in 1Q 2019

Timetable



Funding Options

- Project Finance Funding:
 - ✓ Debt 65%: 35% Equity
- Senior & subordinated debt funding, including:
 - ✓ Commercial banks
 - ✓ Export Credit Agencies e.g. Euler Hermes
 - ✓ Government (OECD) loan guarantee schemes e.g. UfK
 - ✓ Australian Government funded loan agencies e.g. NAIF, CEFC
- Working capital financing and trade lines
- Cash as @ 31 March 2018 ~A\$24.5m

Timetable to Production





Milestones to production by Q1/Q2 2020

PROJECT IMPLEMENTATION SCHEDULE FOR YANGIBANA RARE EARTHS PROJECT

PROJECT IIVIPLEIVIENTATION SCHEDULE FOR TANGIDANA RA												2044							2020									
	203	17		2018				2019									2020											
Activities	N	D	J	F	M	A	M	J	J	A S	6 C	N	D	J	F	M	Α	M	J J	Α	S	0	N	D	J	F	M A	M
Definitive Feasibility Study (DFS)																												
Permitting & Approvals																												
Design for Access Road & Bulk Earthwork for Accom Camp																												
Construct Access Road & Accomodation Camp																												
Basic Engineering Design (BED)																												
Detailed Engineering																												
Procure Long Lead Equipment - Rotary Kiln																												
Procure Long Lead Equipment - Sulphuric Acid Plant																												
Procurement (other equipment & bulk material)																												
Off-site fabrication of major steelwork and equipment																												
On-site production plant construction																												
Commissioning																												
Commercial Production starts																												
																								٦				



Critical Path

Board of Directors



Experienced Directors and Management Team



Guy Robertson
Finance Director &
Company Secretary

- 30+ years CFO experience
- CFO for various ASX listed junior mining companies
- Senior finance executive in Jardine Matheson Group in Hong Kong and Australia including Jardine Lloyd Thompson, Colliers Jardine, and Franklins Limited



Charles Lew Executive Chairman

- Corporate Finance Director HG Asia Securities 1990 - 1997
- MD of ABN Amro Investment Bank Singapore 1997 - 2000
- Independent Director of RHB Banking Group 2004 - 2016
- 30+ years experience in investment banking in London (HSBC & Robert Fleming) and in Singapore
- Private investor and entrepreneur in F&B, real estate, financial services, etc



Jean Claude Steinmetz

Non-Exec. Director /

Commercial Director

- Previously Chief Operating
 Officer for Lynas Corporation
- 25+ years Involved in the chemical industry with Rhodia and General Electric
- Chairman of the Auto Plastic and Innovative Materials Committee of Sino-EU Chemical Manufacturers Association

Management Team

HASTINGS Technology Metals Limited

In depth experience and specialised skills



Andy Border
General Manager Exploration

- 40+ years experience as a geologist
- Rare earths, copper, gold and industrial minerals
- Recent roles include Exploration Manager, COO and MD of a number of ASX-listed companies with projects in Australia and elsewhere



Stefan Wolmarans Chief Operating Officer

- 20 years experience in planning & management of mining projects including non-process mine infrastructure, municipal, commercial and industrial projects in Australia and Africa.
- Study Leader responsible for delivering the Yangibana Project DFS (on secondment from Wave)
- Chartered professional engineer (CPEng:Civil) Australia; Registered Professional Engineer (RPEQ) in Queensland



Hannes Zandberg
Project Director

- 30 years experience in mining, metallurgy, chemical refinery, infrastructure, power generation and advanced control systems; 10 years in operations and 20 years in projects
- Area Manager SNC-Lavalin Project Services, Project Director - Dundee Precious Metals, Engineering Manager – Moly Mines



Robin Zhang
Process Engineering Manager

- 20+ years experience in R&D, project engineering, plant commissioning & operations
- 8 years at Lynas Corporation -Senior Technical Services & Project Development Manager
- 11 years with Gansu Rare Earth Group, China - Deputy Director of Technical Centre

Summary





- Experienced management team with rare earth production experience
- Definitive Feasibility Study (DFS) completed Nov 2017
- Off-take MOUs signed with Thyssenkrupp, Germany and 3 Chinese RE producers
- Native Title Agreement signed
- Mining Lease granted for 21 yrs since March 2016



- MREC with 41% NdPr content
- Basket price (May 2018): USD29.20/kg
- Mine construction 1Q 2019
 Production Q2 2020
- Probable Ore Reserves 5.15m tonnes + ~ 2.5m tonnes 3Q'18
- Target Total Reserves: 10MT by 1Q 2019
- JORC Resource Estimate currently @ 21.0m tonnes



- Market Cap A\$200m
- NPV A\$466m
- IRR 78%
- EBITDA payback 2.3yrs
- Cash at A\$25m; No debt
- Pre-tax profits margin (est) USD8/kg
- IIR Research May 2018 -Target Share Price 60c

Thank you. **Q & A**