

ASX Announcement 11 December 2020

Retraction and Clarification of AGM & Investor Presentation

Magnetite Mines Limited (ASX: MGT) (**Company**) refers to the announcements on 27 November 2020 in relation to the Presentation to the 2020 AGM (**AGM Presentation**) and on 1 December 2020 in relation to Presentation to the Global Iron Ore and Steel Industry (**Investor Presentation**).

On 4 December 2020, Mr Chris Hesford, Geologist, Listing Compliance (Perth) of the ASX advised the Company that certain slides need to be retracted or clarified in the AGM Presentation (slides 6, 12, and 13) and in the Investor Presentation (slide 11 which is the same as slide 13 of the AGM presentation).

The Company formally retracts the specific slides mentioned above because of the following reasons provided by the ASX:

- The Company does not have a reasonable basis for reporting the forecast financial information;
- The production target and forecast financial information were not reported by the Company in accordance with ASX listing rules 5.16 and 5.17 and the information does not comply with the requirement under the Corporations Act that statements regarding prospective financial information be based on 'reasonable grounds';
- The comparison between the Company and various other companies at more advanced stages of development and production is not appropriate;
- The quality comparison data is not directly comparable; and
- Investors should not rely upon the retracted information for any investment decision regarding the Company.

Updated versions of the relevant presentations omitting the relevant slides are attached.

The Company confirms that this announcement has been approved and authorised for release by the Board.

For further information contact:

Mr Peter Schubert – Executive Director Executive Chairman +61 416 375 346

MAGNETITE MINES LIMITED High Grade Iron Ore Concentrate

2020 ANNUAL GENERAL MEETING



DISCLAIMER

Important Notice

The purpose of this presentation is to provide general information about Magnetite Mines Limited ("MGT"). It is not recommended that any person makes any investment decision in relation to MGT based on this presentation. This presentation contains certain statements which may constitute "forward-looking statements". Such statements are only predictions and are subject to inherent risks and uncertainties which could cause actual values, results, performance or achievements to differ materially from those expressed, implied or projected in any forward-looking statements.

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Additional Information

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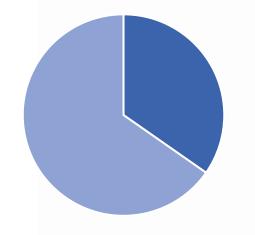


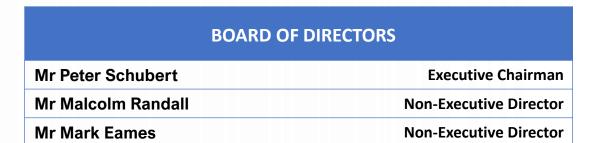
CORPORATE OVERVIEW

CAPITAL STRUCTURE									
Shares	м	2,856							
Options	м	79							
Quoted Options	м	470							
Share price (25 Nov 2020)	A\$	\$0.01							
Market Capitalisation (25 Nov 2020)	A\$	\$29m							
Cash (25 Nov 2020)	Α\$	\$5.355m							

SHARE PRICE (1 Year) Chart generated on 24/11/2020 at 12:17 pm 🔳 mgt <u>∧</u> 0.010 0.000 December February March August September October November January April 2019 2020 Volume 200M 100M

SHAREHOLDER SNAPSHOT







2020 – DELIVERING THE PLAN FOR A STAGED, SCALEABLE DEVELOPMENT

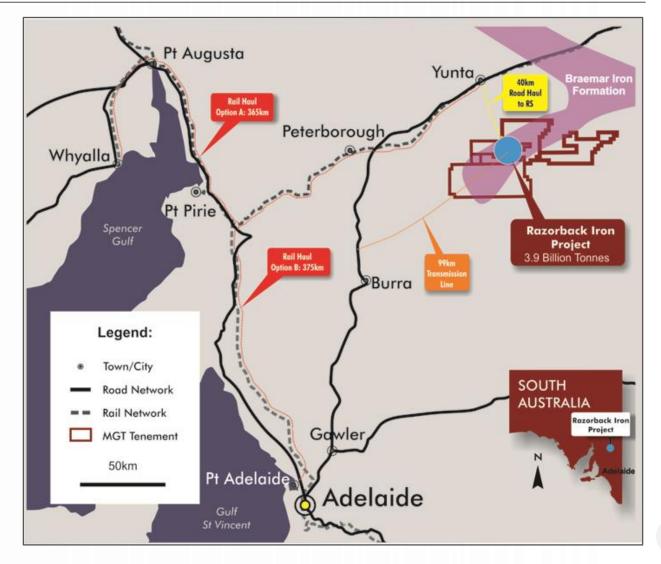
- Successful, shareholder centred capital raises PFS fully funded¹
- Assembling a team of experienced experts to deliver optimum results⁸
- PFS underway and already delivering technical and economic breakthroughs⁸
- Ore sorting technology advanced agreement signed for sensor delivery, locking in 4 year exclusivity Australia wide²
- New geological interpretation based on geophysics, opening up potential for selective mining and higher head grades³
- High resolution metallurgical testwork refining geometallurgical inputs
- Detailed water investigations based on past groundwater test delivering borefield design⁴
- Port, rail and power discussions generating options
- Environmental studies commenced⁴



TAKING ADVANTAGE OF FAVOURABLE GEOGRAPHY

Location advantages:

- 240km NE of Adelaide within the Braemar Iron Formation
- Close to grid power, rail, port and groundwater⁷





PLAN TO LEVERAGE SCALE, LOCATION AND OPPORTUNITY TO DELIVER VALUE

Large resource in favourable geography

- JORC resource 3.9 billion tonnes global resource (Inferred and Indicated)⁵
- Amenable to simple processing to high grade product targeting 68.5%
 Fe, 6.5% Fe higher than the benchmark grade of 62%^{6,7}
- Existing infrastructure
 - Two operational iron ore exporting ports with existing open access rail links⁷
 - SE Australian grid power within 100km⁷
- Robust iron ore market
 - Strong demand driven by strength in global steel production
 - Major producers facing range of constraints, resulting in strong prices

The key to unlocking value is to systematically deliver a pathway to a low capital, long life mine delivering a premium product to market



HIGH GRADE FINES – MATERIAL PREMIUM AND STABLE PRICING

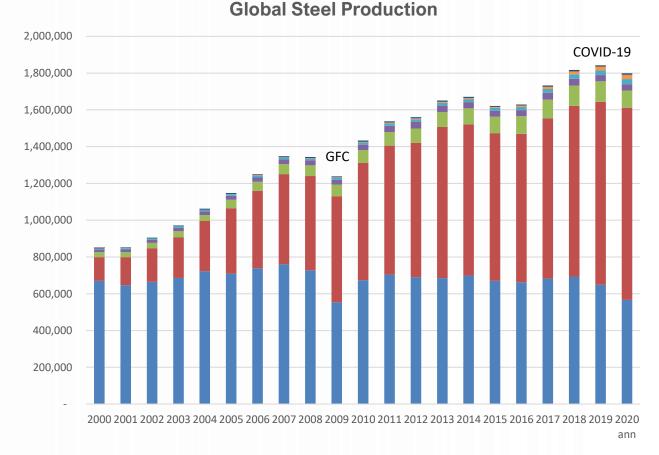
- A year ago, we highlighted that Chinese steel production at record levels with iron imports lagging
- 62% pricing has increased by around 40% since then
- Grade premiums in \$/% Fe are at ~US\$4 per % (have been as high as US\$7 per % Fe) – for 68.5% product suggests pricing at a US\$26 premium
- In the last 3 years there has only been 3 months when the 65%Fe price fell below US\$80/t





GLOBAL STEEL PRODUCTION INCREASING OVER 20 YEARS

- Global steel production has been growing rapidly
- China has added 400Mtpa in 10 years, but is not alone – India, Iran and Vietnam have added 60Mtpa
- The rest of the world, other than GFC/COVID effects, has been stable over 20 years
- Since 2015, China has added 240Mtpa steel production – equivalent to 380Mtpa more iron ore demand



■ ROW ■ China ■ India ■ Turkey ■ Iran ■ Vietnam ■ Egypt



CHINA'S STEEL PRODUCTION AND IRON ORE IMPORTS ARE STRONG

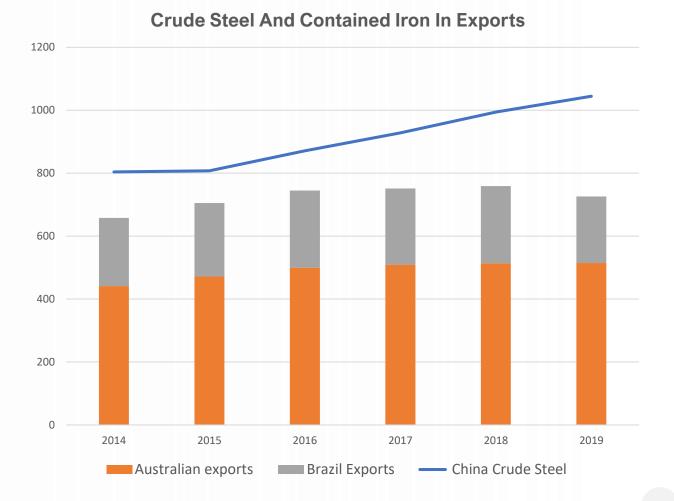
- China's annual crude steel production for 2019 was a record, just short of 1 Bt
- Chinese steel production has continued to increase despite COVID19
- Iron ore imports have been increasing rapidly





BUT IRON ORE SUPPLY IS NOT KEEPING UP WITH DEMAND

- Despite substantial increases in steel production and iron ore demand, the traditional sources of supply have been slow to expand
- Africa is the major potential new source but requires major infrastructure investment and has shown little tangible progress despite two decades of work
- "commodity intelligence firm CRU found development of Guinea's Simandou iron ore province would have little impact on Australia's market share and there remained a "material" chance Guinea would never ship any iron ore to China." (AFR 3 /9/2020)





ATTRACTIVE, STAGED DEVELOPMENT PATHWAY FOCUSSED ON CAPITAL EFFICIENCY

- Strong iron ore demand, premiums for high grade products and limited new supply provide a favourable environment for Razorback
- We believe that a relatively low capital, long life development of the large Razorback resource offers outstanding returns with future expansion options ⁷
- Our attractive location offers world class infrastructure and a favourable mining jurisdiction⁷
- We are combining an experienced team, a systematic approach, new evaluation/processing technology and innovative extraction methods to deliver an attractive development⁸



PRE-FEASIBILITY STUDY UNDERWAY

- The PFS fully funded and work is well underway^{1,8}
- It builds on and improves prior work completed for the 2019 Scoping Study⁷
- In house team supported by external technical experts low overhead approach⁸
- Focus is on maximising shareholder returns and derisking





ASSEMBLING AN EXPERIENCED STUDY TEAM AND DEVELOPING DELIVERY RELATIONSHIPS



Mark Eames – Technical Director Mr Eames has a successful track record in the global minerals industry in exploration. evaluation, development, acquisitions, operations, marketing and senior corporate management. He is a gualified metallurgist with extensive experience in Australia and overseas and has held senior roles working with the iron ore businesses of Glencore. Rio Tinto and BHP.



Stephen Weir B.Eng Hons (Mech), Grad Dip. Appl. Fin. SIA - Chief Development Officer Most recently Stephen was Managing Director at RFC Ambrian where he provided corporate finance advice over a twenty year period to clients in the mining and energy sectors. Prior to that his career spans construction management of high-speed bulk material handling equipment, minerals and coal processing (John Holland). Project management of technology introduction. Equipment and Industrial Services (Brambles) and Project Finance (Bankers Trust).



Trevor Thomas MEarthSci (Geology), MAIG, MAUSIMM - General Manager (Geology) Trevor has been employed on the Magnetite Mines Limited's Razorback Iron Project since 2010. Prior to that he began his geological career in uranium and gold commodities. He has extensive experience in the resource development of magnetite iron ore deposits and was recently involved in the project management of the Razorback Iron Project Scoping Study.

DR. RICHARD

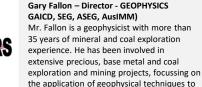
PECK

ΗΔΤCΗ



Kerry Whitby - MD - GEOLOGY B.Sc. (Geology), F.AusIMM, M.AIG, M.GSA, M.MICA

has 50 years' experience in exploration and development of stratiform deposits including coal and iron ore.



operating mines.

Mr. Whitby, a specialist consultant geologist

masters degree in Mineral Economics. Jon JONATHAN has 40 years experience in the mining industry in both Metalliferous and Sedimentary deposits. Jon has a NSW restricted Mine Managers Ticket and extensive experience in the software

Industry.



Ecologogical Australia - Jasmine Richards Sen. Environmental Consultant SA Ms. Richards is a Senior Environmental Consultant and ELA's Adelaide Office Manager with over 13 years experience specialising in regulatory approvals, mine closure planning, environmental management and stakeholder engagement within the resources industry.

Richard Harmsworth - Consultant - GEOLOGY

Mr Harmsworth was Chief Geologist for Rio Tinto's Hamersley Iron operations ion the Pilbara in the 1980's and later worked in their Resource Development and New Business groups. He was subsequently Chief Geologist for Sphere Minerals Limited for their magnetite exploration and development programs in Northern Mauritania.

Dr. Richard Peck - PROCESSING

A mineral processing engineer with over 30 year's international experience in operations, design and commissioning of various mineral processing plant

Hatch – PROCESSING

Hatch is a global multidisciplinary management, engineering and development consultancy. Its group companies have more than 9,000 staff in 70+ offices. Hatch provides consulting, operations support, technologies, process design, and project and construction management to clients in three principal sectors: mining and metals; energy; and infrastructure.

BARBER

Mr Beal is an experienced engineer and has a passion for supporting the growth and commercialization of innovative companies in mining.

Chris Beal – CEO – ORE SORTING

Jon Barber Mining Consultants - MINING

Mr. Barber is a Mining Engineer with a

RH



NEXTORE – 4 YEAR EXCLUSIVITY AUSTRALIA WIDE

- Agreement with NextOre for supply of a full-scale mobile ore sorting plant for the Razorback Project for sorting magnetite ore using MR technology, with equipment despatch from the CSIRO Lucas Heights facility in 2021⁹
- Exclusive use of NextOre's MR technology for any magnetite processing applications Australia-wide and all iron ore applications in the Braemar (including NSW) for a period of 4 years²
- Mr Chris Beal, CEO of NextOre said, "We are enthusiastic supporters of Magnetite Mines' vision of unlocking the vast resources in South Australia's Braemar region. Their disciplined approach, which leverages emerging technologies with well-established mining methodologies, is a testament to the team's knowledge and experience in the field...I am thrilled that NextOre can contribute to this transformative project and I look forward to jointly developing Australia's reputation as a global leader in green resource extraction."



"Magnetite Mines methodology of carefully integrating mine and mill activities speaks strongly to the ability to generate the maximum value from bulk ore sorting solution. I am thrilled that NextOre can contribute to this transformative project and I look forward to jointly developing Australia's reputation as a global leader in green resource extract

CHRIS BEAL

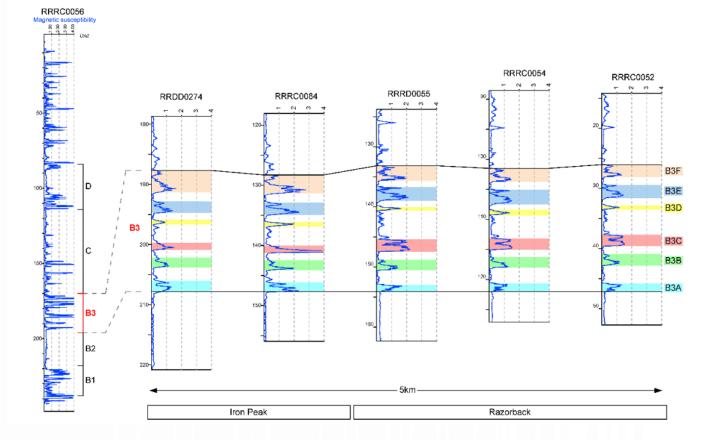
CEO OF NEXTORE





NEW GEOLOGICAL INTERPRETATION

- Extensive drilling has resulted in a comprehensive database, core library and geophysical logs³
- We have used this extensive information to build a new orebody model that allows a new interpretation of the grade distribution and enables detailed evaluation of selective mining options
- Geophysical logging data has allowed discrete high grade horizons to be traced over kilometres of strike length
- Ability to trace mineralisation lends the deposit to potential selective mining scenario

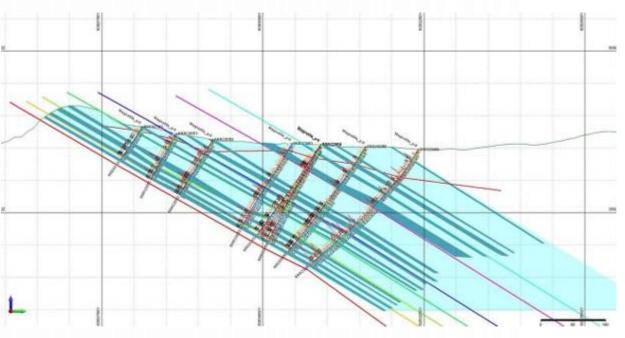


Lateral continuity of mineralisation forming discrete layers as defined by down-hole geophysics, potentially amenable to selective mining



SELECTIVE MINING

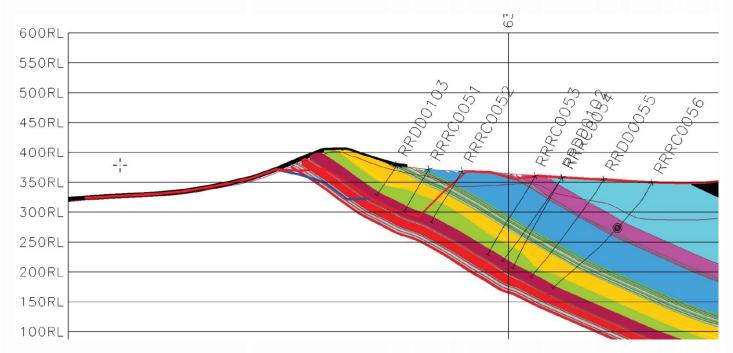
- Selective mining identified as potential optimisation during 2019 Scoping Study⁷
- Razorback iron deposit well suited to selective mining given layered stratigraphy and mineralisation
- MBGS completed qualitative study, followed by geological modelling of the resource using Minex software³
- Higher plant feed grades gives higher tonnage of ore produced compared to equivalent bulk mining and processing scenario, resulting in more ore and less tailings, improving capital efficiency
- Now reviewing mining strategies and optimisation to aimed at substantially improving head grade by preferentially recovering horizons of high grade mineralisation for processing





METALLURGICAL INVESTIGATIONS

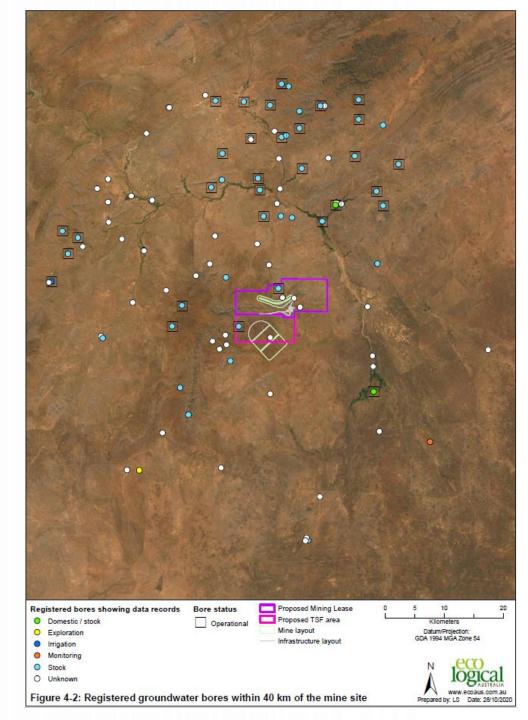
- High resolution testwork has confirmed the stratabound nature of mineralisation i.e. mineralisation is contained within discrete, traceable layers – not disseminated mineralisation³
- Hatch is currently undertaking a metallurgical review of the Razorback Iron Project
- Considerable testwork undertaken in past studies can be leveraged towards flow sheet design
- Geometallurgical investigations underway towards defining ore body variation and flow sheet development





WATER STUDIES

- ELA investigating potential prospective groundwater supply areas in close proximity to the mine site, with the aim to source a water supply that is feasible⁴
- Five preliminary target areas have been selected as potential prospective groundwater supply areas based on the geological and geophysical assessment, with two priority areas selected to the south/south-west and east of the proposed mine site
- Next steps are to evaluate water bore drilling program and pump tests to confirm the availability of water





ADVANCING INFRASTRUCTURE ACCESS

- Logistics and power options developed under the 2019 Scoping Study to be refined utilising existing infrastructure providers⁷
- Location of Razorback deposit well placed with respect to existing infrastructure
- Commercial engagement with power, port and rail providers has commenced
- ARTC open-access rail runs within 50km of the potential mine site.
- South East Australian grid power available within 100km of the mine site



ENVIRONMENT AND PERMITTING

 Ecological Australia have been engaged to initiate baseline environmental studies and have provided an approval pathway⁴

Key activities

- Baseline studies (incl, heritage, flora, fauna, water etc.)
- Environmental impact assessment study (incl. water, ecology, social, air)
- Consultation with SA regulators (assuming no Fed. Govt. approval under the Environment Protection and Biodiversity Act required)
- Preparation of MLP (Mining Lease Proposal)
- Preparation of PEPR (Program for Environment Protection and Rehabilitation), on granting of MLP
- MLP and PEPR assessment and secondary approvals (water licensing etc.)

Schedule

- Current schedule consistent with 'first ore on ship' during 2024 (subject to studies and finance)
- 2021 activities include baseline studies, water supply studies and indigenous stakeholder engagement





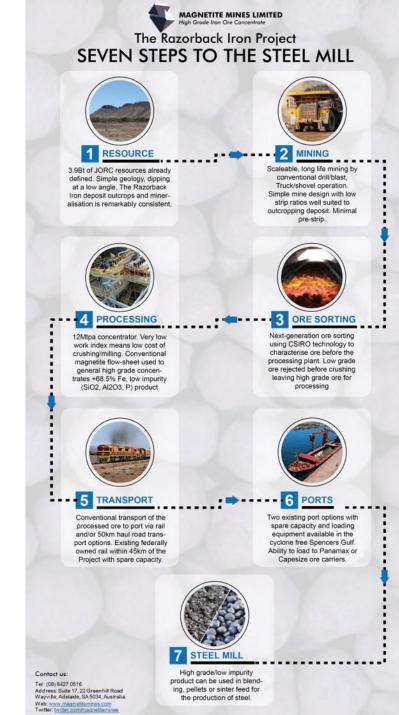
INDICATIVE DEVELOPMENT SCHEDULE

	2020		2021			2022			2023				2024							
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PFS (excl drilling/met testing)																				
Bulk Ore Sorting Trial																				
DFS Funding																				
DFS Study																				
Decision to Mine																				
Project Funding											*									
Permitting, Enviro. and Native Title												X								
Design																				
Procure																				
Construction and Commissioning																				
Commence Production																				
																				7



2021 – SHAPING UP FOR PRODUCTION

- Refine geological model including weathering profile and potential drill targets, firm up JORC selective mining resource
- Complete selective mining design/optimisation and prepare for ore sorting trial
- Undertake metallurgical investigations and optimise processing plant design and costs
- Test groundwater targets and generate borefield design
- Advance environmental and permitting work
- Release PFS
- Prepare for DFS and construction planning
- Product marketing work





THE MGT VALUE PROPOSITION

Five Key Advantages of the Razorback Iron Project

- 1. Globally significant iron ore resource in low sovereign-risk jurisdiction
- 2. Open-access to existing port, road, rail and power infrastructure⁷
- 3. Conventional processing/beneficiation flowsheet with technology upside⁷
- 4. Low enterprise value/resource tonne
- 5. Strong belief that the study work next year will be a transformational catalyst for further growth and re-rating



References – ASX Releases

- 1. 2/10/2020 Results Of Renounceable Rights Issue
- 2. 7/10/2020 Ore Sorting Technology Agreement Update
- 3. 19/08/2020 Selective Mining
- 4. 14/09/2020 Permitting And Environmental Studies Initiated
- 5. 12/11/2020 Razorback Iron Project JORC 2012 Resource Update & 20/11/2020 Ironback Hill Deposit
- 6. 13/09/2016 Metallurgical Update Positive Results
- 7. 7/11/2020 Positive Razorback Scoping Study Results
- 8. 18/06/2020 Commencement Of PFS And Appointment Of Expert Advisors
- 9. 11/12/2019 Ore Sorting Update Technical Release



MAGNETITE MINES LIMITED

High Grade Iron Ore Concentrate

Questions?

Mr Mark Eames Technical Director Magnetite Mines Limited <u>www.magnetitemines.com</u>

MAGNETITE MINES LIMITED High Grade Iron Ore Concentrate

Global Iron Ore and Steel Forecast Conference



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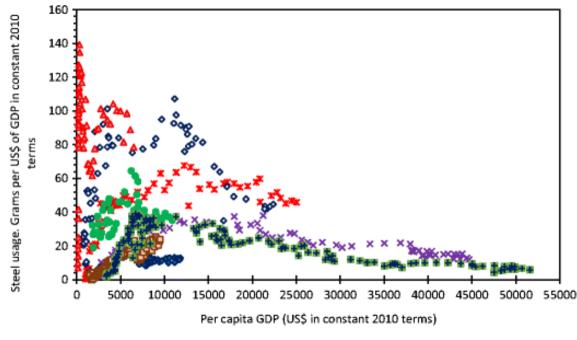
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FORECASTING DEMAND WITH STEEL INTENSITY MODELS

Steel usage versus per capita GDP



Crowson, P. Intensity of use reexamined. *Miner Econ* 31, 61–70 (2018); Open Access This article is distributed under the terms of the Creative Commons Attribution 4.0 International License

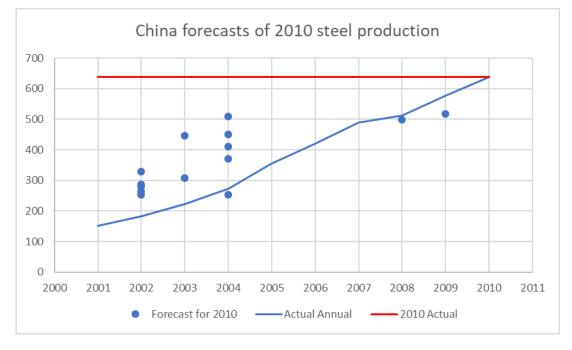
🛪 Japan 🕱 Korea 🗢 Taiwan 🗢 Brazil 🗖 Mexico 🔺 China 🔍 Malaysia 🖷 USA

- Conventional analysis suggests steel intensity increases as countries develop, peaking then plateauing ('peak steel')
- Other factors raised, such as technology, 'deintensification', recycling, environment
- But China's pathway has not proved amenable to traditional intensity or econometric tools



A RIDDLE, WRAPPED IN A MYSTERY, INSIDE AN ENIGMA?

Underestimates during the rise of China...



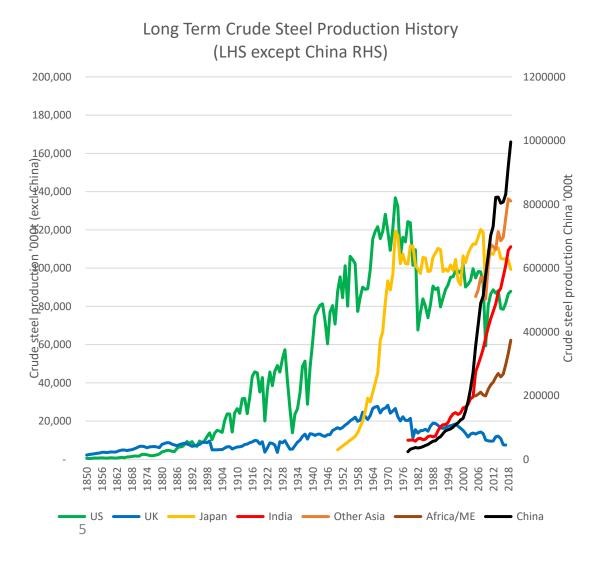
Research on China's Steel Demand Using Combined Forecast- International Journal of u- and e- Service, Science and Technology Vol.8, No.1 (2015), pp.189-200

...and premature "peak steel" estimates

- "Humans make mistakes, Chinese demand is going south." (Kirill Chuyko, BCS, AFR Nov 24 2014)
- "China's steel sector has already entered a period of peaking and flattening out." (CISA Chairman Wall Street Daily, February 2015)
- "The increasing market consensus is that China is at, or close to, reaching the maximum level of steel output and demand slipping back to just under [800Mt] from 2017 to 2020". (Morgan Stanley Reuters February 2015)
- "POSCO Research Institute predicts that China's crude steel demand will continue to decline gradually from the peak of 766Mt in 2013 to 670Mt in 2020" (Asian Steel Watch January 2016)
- "Rio Tinto ... is sticking by its widely ridiculed prediction that Chinese steel production will peak around 1Bt by 2030" (SMH Sep 3 2015)



58% OF PEOPLE MAKE UP 17% OF GLOBAL STEEL DEMAND – BUT THIS IS CHANGING



- In UK and US, peak steel was almost a century after industrialisation
- Japan flattened after 1974, 14 years after industrialisation, actual peak in 2007
- Four regions on a rapid growth path:
 - China 5y growth 21%, 1.4Bn pop
 - Other Asia 5y growth 3%, 1.8Bn pop
 - India 5y growth 27%, 1.4Bn pop
 - Africa 5y growth 13%, 1.8Bn pop



GLOBAL STEEL PRODUCTION INCREASING OVER 20 YEARS

- Global steel production has been growing rapidly
- China has added 400Mtpa in 10 years, but is not alone – India, Iran and Vietnam have added 60Mtpa
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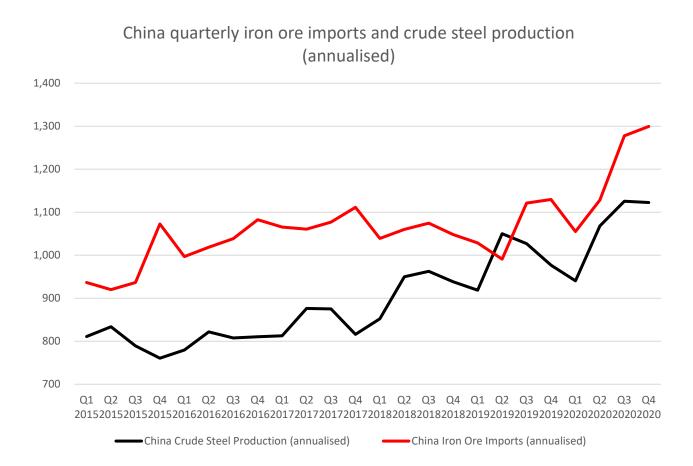


■ ROW ■ China ■ India ■ Turkey ■ Iran ■ Vietnam ■ Egypt



CHINA'S STEEL PRODUCTION AND IRON ORE IMPORTS ARE STRONG

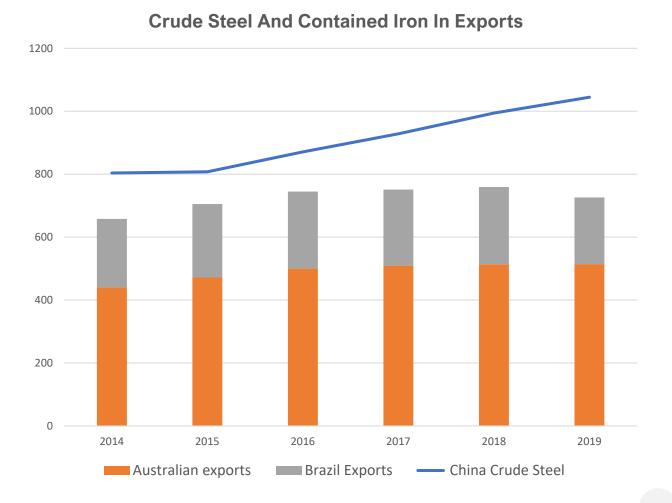
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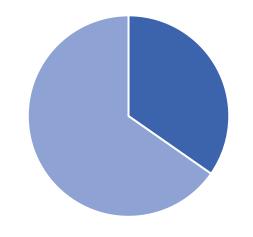
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SHARE PRICE (1 Year)



SHAREHOLDER SNAPSHOT



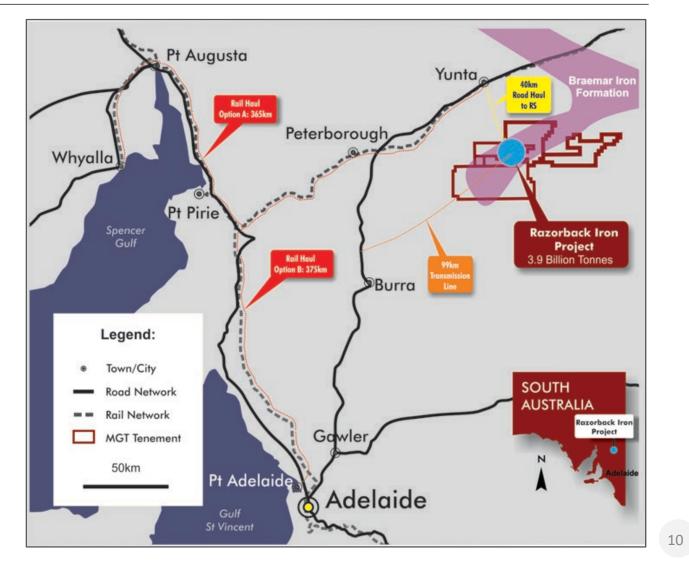
BOARD OF DIRECTORSMr Peter SchubertExecutive ChairmanMr Malcolm RandallNon-Executive DirectorMr Mark EamesNon-Executive Director



RAZORBACK IRON ORE PROJECT - TAKING ADVANTAGE OF FAVOURABLE GEOGRAPHY

Location advantages:

- 240km NE of Adelaide within the Braemar Iron Formation
- Close to grid power, rail, port and groundwater⁷





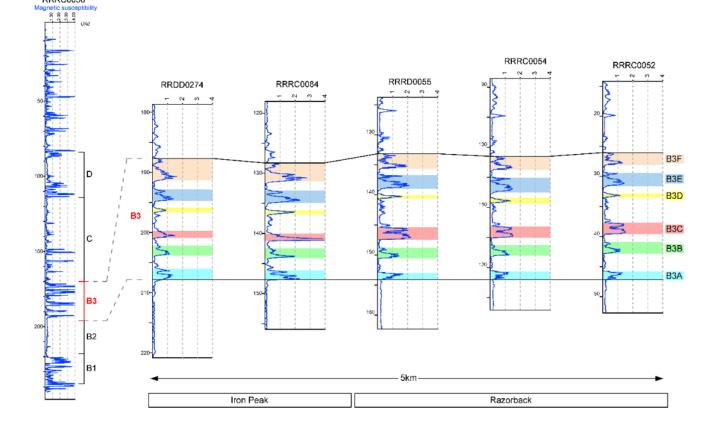
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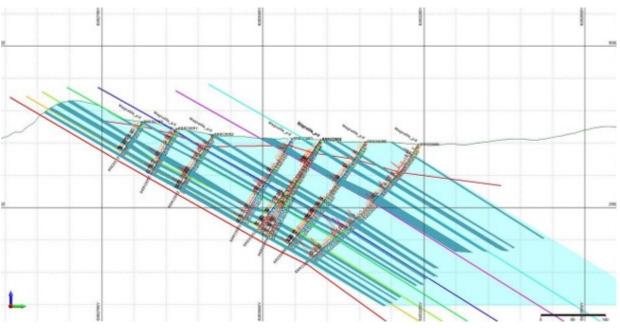


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NEXTORE – 4 YEAR EXCLUSIVITY AUSTRALIA WIDE

- Agreement with NextOre for supply of a full-scale mobile ore sorting plant for the Razorback Project for sorting magnetite ore using MR technology, with equipment despatch from the CSIRO Lucas Heights facility in 2021⁹
- Exclusive use of NextOre's MR technology for any magnetite processing applications Australia-wide and all iron ore applications in the Braemar (including NSW) for a period of 4 years²
- Mr Chris Beal, CEO of NextOre said, "We are enthusiastic supporters of Magnetite Mines' vision of unlocking the vast resources in South Australia's Braemar region. Their disciplined approach, which leverages emerging technologies with well-established mining methodologies, is a testament to the team's knowledge and experience in the field...I am thrilled that NextOre can contribute to this transformative project and I look forward to jointly developing Australia's reputation as a global leader in green resource extraction."



"Magnetite Mines methodology of carefully integrating mine and mill activities speaks strongly to the ability to generate the maximum value from bulk ore sorting solution. I am thrilled that NextOre can contribute to this transformative project and I look forward to jointly developing Australia's reputation as a global leader in green resource extract

CHRIS BEAL

CEO OF NEXTORE





PLAN TO LEVERAGE SCALE, LOCATION AND OPPORTUNITY TO DELIVER VALUE

Large resource in favourable geography

- JORC resource 3.9 billion tonnes global resource (Inferred and Indicated)⁵
- Amenable to simple processing to high grade product targeting 68.5%
 Fe, 6.5% Fe higher than the benchmark grade of 62%^{6,7}
- Existing infrastructure
 - Two operational iron ore exporting ports with existing open access rail links⁷
 - SE Australian grid power within 100km⁷
- Robust iron ore market
 - Strong demand driven by strength in global steel production
 - Major producers facing range of constraints, resulting in strong prices
- PFS fully funded and work is well underway^{1,8 -} Strong belief that this will be a transformational catalyst for further growth and re-rating



MAGNETITE MINES LIMITED

High Grade Iron Ore Concentrate

Questions?

Mr Mark Eames Director Magnetite Mines Limited <u>www.magnetitemines.com</u>



References – ASX Releases

- 1. 2/10/2020 Results Of Renounceable Rights Issue
- 2. 7/10/2020 Ore Sorting Technology Agreement Update
- 3. 19/08/2020 Selective Mining
- 4. 14/09/2020 Permitting And Environmental Studies Initiated
- 5. 12/11/2020 Razorback Iron Project JORC 2012 Resource Update & 20/11/2020 Ironback Hill Deposit
- 6. 13/09/2016 Metallurgical Update Positive Results
- 7. 7/11/2020 Positive Razorback Scoping Study Results
- 8. 18/06/2020 Commencement Of PFS And Appointment Of Expert Advisors
- 9. 11/12/2019 Ore Sorting Update Technical Release