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Premium Iron Ore

For steel sector decarbonisation

IMARC, Sydney, October 2023

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ADDITIONAL INFORMATION

This presentation should be read in conjunction with MGT's Annual Report at 30 June 2023 together with any announcements made by MGT in accordance with its continuous disclosure obligations arising under the Corporations Act 2001 (Cth). Any references to resources estimations should be read in conjunction with MGT's Mineral Resources statement for its magnetite projects at 9 February 2023 and subsequent releases to the Australian Securities Exchange as referenced.

MGT confirms that it is not aware of any new information or data that materially affects the information included in its ASX announcement made on 9 February 2023 and, in the case of estimates of mineral resources and ore reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. All amounts within this presentation are stated in Australian Dollars consistent with the functional currency of MGT, unless otherwise stated. Tables contained within this presentation may contain immaterial rounding differences.

All references used in this presentation are included on Slide 22.

ACKNOWLEDGEMENT OF COUNTRY

Magnetite Mines, our shareholders and our stakeholders acknowledge the Ngadjuri People as the Traditional Owners of the lands on which the Razorback Iron Ore Project is located. We respect their continuing custodianship of this Country, and their spiritual and cultural beliefs and practices.

Magnetite Mines (ASX:MGT)

Developing Razorback: Expansive, premium-grade iron ore project in a tier 1 location

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The Company

Focused on 100% owned Razorback Iron Ore Project

- Transformed Board & Management
- 6Bt in Resources
  2Bt in Ore Reserves[1,2,3]
- Progressing through Definitive Feasibility Study

The Opportunity

Rare, premium-grade Magnetite iron ore now needed

- Critical new supply for decarbonised 'green' steelmaking
- Currently only 3% of seaborne iron ore trade
- Forecast 200 Mtpa deficit by 2050

Steelmakers are looking now

- Project will support JV with one or more partners
- MGT data room open, due diligence underway
- Potential for DFS funding support

Supportive SA government

- 100% renewable energy on grid by 2030
- Committed to green hydrogen industry development
- Now developing 'Green Iron Strategy' for SA

Substantial re-rating potential

- Project set for long life cash generation
- Very low market cap relative to project value
- Partnering and other milestones ahead should close the gap

Corporate overview

Strengthened Board and Management with development in sights

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Market Cap

$24M

(Share price $0.32 at 30 October 2023)

Cash

$3.0M

(30 September 2023)

Shares on Issue: 76.7M

Top 20:	31%
Board & Management:	5.1%
Other shareholders:	69%

Unlisted Options: 4.6m

Unlisted Performance Rights: 0.12m

Board

Jim McKerlie Chair of the Board

BA Economics (Hons), Dip Fin Mgt, FCA, FAICD

- International CEO and public company director
- Chaired four IPOs, deep experience in tech. / energy sectors
- Former Chair of Drillsearch and Beach Energy

Simon Wandke Non-executive Director

BA Psych Mkt (Comm), GDip Corp Finance

- 40+ years mining and minerals industry experience
- Highly accomplished C-suite leader
- Former EVP and CEO of ArcelorMittal Mining

Paul White Non-executive Director

MBA, MAICD

- Background of driving organisational performance
- Former CEO of ASX-listed Brisbane Broncos
- Executive experience with Anglo American and Xstrata

Peter Schubert Non-executive Director

- Track record of developing resources sector businesses
- Magnetite Mines Executive Chairman Sep-18 to May-22
- Magnetite Mines Interim CEO Mar-21 to May-22

Dr Carmen Letton Non-executive Director

BA Min.Eng (Hons), PhD, Mineral Economics, MAusIMM

- 35+ years' global mining experience
- Former head of asset strategy development at Anglo American
- Previous senior roles at BHP, Rio Tinto, Newmont and Newcrest

Management

Tim Dobson Chief Executive Officer

BAppSc (Ext.Metallurgy), GAICD, MAusIMM

- 35 years extensive international mining experience
- Track record of operating and transforming major projects
- ASX CEO & international senior executive leadership roles

Simon Smith Chief Financial Officer

BCom, Accounting & Finance, CA

- CFO with 30+ years international experience
- Led equity and debt capital raisings of over A$500 million
- Oversaw $340m project financing of Woodlawn Zn Cu Mine

Gemma Brosnan GM – External Affairs

BA Journalism (Hons), DipInvRel (AIRA)

- Corporate communications and investor relations professional
- 20+ years extensive experience in UK & Australia.
- Commenced career as journalist with London Evening Standard.

Trevor Thomas Study Director

MEarthSci (Hons), MAIG, MAusIMM

- 14 years exploration & resource development geologist
- Lead for project management of all technical & feasibility studies
- Delivered Razorback Maiden Ore Reserve; acquired Muster Dam

Allan Kane GM – Sustainability

BEnvMgmt (Hons), GradCert ProjMgmt

- 14 years broad resources sector experience
- Lead for sustainability and corporate ESG framework
- Previous roles with SA Department for Energy and Mining

Increasing global steel demand is a certainty

Steel is critical to tackling climate change – Razorback is a supply chain critical link

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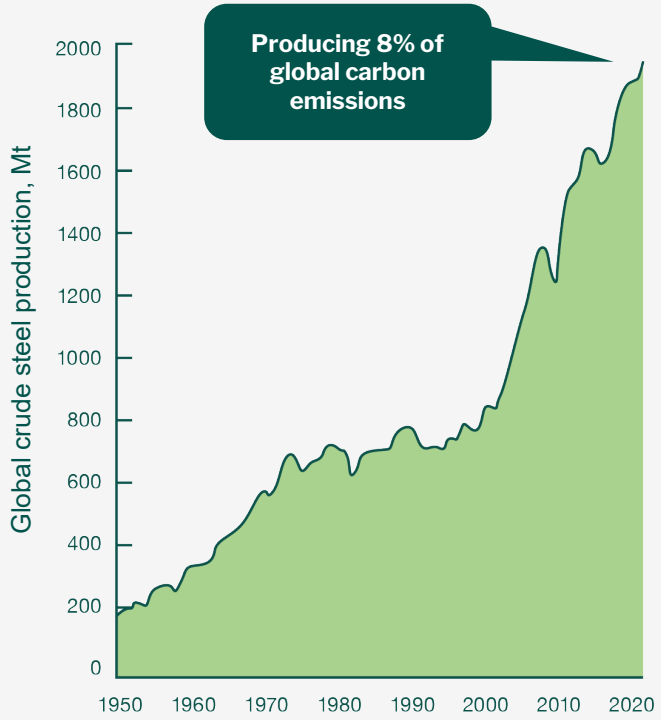
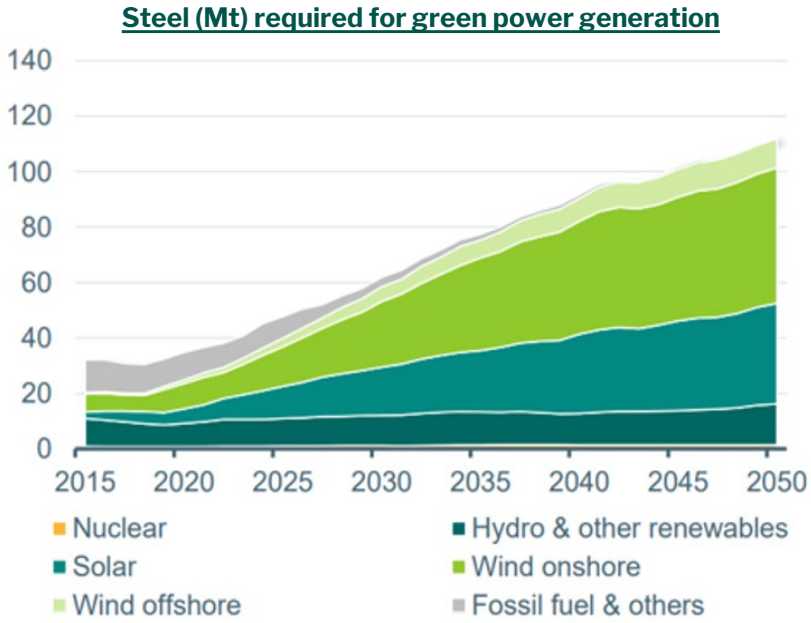
Production has doubled every 20 years since 1950 …



Source: 2022 World Steel Association

… and more steel is necessary for energy transition



Source: Ben Ellis et al, 2022 Pathways to decarbonisation episode two: steelmaking technology

Challenging decarbonisation targets have been set

Industry is now committed and seeking new high grade ore supply

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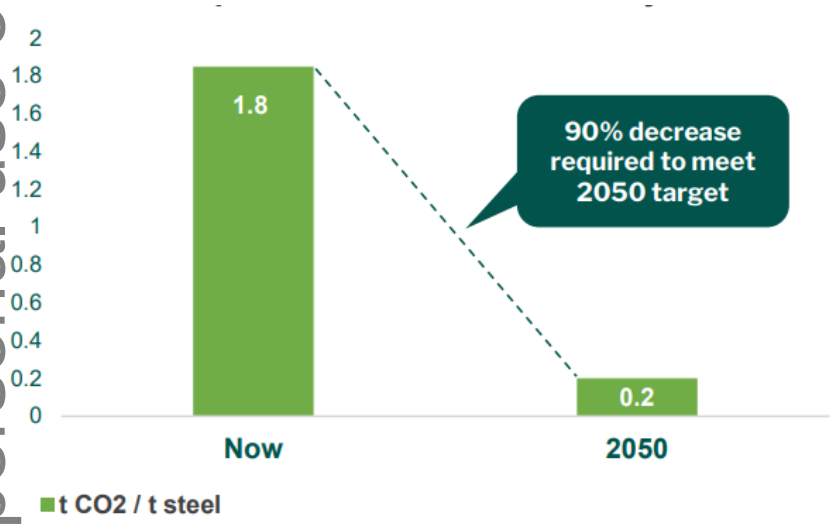
Direct emissions intensity of steel production

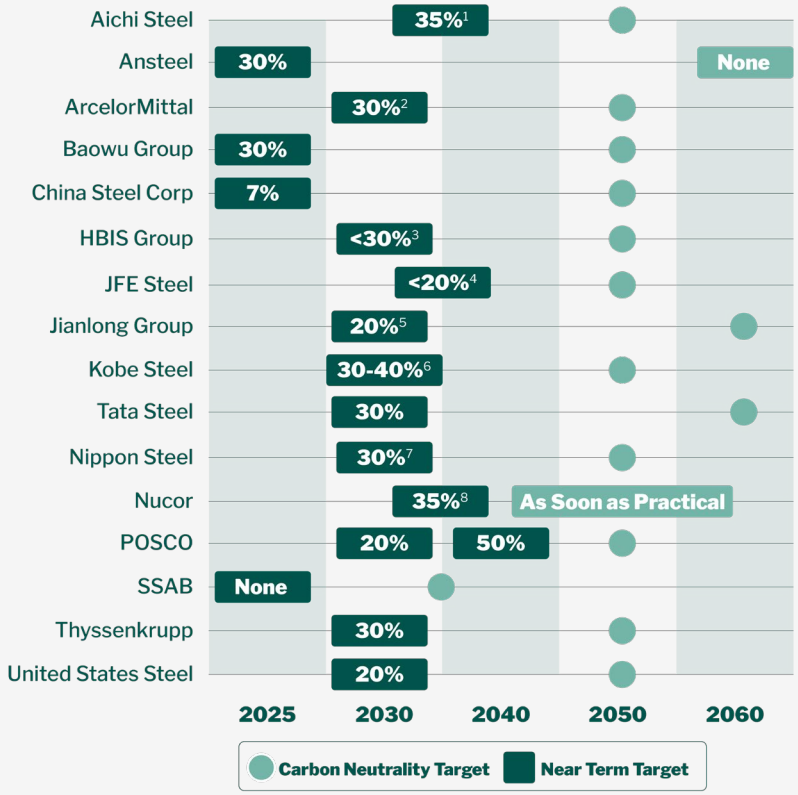


'Steel Breakthrough Agenda'

COP27 (2022)

- Consistent international standards for low emissions steel
- Policies to incentivise low-emissions steel production
- Public funding of projects along steelmaking value chain

Major steel producer carbon reduction targets



1. by 2030 compared to 2013 levels | 2. by 2030 over 2018 | 3. by FY2030 compared to 2022 | 4. by FY2030 compared to FY2013 5. lower by 2033 | 6. by 2030 from 2013 levels | 7. by 2030 compared to 2013 levels | 8. by 2030 using 2015 baseline

The transition away from coal has commenced

Razorback to supply high-grade, low-impurity iron ore for replacement technologies

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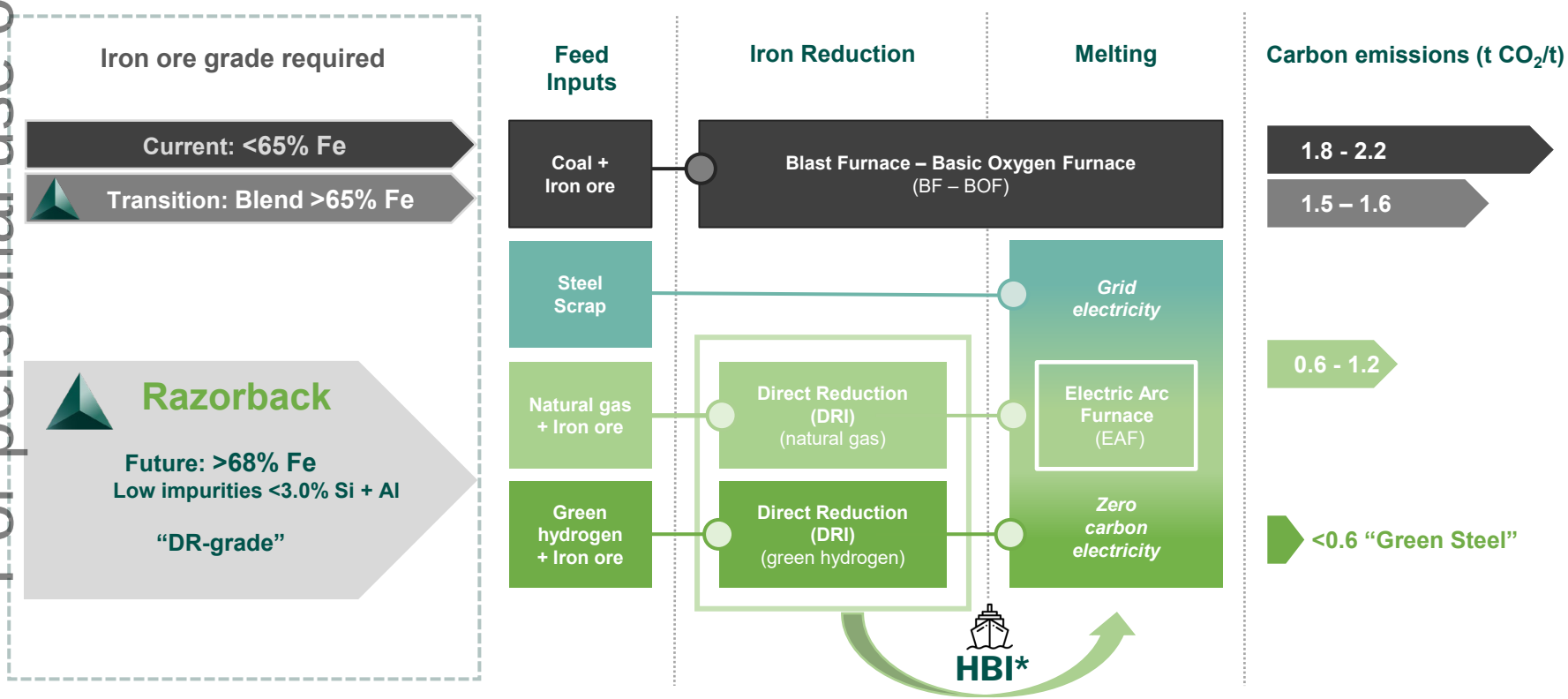
Coal-using blast furnaces to be replaced over next 5 – 25 years



*Hot Briquetted Iron (HBI) is a transportable form of Direct Reduced Iron

New premium-grade iron ore supply critical to transition

Razorback Project positioned to meet urgent new demand

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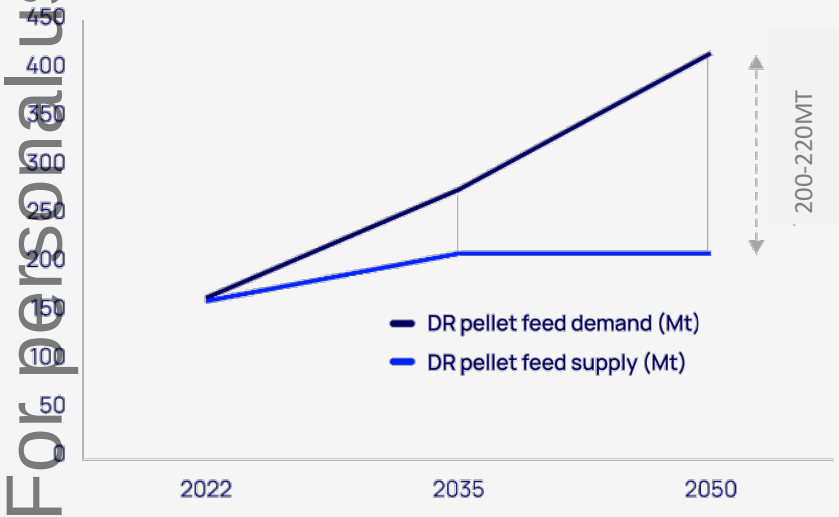
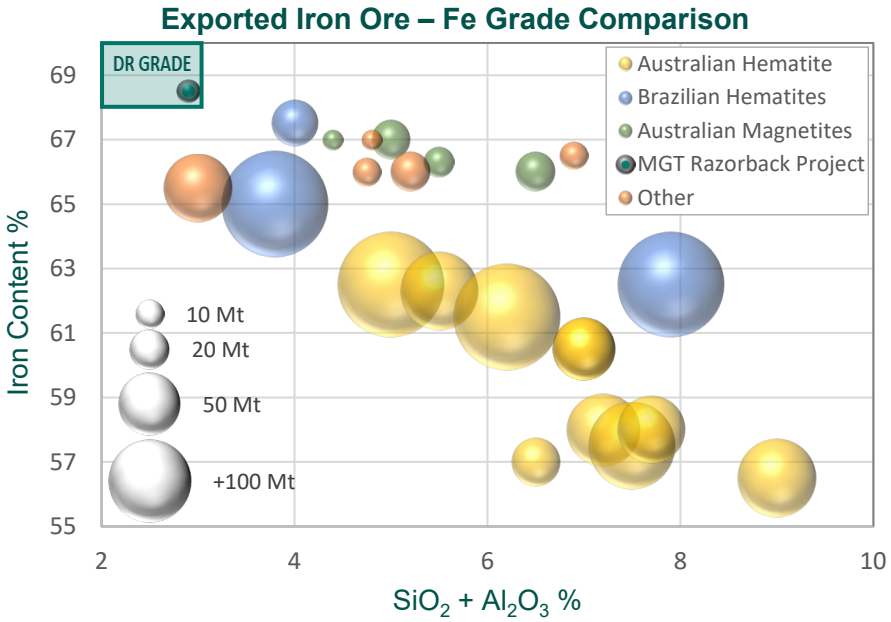
High-grade iron ore demand-supply gap to increase



Source: Wood Mackenzie, "Metalmorphosis": How decarbonisation is transforming the iron and steel industry (Oct 23)

Razorback >68% Fe concentrates positioned in DR-grade range*



Source: Dazmin Consulting

* Initial Razorback Project production phase target concentrate specification, subject to further testwork

The South Australia advantage

SA is leading the way to a future green iron economy

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Attracting international investment

Magnetite +

Renewable Energy +

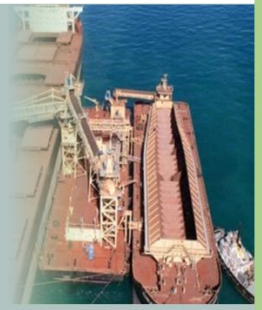
Green Hydrogen

- ✓ **Tier 1, geopolitically stable location**
- ✓ **Abundant magnetite resources**
- ✓ **100% renewable energy on grid by 2030**
- ✓ **Government commitment to green hydrogen**

Value adding

Australia's opportunity can be realised through collaboration and investment in green iron hubs

Iron Ore Export



Exporting Razorback DR Grade Concentrates

01

Pellet Plant

Exporting Razorback DR pellets

02

HBI Plant +H_2

Exporting HBI 'Green Iron'

03

Razorback DR-grade ore essential supply to each step in the value chain

Razorback: Expansive, soft, outcropping iron ore

South Australia's Braemar Iron Formation – a globally significant magnetite province

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The Braemar advantage

- **Outcropping** ore: very low strip ratio
- Siltstone-hosted iron ore, not BIF*
- **Soft** relative to WA magnetite ores
- Concentrates to premium grade iron ore
- **Undeveloped**, low intensity pastoral country

6.0 Billion Tonnes in Resources

- **2,000km²** total iron ore tenements
- **110km** strike length
- **4.5Bt** Razorback Resource[1] (JORC 2012 Indicated & Inferred)
- **1.5Bt** Muster Dam Resource[2] (JORC 2012 Inferred)

2.0 Billion Tonnes in Reserves

- **2.0Bt** Razorback Ore Reserves[3] (JORC 2012 Probable)

*BIF: Banded Iron Formation, common host geology for West Australian magnetite deposits

Outstanding project location in the undeveloped Braemar

Close to potential future green iron hubs at Whyalla & Port Pirie

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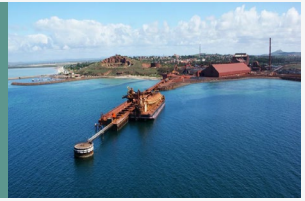
Adelaide
240km

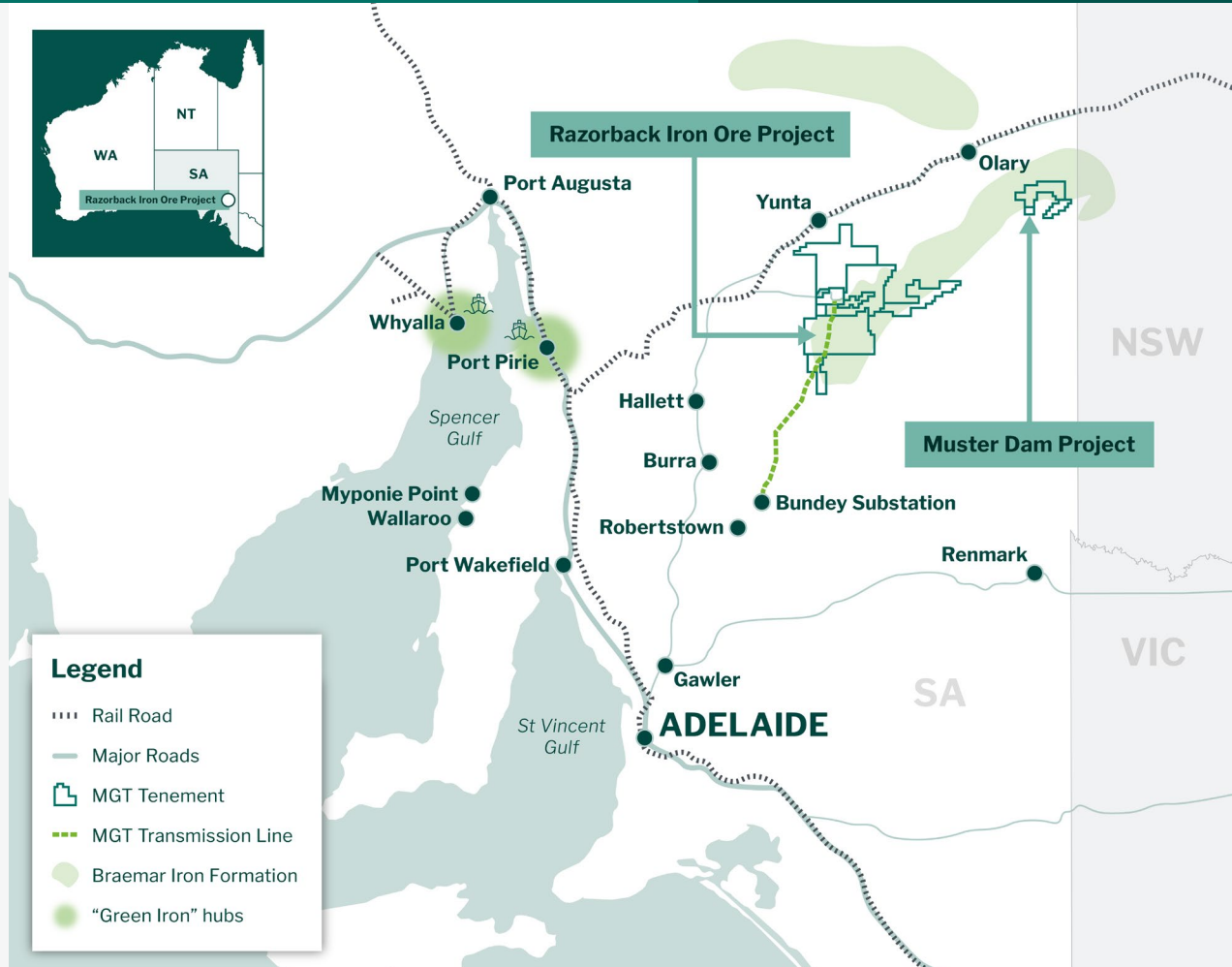
Open-access rail
~50km

Whyalla Port
315km



Port Pirie
180km

Grid Power
100% renewable by 2030
~125km



Razorback Project economics globally-competitive

Highly-competitive cost base on a standardised basis

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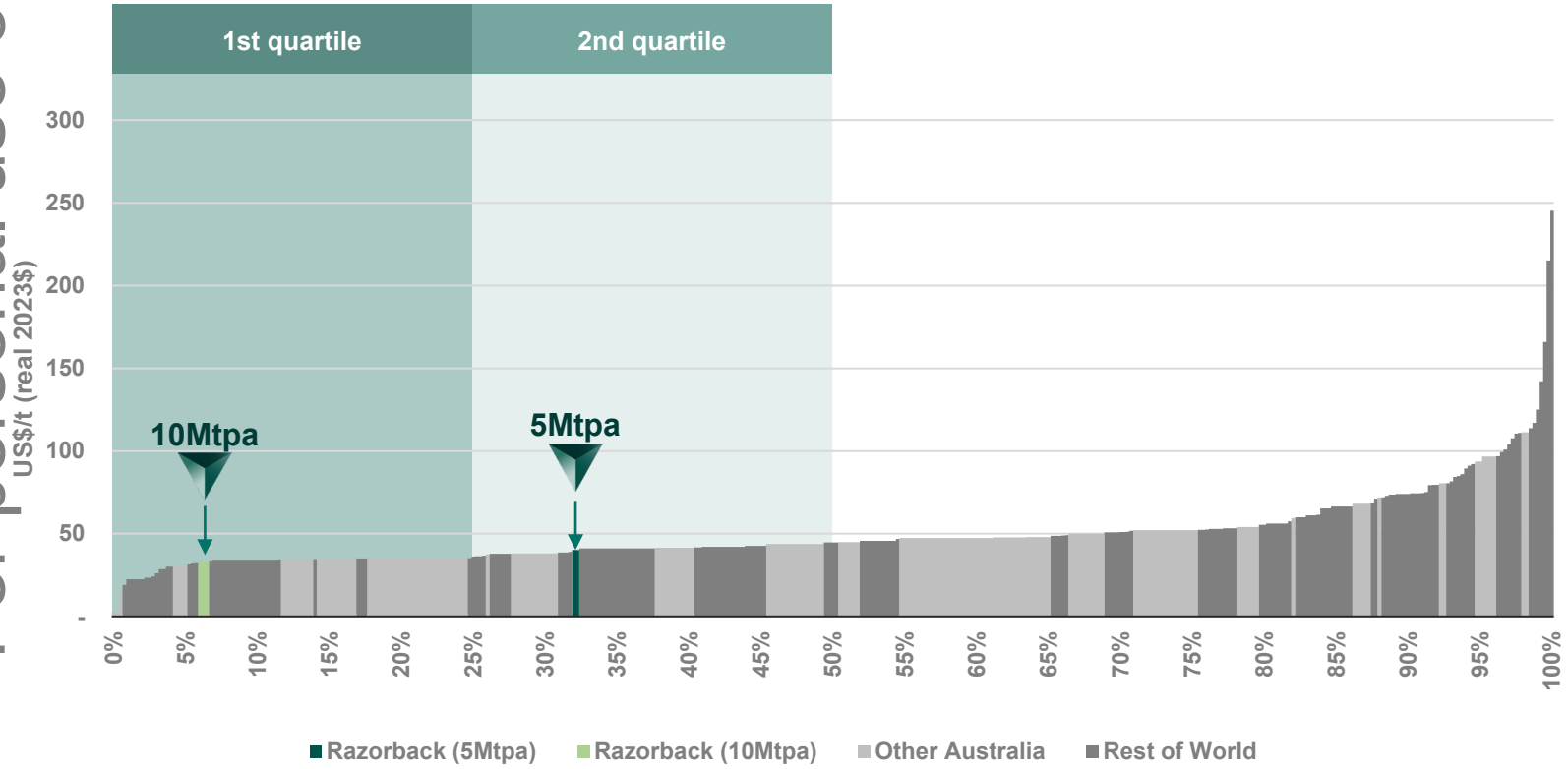
Wood Mackenzie 2027 VIU-adjusted (62% Fe eq.) cost curve (US$/t)[a,b]



Wood Mackenzie

a) Adjusts cost base for product premium or discount based on grade / specification relative to 62% Fe index
b) Operating costs per Iron Peak Strengthens Razorback Project Economics ASX Release June 9, 2023

MGT's bespoke sustainability platform

Elevating future ESG outcomes through early action and commitment

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Cultural heritage survey with Ngadjuri team

MoU with Peterborough District Council

Grid-connected local renewable energy

foresight

Environmental sustainability

- Enabling future low carbon steel production (green steel)
- Accessing 100% renewable energy on SA grid[6]
- Focus on responsible water use

Social & community inclusion

- Partnering agreement in development with Ngadjuri Nation
- 3,500ha of baseline cultural heritage surveys at site completed
- Social and economic impact MoU with District Council of Peterborough[7]

Accountable governance

- Globally-recognised assurance / disclosure standards adopted
- Amplified Board and Executive sustainability accountability
- South Aust – 3rd globally in Fraser Institute Policy Perception Index

People & culture

- Increasing employee engagement via cultural alignment & training
- Commitment to R&D (HILT CRC)
- Zero reportable incidents in 2022

Magnetite Mines well positioned for success

Aligned with timing and acceleration of downstream demand

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KEY MILESTONES

NEXT STEPS

2022

- Strategic shift from 2.5Mtpa scale
- Optimisation Studies commenced

2023

- Port options under MOU
- Metallurgy completed to DFS level
- Confirmed infrastructure access for rail and power supply
- Process flowsheet optimised
- 3 water supply options reviewed
- Optimisation Studies results confirmed 5Mtpa scale
- Economics updated including Iron Peak and 2 Bt Ore Reserve
- Landmark Community MOU signed for Razorback Project
- **foresight** sustainability platform launched

2024

- Ngadjuri partnering agreement
- **Secure water supply**
- Key land access agreements
- **Secure port access**
- **Lodge Mining Lease Proposal**
- Ngadjuri Native Title agreement
- Bulk concentrate sample for customer testing

FID

Final Investment Decision

5Mtpa Base Case value engineering

DFS

Partnering process

Note: As at October 2023

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The opportunity is now

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Decarbonisation Tailwind

- Premium-grade iron ore needed now to enable decarbonised 'green' iron & steelmaking

Outstanding Project Credentials

- Tier 1 location
- Close to port & rail
- 6 billion tonnes in Resources[1,2]
- 2 billion tonnes in Ore Reserves[3]

Progressing to Development

- Partner interest increasing
- Experienced Board & management in place
- Progressing through Definitive Feasibility Study

Substantial re-rating potential

- Project set for long life cash generation
- Very low MGT market cap relative to project value
- Project milestones ahead should close the gap

ASX:MGT

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References

1. ASX Announcement – 09/02/23 – Iron Peak Resource Significantly Improved
2. ASX Announcement – 22/11/22 - Muster Dam Mineral Resource Estimate
3. ASX Announcement – 22/03/23 - Razorback Iron Project Ore Reserves Increase 340% - Update
4. ASX Announcement – 09/06/23 - Iron Peak Deposit Maiden Ore Reserve
5. ASX Announcement – 09/06/23 - Iron Peak Strengthens Razorback Project Economics
6. ASX Announcement – 23/02/23 - Renewable grid power for Razorback Project
7. ASX Announcement – 05/05/23 - Landmark Community MOU Signed for Razorback

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