ASX release



12 October 2023

PILBARA OPERATIONS SITE TOUR PRESENTATION

Fortescue Metals Group Ltd (Fortescue, ASX: FMG) is hosting an institutional investor and analyst tour of its Pilbara Operations on 12-13 October, including a visit to Christmas Creek, Iron Bridge and Hedland Operations. A copy of the presentation is attached.

Operations and guidance update

Fortescue advises its September 2023 Quarter iron ore shipments totalled 45.9 million tonnes (mt), three per cent lower than the prior corresponding period with increased maintenance activity and lower stocks at port following the record shipments achieved in FY23.

FY24 guidance for total iron ore shipments is unchanged at 192 - 197mt. This is inclusive of approximately 5mt from Iron Bridge (100 per cent basis) (previously 7mt). The revised estimate for Iron Bridge reflects the production ramp up curve as performance of the raw water pipeline and plant rectification works impacted availability in the September 2023 Quarter. The ramp up to full production capacity of 22mt per annum remains unchanged and is expected within 24 months.

Authorised by Cameron Wilson Company Secretary

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Forward Looking Statements Disclaimer





Important Notice

The purpose of this presentation is to provide general information about Fortescue Metals Group Ltd and its subsidiaries ("Fortescue"). It is not recommended that any person makes any investment decision in relation to Fortescue 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 decisions, values, results, performance or achievements to differ materially from those expressed or implied in any forward-looking statement. Forward-looking statements are based on assumptions regarding Fortescue's present and future business strategies and the future conditions in which Fortescue expects to operate. Accordingly, Fortescue cautions against undue reliance on such statements. Fortescue makes no representation, warranty or assurance, express or implied, as to the accuracy or likelihood of the forward-looking statements or any outcomes expressed or implied in any forward-looking statements contained in this presentation being achieved or proved to be correct. Except for statutory liability which cannot be excluded, Fortescue and its respective officers, employees and advisers expressly disclaims any responsibility for the accuracy or completeness of the material contained in this presentation and excludes all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this presentation or any error or omission therefrom. Except as required by applicable regulations or by law, Fortescue disclaims any obligation to publicly update or review any forwardlooking statements, whether as a result of new information or future events.

Additional Information

This presentation should be read in conjunction with the Annual Report at 30 June 2023 together with any announcements made by Fortescue in accordance with Fortescue's continuous disclosure obligations applying to it as a company listed on the Australian Securities Exchange. Any references to reserve and resources estimations should be read in conjunction with Fortescue's Ore Reserves and Mineral Resources statements included in the FY23 Annual Report released to the Australian Securities Exchange on 28 August 2023. Fortescue confirms in the subsequent public report that it is not aware of any new information or data that materially affects the information included in the relevant market announcement and, in the case of estimates of mineral resources or 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 United States Dollars consistent with the functional currency of Fortescue, unless otherwise stated. Tables contained within this presentation may contain immaterial rounding differences.

Acknowledgement of Country

We would like to acknowledge the Traditional Custodians of the land on which we meet today and pay our respects to Elders past, present and emerging. We also wish to extend this respect to other Aboriginal people and Torres Strait Islanders who are present.



Presenters





Dino Otranto Chief Executive Officer Metals



Vivienne Tieu Director Sales, Marketing and Shipping



Graham Howard General Manager Iron Bridge



Katie Valentine Head of Decarbonisation, Integration and Execution





Christmas Creek

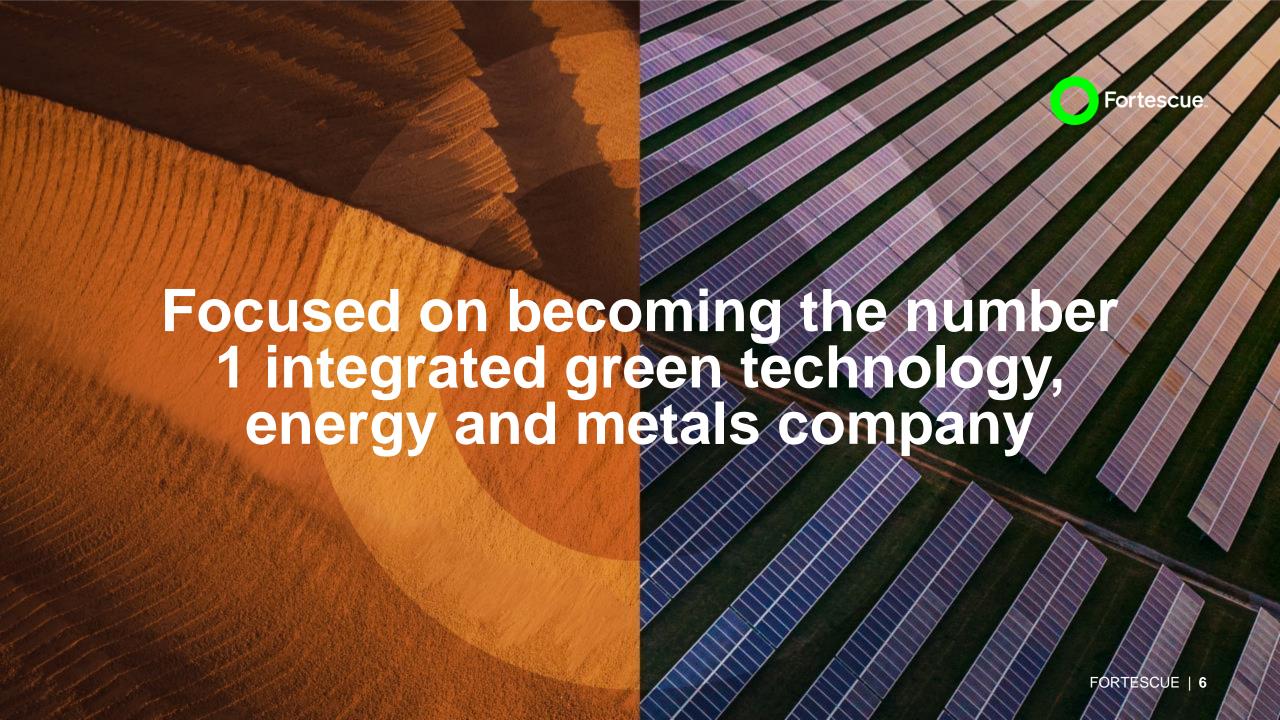
Green Energy Hub

Iron Bridge

- Site tour
- Management presentation
- Japal village

Port Hedland

- Concentrate Handling Facility
- Stockyard and shiploader







Unique culture

Proven track record

Robust balance sheet

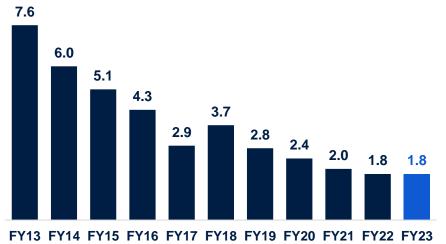
Focus on shareholder returns



1.8 TRIFR

Total Recordable Injury Frequency Rate at 30 June 2023

Total Recordable Injury Frequency Rate (TRIFR)







Fortescue Family Diversity Plan

A safe and inclusive workplace for all

Workplace Integrity Review

Initiatives implemented to enhance safety

30% female employment

in senior leadership roles

FY24 guidance



192 - 197_{mt}

Iron ore shipments

US\$18.00 - US\$19.00/wmt

C1 cost for Pilbara hematite

US\$2.8 - US\$3.2bn

Fortescue Metals capital expenditure

US\$800m

Fortescue Energy net operating expenditure

US\$400m

Fortescue Energy capital expenditure

Iron Bridge guidance



22mtpa

Production capacity

Within 24 months
Ramp up to full capacity

5mt FY24 shipments

US\$45/wmt

Life of mine attributable C1 cost

US\$7/wmt

Life of mine sustaining capital expenditure

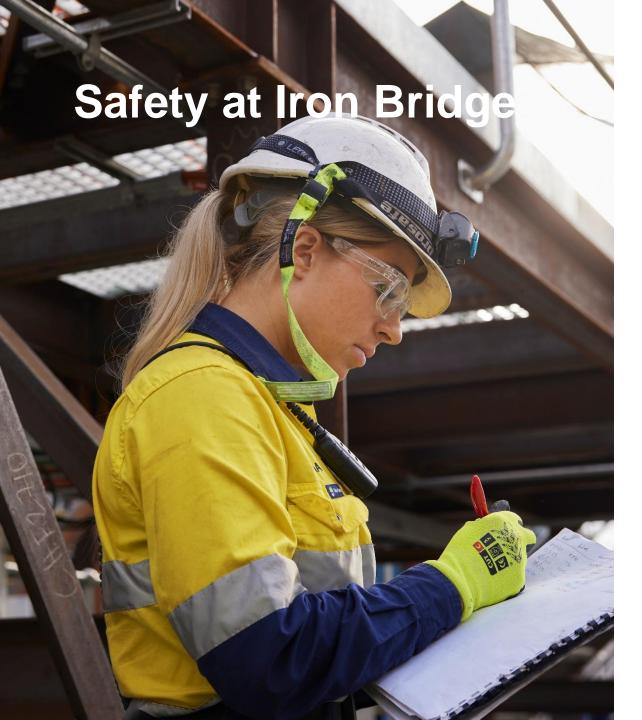
US\$400m

FY24 operating expenditure¹

Iron Bridge









TRIFR of 1.5¹

Safety is our number one priority

Risk reduction campaigns

Ongoing safety programs

Psychosocial safety

Focus on mental health and wellbeing





1,017 people

Operations team (including contractors)

18%

Female employment rate

12%

First Nations employment rate





A\$3.6bn

goods and services sourced in Western Australia

A\$331m in contracts

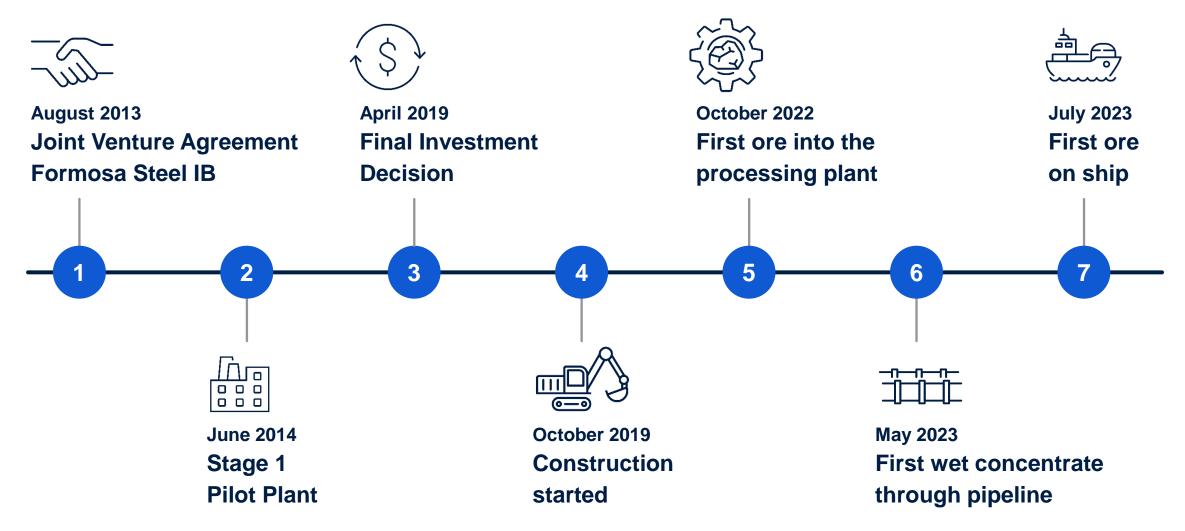
Awarded to Nyamal businesses since 2019

8 VTEC trainees¹

Employed at Iron Bridge

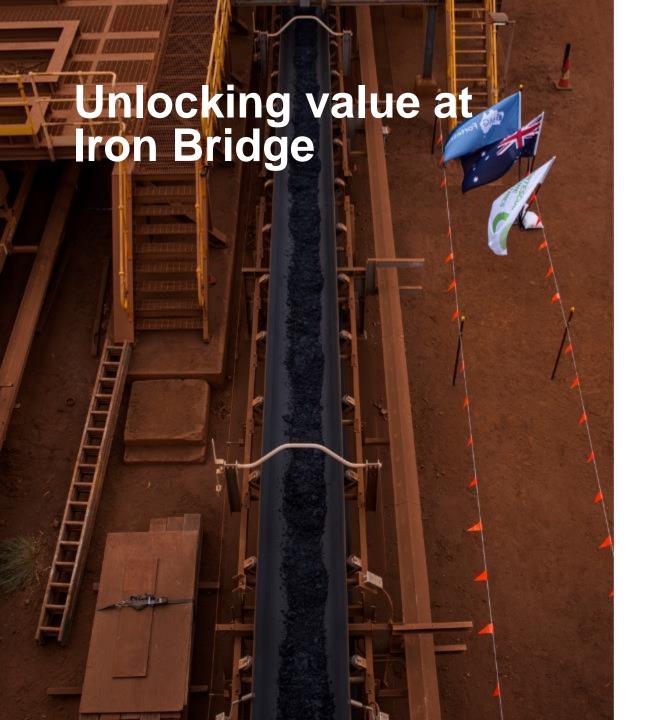
Project milestones













Unique process flow

Four international and national patents

High grade product

New market segment

Decarbonisation

Targeting Real Zero by 2030





Successful

Technical commissioning

Staged

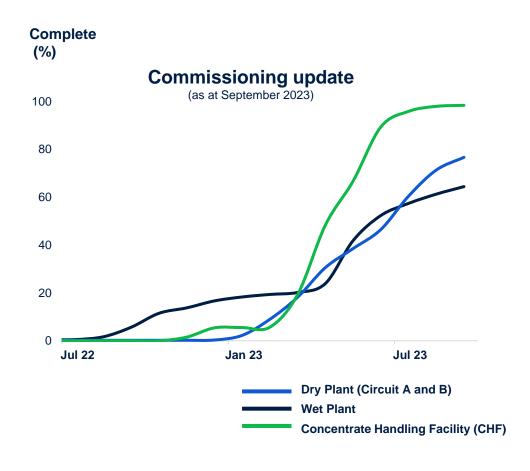
Mechanical commissioning

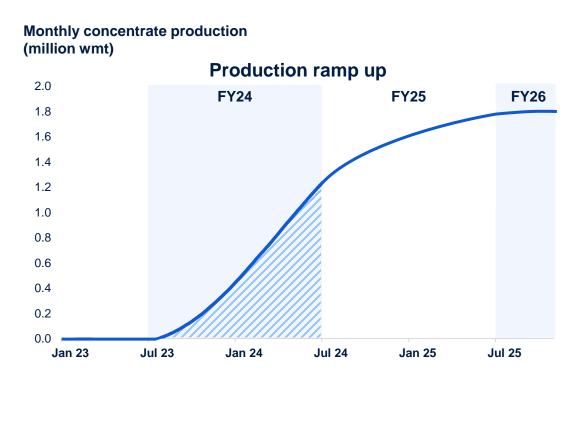
24 months

Ramp up to full production (from August 2023)

Commissioning and ramp up

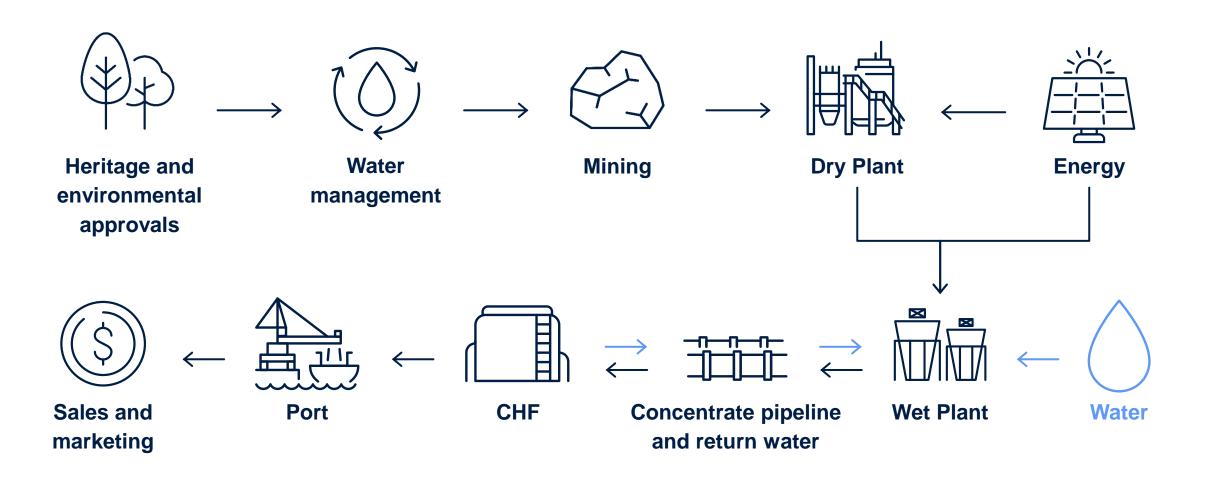






Iron Bridge value chain









West Canning Basin

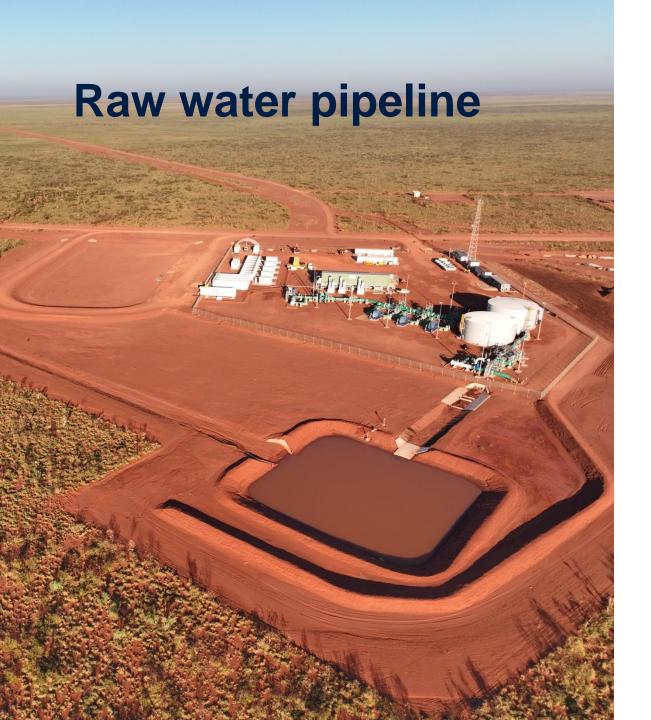
Drawing from the Wallal Aquifer

10 bores

at West Canning Basin

Promoting water balance

Flow sheet recycles water





160km

Canning Basin pump station to Iron Bridge

Glass reinforced plastic

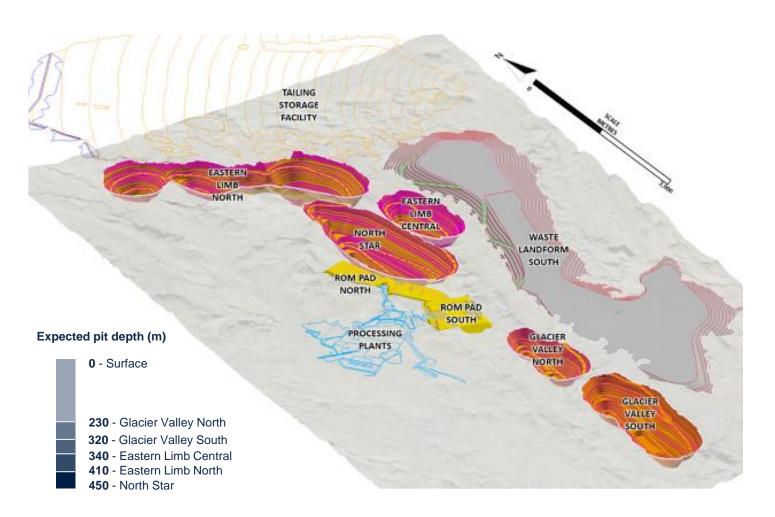
1,000mm average diameter

Commissioning

Ongoing, focused on reliability

Iron Bridge mining operations





6.5bn tonnes

Large Mineral Resource¹

110mtpa

Total material moved

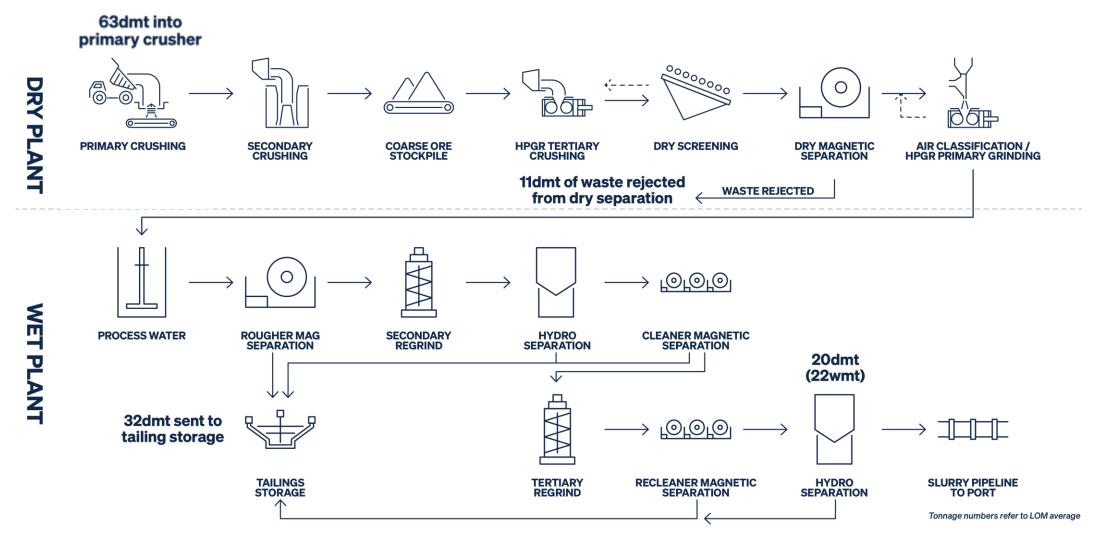
0.7x

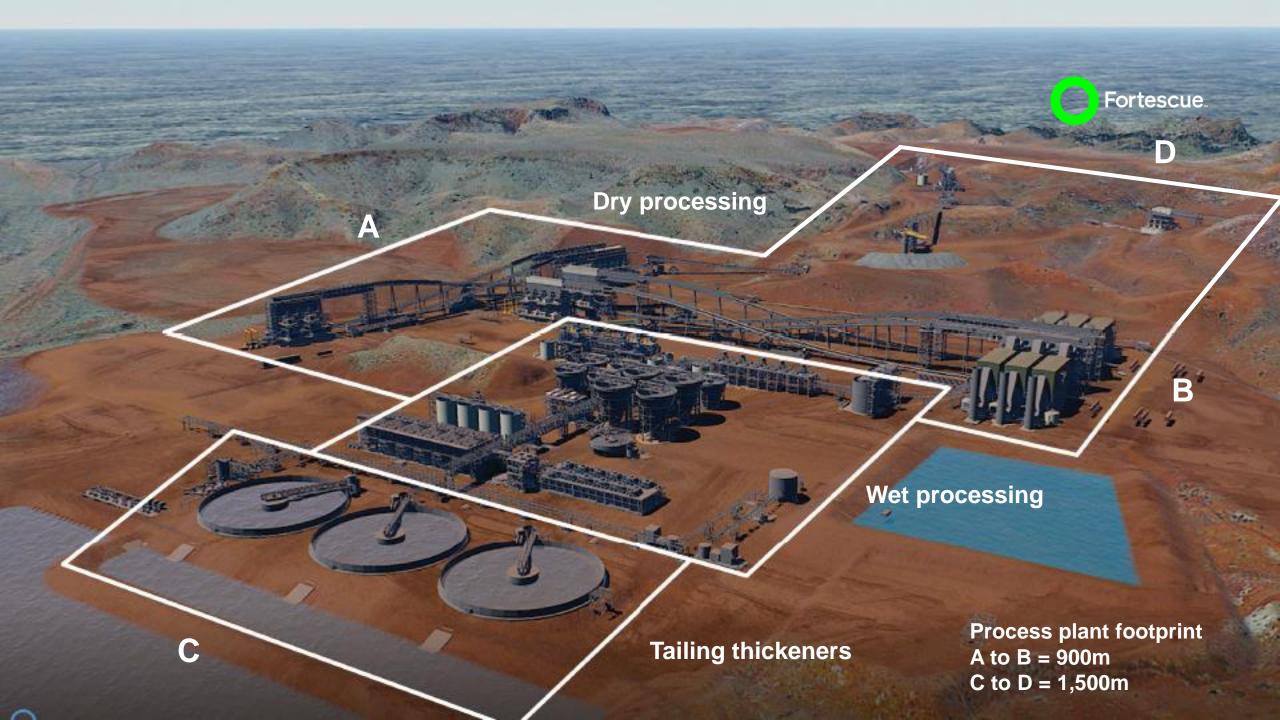
Low strip ratio

¹ Fortescue's Ore Reserves and Mineral Resources statements were included in the FY23 Annual Report released to the Australian Securities Exchange on 28 August 2023.

Iron Bridge OPF process flow











Two dry crushing circuits

Continuous feed and blending

Air classification

Innovative energy efficient design

Dry rejects

Early rejection of waste material





Reduced fine grinding

Energy efficiency

HIG mills

High Intensity Grinding

Hydro separation

Remove impurities without chemicals





32mtpa

Tailings (dmt equivalent)

Natural valley

Downstream construction design

Recycled water

Extracted through embankment





135km

Twin pipelines to Port Hedland

650mm diameter

Steel pipe with liner

Flow management

Continuous monitoring





Dewatering process

From 38% moisture level

10Gl per annum

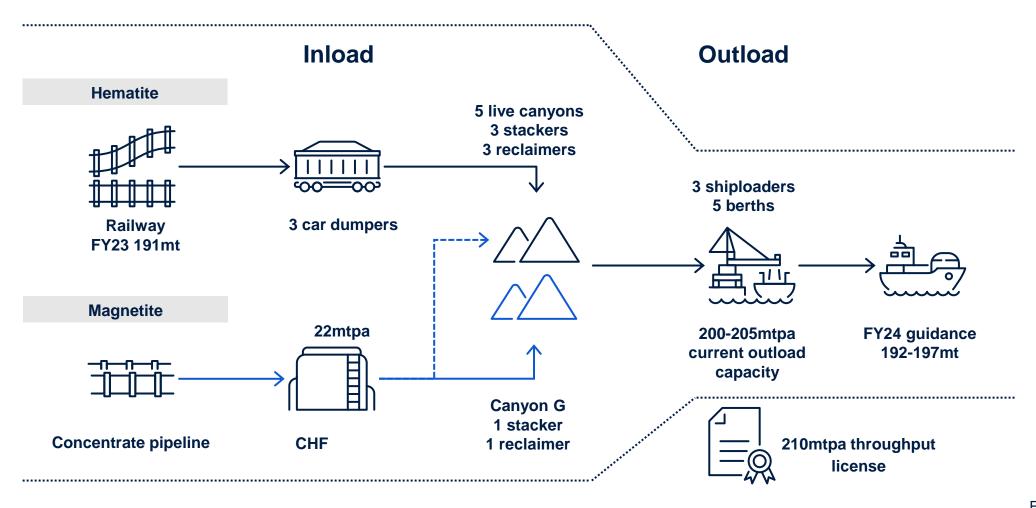
Water recovered and recycled

Integrated infrastructure

Fortescue stockyard and outload

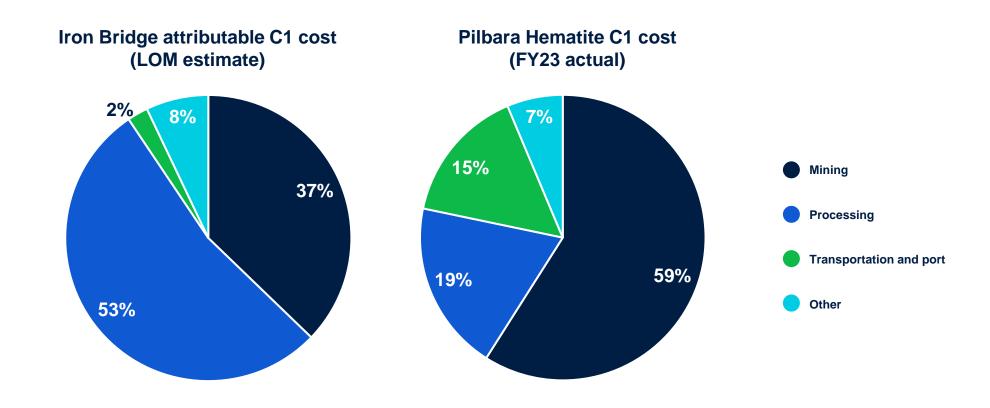
Port operations





C1 cost breakdown













Direct stakeholder engagement

Valuable products to our customers

Long term relationships

Deep understanding of customer needs

Responsive to dynamic markets

Innovative products and logistics offerings

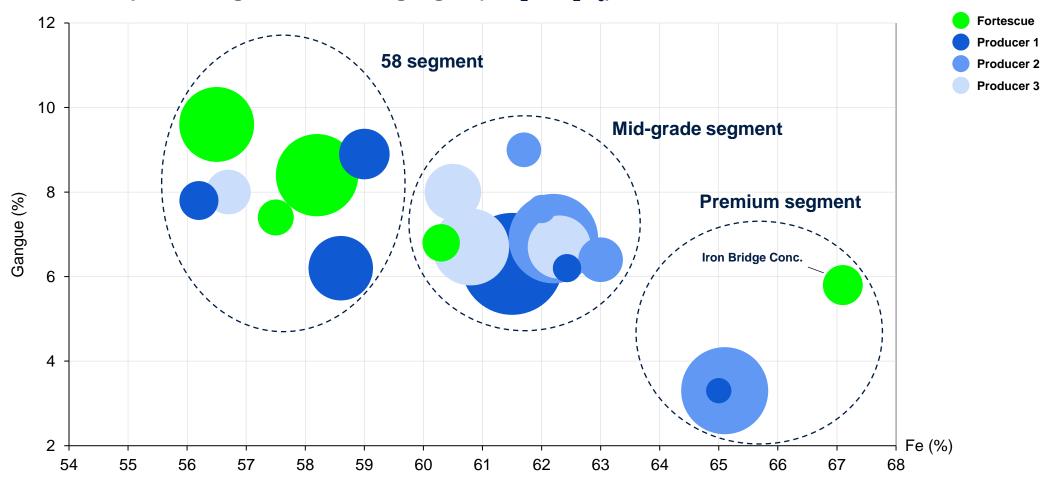
Technical engagement

Addressing emerging industry trends

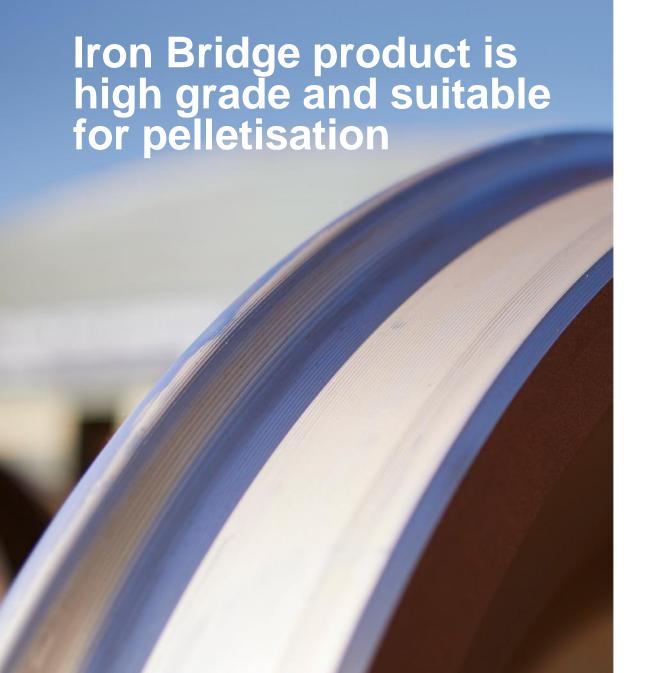
Strengthening Fortescue's portfolio



Product positioning natural Fe vs. gangue ($SiO_2 + Al_2O_3$)



Source: Seaborne supply estimate (CY22), Company and Broker Reports – September 2023, Fortescue analysis.





Strong demand

Primarily as a pellet feed

BF and DRI interest¹

From steelmakers across the globe

Lower carbon intensity

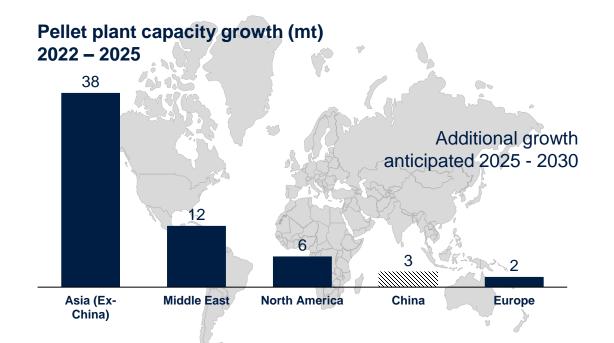
Contributing to decarbonising steel production

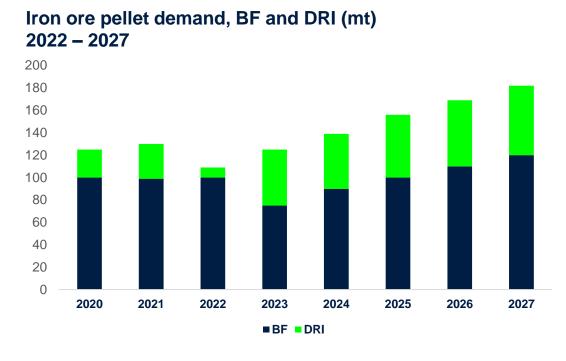
Optionality to blend

Optimising value

Pellet demand forecast to increase with decarbonisation



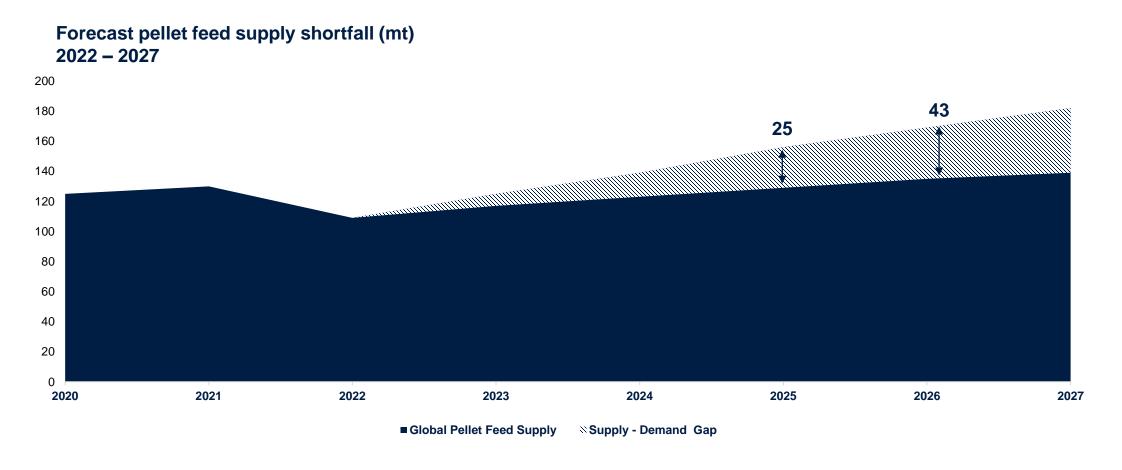




Emerging gap in pellet feed supply



Supporting future demand for Iron Bridge product

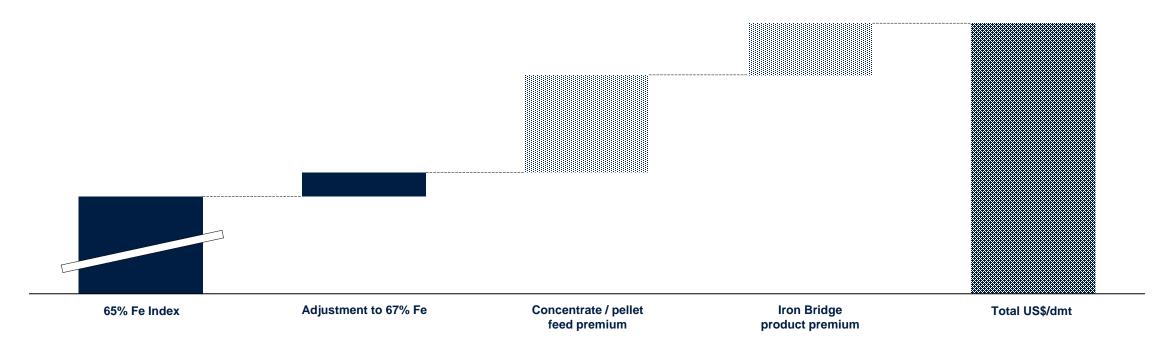


Iron Bridge product positioning



Benefits from global market structural changes

Conceptual Iron Bridge pricing US\$/dmt

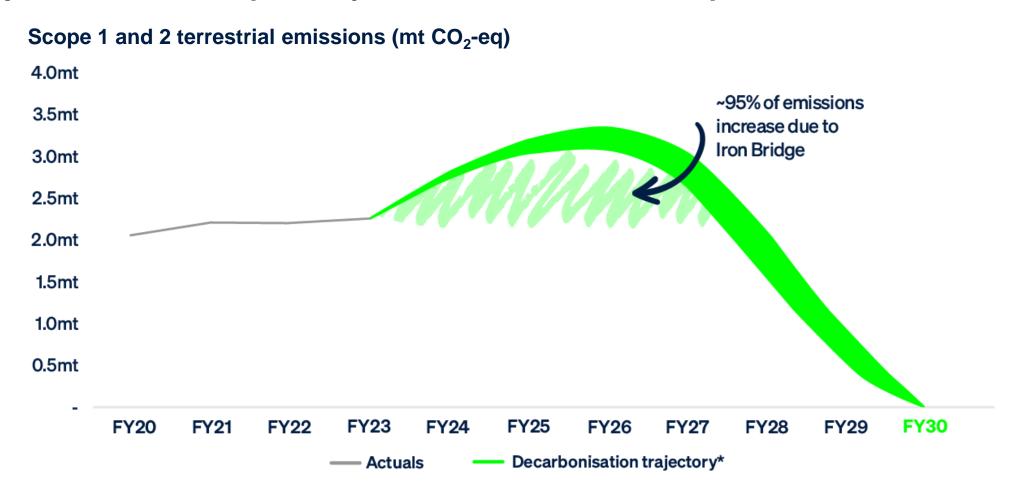




Real Zero by 2030



Projected emissions pathway for Australian iron ore operations



^{*}Fortescue's emissions are forecast to fall within the shaded range based on our current decarbonisation plan and modelling. It is subject to various factors beyond our control, including those set out in this report and our FY23 Annual Report.

Energy infrastructure







Anticipated infrastructure



> 1GW



~ 1GW



~ 4GWh storage



> 750 km



Transmission lines

Operational

Commissioned

Under development

Future development

Future developmen



Mobile asset overview



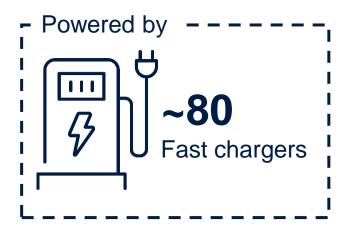
Green Heavy Mobile Equipment to replace:



~350 Haul trucks



~80 **Excavators**









Developing a portfolio of products to support zero emission mining





Battery electric truck with Liebherr/WAE



Fast charger for HME



H2 fuel cell electric truck prototype



H2 fuel cell offboard power unit



Battery electric locomotive with WAE



Ammonia locomotive conversion kit

Decarbonisation program animation







Modular battery design



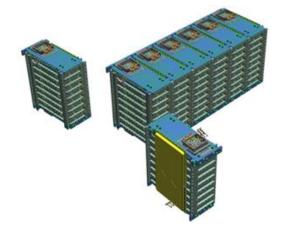
Flexible cell chemistry which is scalable and upgradable











Cell 1.25V - 1.47V

Module 36 cells 45V - 52.8V

Subpack cast layer 2 modules per layer (excluding top layer)

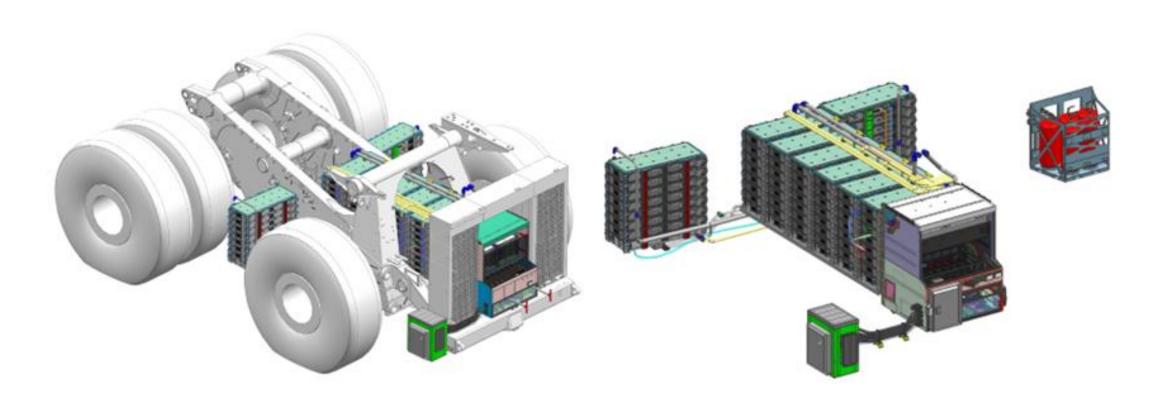
Subpack Stacked casting 15 modules per subpack 675V - 792V

Pack 8 subpacks in vehicle 1,350V - 1,584V

T264 – Power system solution



External low level exchangeable parts to maximise safety and uptime





Fortescue Hive



The journey to a fully integrated mine to market facility

