

Forward looking statements



Disclaimer

Important Notice

The purpose of this presentation is to provide general information about Fortescue Metals Group Limited ("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 values, results, performance or achievements to differ materially from those expressed, implied or projected in any forward-looking statements.

No representation or warranty, express or implied, is made by Fortescue that the material contained in this presentation will be achieved or prove to be correct. Except for statutory liability which cannot be excluded, each of Fortescue, its 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.

Fortescue accepts no responsibility to update any person regarding any inaccuracy, omission or change in information in this presentation or any other information made available to a person nor any obligation to furnish the person with any further information.

Additional Information

This presentation should be read in conjunction with the Annual Report at 30 June 2016 together with any announcements made by Fortescue in accordance with its continuous disclosure obligations arising under the Corporations Act 2001.

Any references to reserve and resources estimations should be read in conjunction with Fortescue's Ore Reserves and Mineral Resources statement for its Hematite and Magnetite projects at 30 June 2016 as released to the Australian Securities Exchange on 19 August 2016, and ASX releases dated 20 May 2014 and 8 January 2015 as they relate to Hematite Mineral Resources Development Properties. 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 Metals Group Limited, unless otherwise stated. Tables contained within this presentation may contain immaterial rounding differences.



TAKE THE MONEY... AND RUN?







TAKE THE MONEY... AND RUN?

Cloudbreak



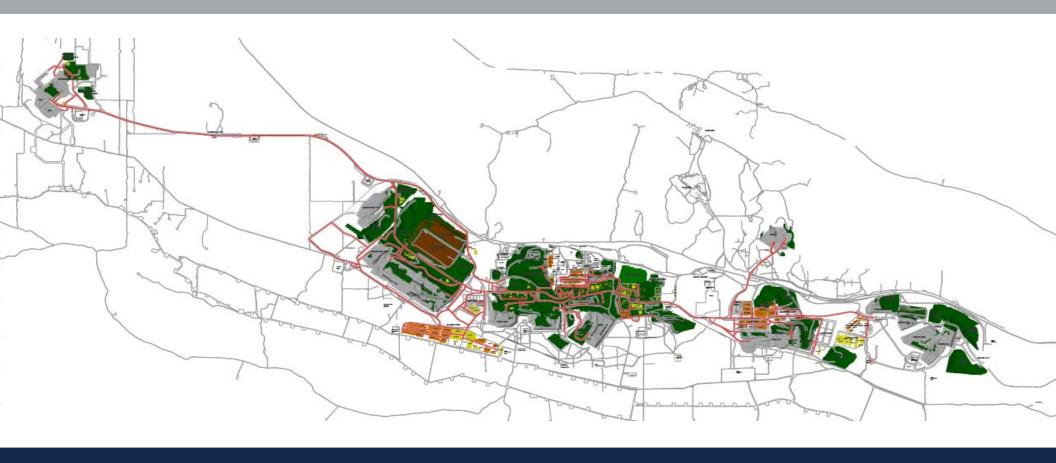
Snapshot

40mtpa	Ore tonnes mined
123	Heavy vehicles in the pit
Diversity	21% female, 20% aboriginal (mining)
1400	Headcount - 550 in mining
20km	Longest haul route



Cloudbreak Mine Site

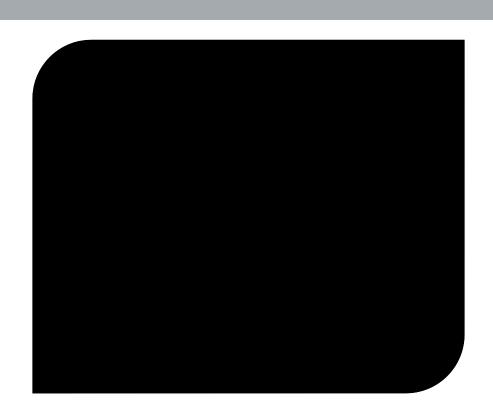




Hierarchy road rules



- Priority levels 1 4
- Reduce LV HV interaction
- HV Efficiency increase
- CME Safety award finalist



Video: Hierarchy Road Rules Priority vehicles

Right of way



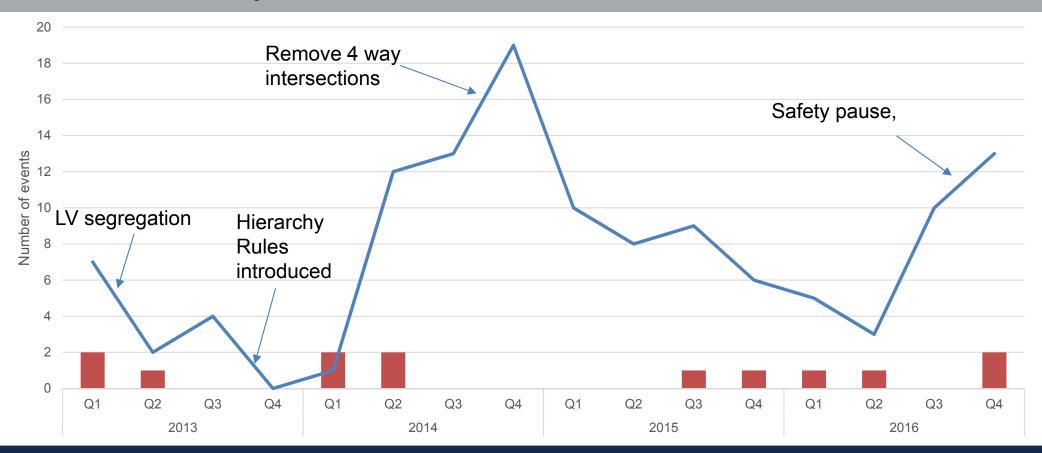
Fundamentally different in hierarchy road rules



Vehicle Interactions Events



Cloudbreak Journey





- 7 near misses in a week
- 24hrs: production halted
- Asking the question "how can we reduce vehicle interactions"
- 16 working groups all involved
- 105 items raised = 74 actions
- VIIP Vehicle interaction Improvement Plan

Safety Pause Themes



Human Factors Lens - 105 ideas, 16 working groups

Mine control assignments, screen messages, radio congestion, cross-dept communications

LV roads, Intersection design, in cab screen placement, light saturation/distractions, DT visibility at night

Line trainer competence & training content scenarios

Investigations, depth, findings, 'situational awareness'



Alertness, fatigue, home distractions, fitness, vision

Consultation
Just Culture, team
pressures

Safety Culture: Leadership engagement



Vehicle Interaction Improvement Plan (VIIP)

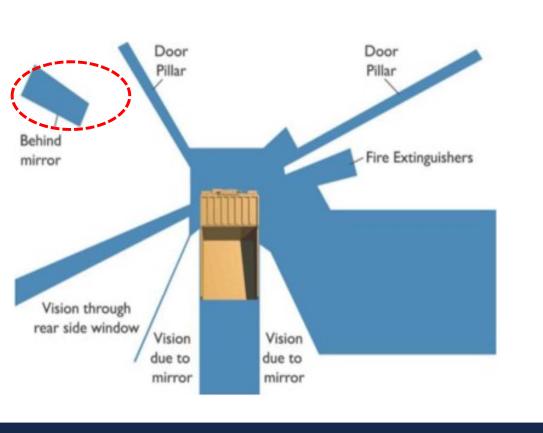
- Leaders spending time in trucks
- Employee feedback daily
- Supervisor pit reviews interaction focus
- Engaged an operational Hierarchy champion!



Designing for people: Reduce blind spots



Extensive trials of mirror positioning for better visibility



Before



After



Training and competence: effective training



Used go-pros to build interactive simulators instead of paper training



Safety critical communication: more 'eyes on road' time Fortescue



Pre-programmed channels and standardised buttons



Designing for people: increased visibility of DTs at night Fortescue



Project is evolving in response to feedback



Deep dive analysis of incidents



No trends in:

- Day/night
- Time into shift
- Gender
- Experience

Trends:

72% occurred on the one Haulroad with
 20% at 2 particular intersections



Human Factors independent review



Formal assessment using an independent expert

- Conducted causal analysis
- Mainly perceptual errors
 - Ambient environment
 - Human Machine interaction
 - Communication factors
 - Personal factors



Opportunity for improvement: Investigations



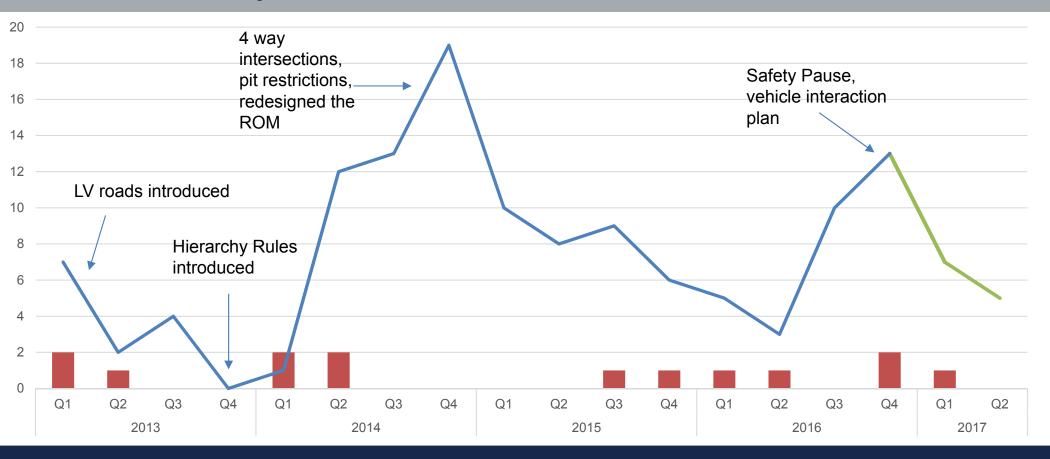
Situational awareness & performance are shaped by a number of factors



Vehicle Interactions Events



Cloudbreak Journey



Key Learnings



- ✓ Less errors if we change conditions rather than people
- ✓ Lots of little things (1%ers)
- ✓ Additional Human Factors analysis
- ✓ Upskill leaders in human factors
- ✓ Listen to your people



Safety

Our Vision: The safest, lowest cost, most profitable iron ore producer





www.fmgl.com.au



Proudly supporting:







