Personal leadership: the first priority in safety

Minesafe International 2017

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Our Industry - let’s move from sharing to learning
Put people at the centre of your safety strategy
Personal safety leadership - we can all take the lead

Operators

Superintendents

Supervisors

Industry

Teams

Executives
My presentation today

(1) New Tools
Critical Risk Management

(2) Process safety
Increasing emphasis

(3) The human factors
and how we all can lead
Our safety performance

A history of continual improvement in safety
AIFR per 200,000 hours worked

Fatality at Paraburdoo in June 2016

Continued focus on Fatality Prevention, Illness and Injury Reduction and Catastrophic Event Prevention

Critical Risk Management (CRM) Programme
– More than 1.8 million verifications to date
Our safety strategy - three key focus areas

Improving safety performance: A balanced approach

Fatality elimination
- Leverage PFIs
- Embed critical controls
- Human performance
- Learning Critical Lessons

Everyone goes home safe and healthy every day

Reducing injuries
- Contractor safety
- Hazard and risk awareness
- Severity focus
- Workplace conditions

Catastrophic event prevention
- Aviation
- Underground
- Process safety
- Geotech
- HSE in design
Chief Executive Safety Awards 2016

Most Improved Award: Arvida Smelter, Quebec, Canada

Best Contractor Award: Austral Construction

Chief Executive Safety Award: Boyne Smelters, Queensland, Australia
Our safety strategy - three key focus areas

**Fatality elimination**
- Leverage PFIs
- Embed critical controls
- Human performance
- Learning critical lessons

**Catastrophic event prevention**
- Aviation
- Underground
- Process safety
- Geotech
- HSE in design

**Reducing injury**
- Contractor safety
- Hazard and risk awareness
- Severity focus
- Workplace conditions

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Enabled by:
- Leadership and culture
- Critical risk and controls
- Systems and technology
- Learning and communication

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Critical Risk Management

CRM involves:

Every Rio Tinto operation

Every critical risk

Every operational person

Ensuring like never before that work STOPS if it’s not safe
CRM big data

CRM system rolled out across 60+ sites

More than 1.8 million safety verifications
CRM lessons learned

Don’t invent just implement

Reduce complexity

Does it make the job easier

Ask the operators

Faster rollout equals faster learning

Metrics can only show so much
Process safety - an area of increased focus
The human factors - managing human nature
Personal safety leadership - the front line

Are you ok

Do the risk assessments

When did you last check the tools you rely on?

Buddy up and help a colleague
Personal safety leadership - supervisors

Safety conversations in the field every shift

Be curious

Preparation makes all the difference

Reset the tone
Personal safety leadership - GMs

- Know their people inside out
- Connect and look beyond their fence
- Coach and support their safety leaders
- Ensure the systems are fit for purpose
Personal safety leadership - CEOs and execs

- Give the strategy time
- Don’t accept mediocrity
- Act on data
- And act on your instinct
Personal safety leadership - we can all set the example
Put people at the centre of your safety strategy