



Shaping our future

Sandeep Biswas

Managing Director and Chief Executive Officer

Sydney Mining Club, 1 June 2017

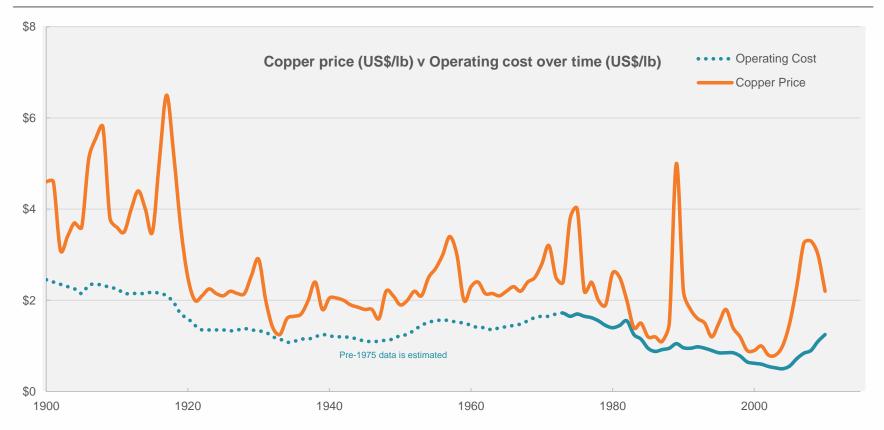
Australian mining industry today: bigger and stronger





Mining industry has consistently adapted





Source: R.Schodde, MinEx Consulting, 2010, The key drivers behind resource growth: an analysis of the copper industry over the last 100 years, supplemented by data from Wood Mackenzie Y axis represents US\$/lb C1 costs (in real 2016\$ terms) for period 1900 – 2016. Data prior to 1975 is estimated

Gold price plummet



(US\$/ounce)



Source: Bloomberg



Our Performance Plan

The vision

Our relentless drive to realise the full potential of our assets

Measure of success

Safely maximising cash generation

Stretch targets

Aspirational targets that drive breakthrough thinking and step-change innovation



Owner's mindset

A strong owner's mindset and behaviours with a bias to action and a highperformance, no-nonsense culture



Operating discipline

Rapidly identify and capture opportunities to safely increase free cash flow

Performance Edge is a key source of our competitive advantage to become the Miner of Choice™



Employee involvement



Personal ownership



Shared vision



Operational discipline



Bottom-up innovation



Inspirational leaders



Talent development

Owner's mindset is driving hundreds of value-creation initiatives



LihirMobile maintenance department





CadiaOre processing team





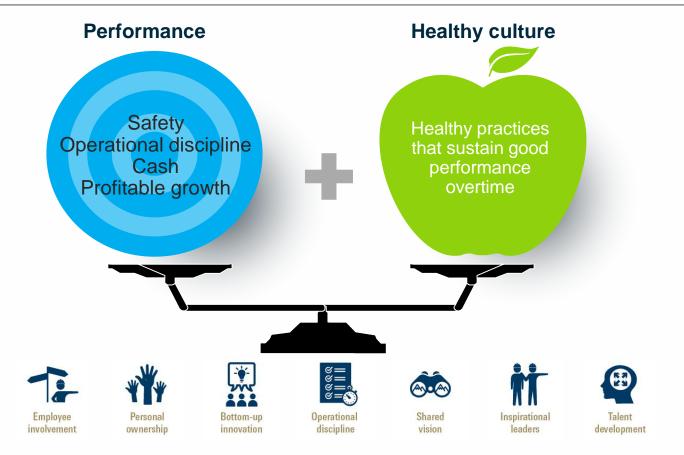
Telfer Mining engineers





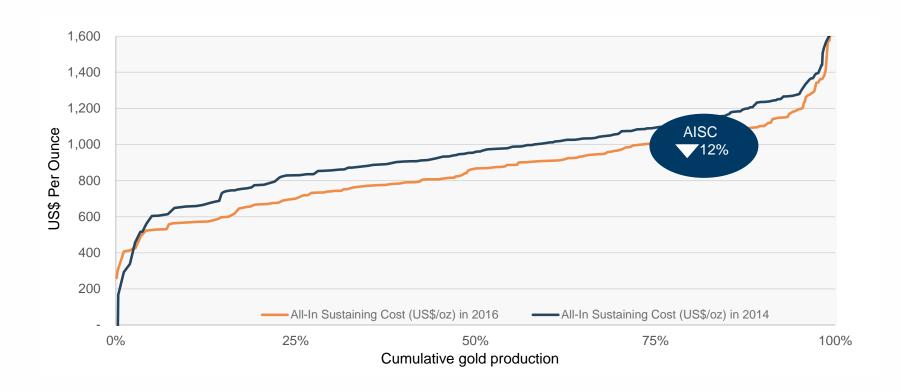
Business transformation has two essential ingredients





Global gold sector has improved performance, lowered costs

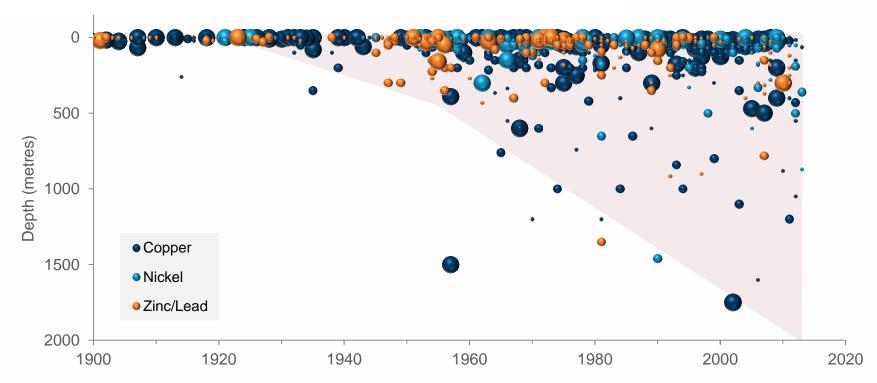




Rising to the challenge: finding and mining deeper under cover



Base metal deposits found in the world between 1900-2013

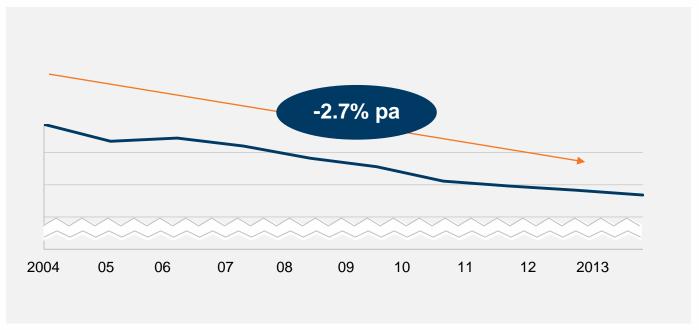


Rising to the challenge: grades in decline



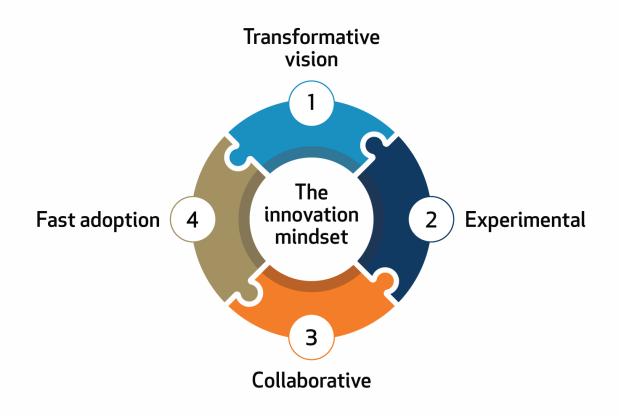
Average grade estimate

Index, 2004 = 100



An innovator's mindset key to meeting industry's challenges





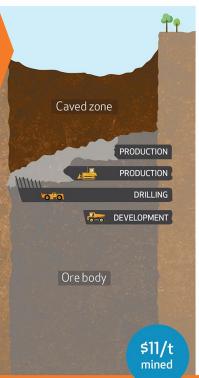
Innovation key to making deep, low-grade deposits viable





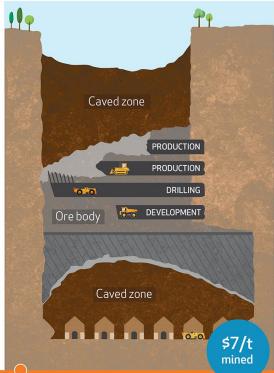






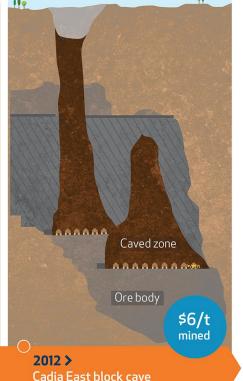
2001-2011

Ridgeway sub-level cave



2009-2016

Ridgeway Deeps block cave



Selective processing tackling declining grade



CASE STUDY

Industry partnership supports selective processing at Telfer











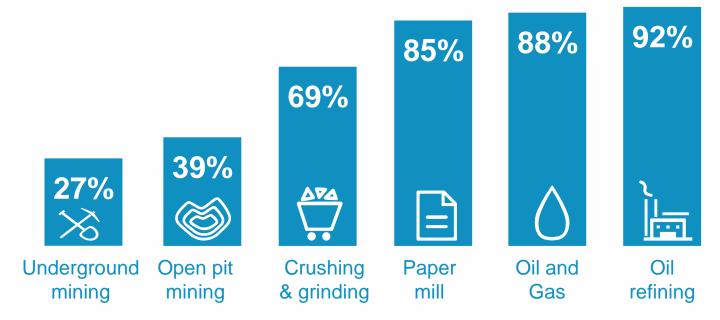


Sampling from an isolated belt

Rising to the challenge: Increasing equipment utilisation



Average Overall Equipment Effectiveness (OEE)

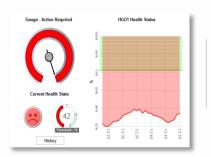


Collaboration on big data delivering results



CASE STUDY
Data science
collaboration eliminates

mill overloads at Lihir















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