



pure kiwi mettles

Operated by

RioTinto

NZAS Sustainable Development 2018 Scorecard



SAFETY - lowest All Injury Frequency Rate in three years

Health & Safety Statistics

6

Recordable injuries (number of LTIs and MTIs)

65

All injuries (including first aid)

4

Recordable occupational illnesses

0.67

All Injury Frequency Rate (AIFR)

19:1

Health & Safety representatives



Lowest AIFR in three years

Continuing downward trend of injuries over the last three years

Employee Health & Wellbeing

22

'Are you OK?' Family Violence Champions trained



Environmental Performance

0

Environmental incidents (Category 2)

2.04

t/t hot Al CO₂ emissions

0.84 kg/t Al

Total fluoride emissions



PEOPLE - proudly representing New Zealand on the world stage

Our People

754

Full Time Equivalent (FTE) employees

236

FTE contractors

\$83.7 million

Salaries & benefits paid

5.6%

Employee turnover

Male 91.1%
Female 8.9%

Diversity (FTE)



14
Apprentices



- Workforce growth due to increased operational requirements
- Increase in gender diversity in operational areas



GROWTH - operating beyond 2030

Building Full Potential (BFP) process. Focussed on:



Improving recycling of carbon materials to reduce the amount of carbon purchased

Determining how to make higher purity aluminium consistently

Making the most tonnes of aluminium with the available power block

Improving the stability of existing production processes



Reducing Casthouse scrap



PARTNERSHIP - strengthening our future

Community complaints



3 investigated and closed out

Community investment



\$38,332
Total \$ Investment

Community support



Southland Girls' High School (SGHS) education partnership



Graeme Dingle Foundation (Southland)



NZAS Southland Science & Technology Fair

Business Award

Winner of the 2018 Community Initiative of the Year Award (Deloitte Energy Awards) for 10 years of the SGHS education partnership



CASH - agile and value add operations

Operational Performance

340,111 tonnes

Saleable metal

81%

Per cent value added

3,025 tonnes

Extrusion scrap reprocessed

14.9 MWh/t hot Al

Electricity efficiency

71.2 GJ total energy/t hot Al

Total energy efficiency

- Reduction Line 4 restarted
- VDC1 block casting facility reopened

Financial Performance

\$49 million

Local spend

\$418 million

National spend

\$53.9 million

from business improvement activities

Business improvement initiatives:

- Additional metal production from restarting Line 4
- Restart of VDC1 block casting facility to create value added production
- Leveraging freight synergies in raw material supplies

Capital Expenditure

Capital investment projects commenced:

- Carbon Bake Furnace No. 4 rebuild
- R11 Rectifier replacement
- R12, R13 and R14 transformer replacements
- L Furnace magnetic stirrer
- Fire pump replacement
- PLC replacements
- Ingot bundle robotic stacker
- Ingot strapping head replacement