



# Boyne Smelters Limited (BSL): History

- Commenced operations in 1982.
- Australia's largest aluminium smelter.
- Production capacity 557,000 tonnes of aluminium per year.
- Smelts alumina (from QAL) into aluminium.





# BSL: Environmental Compliance & Policy

- Committed to a HSEC Policy to create sustainable value from resources and relationships.
- Smelter certified to ISO 14001 Environmental Management System.





# **BSL: Environmental Compliance & Policy**

- Ambient air modelling for sulphur dioxide emissions.
- Waste recycling initiatives: Soft plastics, mobile phones, printer toner and cartridges and plastic bottle recycling.
- Reduction of waste stored on site: Increased awareness, training, recycling, reuse and other waste minimisation activities.
- Comalco Control System (CCS): Controls reduction cells on Line 3 resulting in reduced Perfluorocarbons (PFC's).
- Cross-divisional Climate Change Team: Conducting range of projects aimed at raising awareness of climate change and energy issues.
- Energy audits to assess energy use practices and suggest improvement projects.



## BSL – Health and Safety

- Focus on tools of core safety system: Safety Interactions, Tool Box meetings, Take 5 and Standards.
- Zero Incident Process (ZIP) training.
- Routine personal monitoring to ensure exposure to noise, dust and fluoride is within limits.
- Monitoring of employee exposure to Hand Arm Vibration (HAV).





## BSL – Health and Safety

- Capital programs to reduce employee exposure to noise.
- Skin specialist: Free skin checks for early diagnosis of skin abnormalities.
- Wellness Programme: Promotes maintenance of a healthy lifestyle.
- “Are you Ready?” Fit for work campaign.
- Promote Active Safety and Health (PASH) day.
- HSE Recognition Awards.





# BSL – Community Engagement

- Boyne Smelters Community Forum.
- Rio Tinto Alcan Community Fund.
- Publications: Quarterly Community Update, annual Sustainable Development Report.
- Advertising activities impacting the greater community.
- Industry Tours.
- Employee communication including site spotlights, monthly newsletters and employee surveys.
- Sponsorships and Donations Program.





## BSL – Labour force recruitment

- Apprenticeship program.
- Three-year graduate training program.
- Paid university vacation employment program.
- Frontline Leadership Development Program (FLDP).
- Indigenous employment program.
- Lean Six Sigma graduate program.





## **BSL – Infrastructure Development**

- Refurbishment and upgrade work to ship unloader to reduce fugitive dust emissions.
- \$250,000 spent on modelling discharges from Carbon Bake stacks.
- \$29 million CBF3 rebuild project to improve efficiencies.
- Projects to improve water efficiency such as upgrade to Reduction Lines 1&2 Compressor Cooling Towers.
- \$385 million project to replace Carbon Bake Furnaces 1&2 to further reduce sulphur and nitrogen dioxide emissions, greenhouse gases and odour.

