

# BARRO ALTO

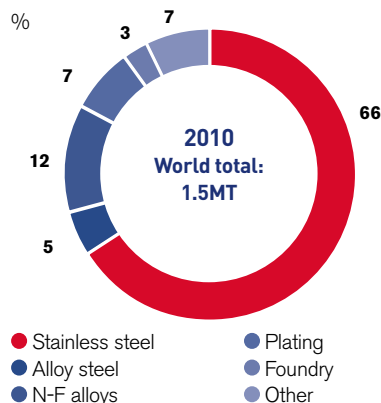
In March 2011, we announced delivery of first metal at our Barro Alto nickel project in Brazil. The project is the first of our four major strategic growth projects to begin production and will be a key contributor to our planned 35% volume growth by 2014.

## BARRO ALTO

- Our 100%-owned Barro Alto project in Brazil represents the first of our four near-term strategic growth projects to come on stream.
- We have invested \$1.9 billion in the project.
- The project is set to produce an average of 36,000 tonnes per annum of nickel in ferronickel over more than 25 years (41,000 tonnes per annum in the first five years).
- The project is expected to reach full production in the second half of 2012.
- Barro Alto will more than double production from our Nickel business, the mine has a long life and a highly competitive position in the lower half of the cost curve.

## GLOBAL NICKEL CONSUMPTION BY FIRST USE

estimated end use in 2010



Source: Brook Hunt - a Wood Mackenzie company

## OUR COMMODITY

- Nickel is one of our core commodities and is produced by our Nickel business, based in Brazil, and as a by-product of our Platinum business in South Africa.
- Nickel can occur in two types of deposits: sulphides that are mined underground and laterites that can be mined by open pit methods.
- Over 65% of nickel and 100% of ferronickel is used to manufacture stainless steel and around 25% in other steel and non-ferrous alloys.
- Global nickel consumption rose from approximately 1.12 million tonnes in 2000 to approximately 1.5 million tonnes in 2010.



Barro Alto,  
Brazil

## OUR NICKEL OPERATIONS

- We now have three nickel operating assets: Loma de Níquel in Venezuela, Codemin in Brazil and the recently commissioned Barro Alto project, also in Brazil.
- In the first half of 2011, our Nickel business achieved operating profits of \$93 million.
- The Barro Alto operation is set to more than double production from our Nickel business.
- Jacaré, located in Brazil, is 100% owned, unapproved nickel growth project.
- Early stage exploration projects are under way in Finland, Canada and Australia.

## BRAZIL

- Anglo American has had a presence in Brazil since 1973.
- The country is integral to our future growth, with two of our business units, Nickel and Iron Ore Brazil, established there.
- Brazil is also home to our Catalão (niobium) and Copebrás (phosphates) operations.
- In 2010, Anglo American paid \$279 million in taxes to the government in Brazil.

## OUR COMMUNITIES

- Barro Alto is committed to reducing water consumption, energy consumption and CO<sub>2</sub> emissions. It has created a closed circuit which limits evaporation losses to 5%,

and reusing rainwater in all of the project's industrial processes.

- More than \$12 million has been invested in environmental controls and preservation initiatives around the project.
- We have invested more than \$5 million in the city of Barro Alto's basic infrastructure, such as schools and hospitals, training programmes for teachers and professional courses.
- Our partnerships with NGOs such as Replatina, CARE Brasil and Agenda Pública help promote new businesses, enhance farmers' production, build capacity in the public sector and support projects including educational and cultural initiatives to promote sexual and reproductive health.

Barro Alto,  
Brazil



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