

Case Study: Bemax Resources

Bemax Resources in Broken Hill

Bemax Resources Limited is one of Australia's premier mineral sands companies and the fifth largest titanium dioxide feedstock producer in the world. Bemax is focused on strengthening its position as a major titanium dioxide feedstock producer.

The Murray Basin is regarded by industry as a world class mineral sands province and the future of the mineral sands industry in Australia.

Bemax's exploration program to locate and define mineral sand deposits has focussed on the northern part of the Murray Basin. Bemax has now established more than 67 million tonnes of heavy minerals, a significant proportion situated in the Pooncarie district.

This resource should ensure Bemax's ability to satisfy demand for zircon, especially from China, and the worldwide demand for titanium dioxide feedstock. The company's resources in the Murray Basin and in Western Australia have been calculated to provide sustainable production at present rates for more than 60 years.



Bemax operates a sand dredge and concentrator at the Ginkgo mine, located about 50 kilometres west of Pooncarie and 230 kilometres south east of Broken Hill. It produces more than 500,000 tonnes of concentrate a year for transport by road to Broken Hill.

A Mineral Separation Plant (MSP) at Broken Hill processes mineral sand from the Ginkgo mine. Expenditure to date on all aspects of Bemax's operations in NSW is in excess of A\$200 million.

The MSP separates ilmenite, leucoxene, zircon and rutile, and processes more than 500,000 tonnes of concentrate a year to yield almost 400,000 tonnes of saleable mineral products for export.

Bemax's operation of the Ginkgo mine, and the MSP have led to the creation of more than 110 permanent jobs in the Broken Hill area. Other advantages for the area include increased demand for transport and maintenance support services.

Bemax Resources is an environmentally sensitive company. Skilled and experienced management teams lead the Company's rehabilitation programs with a focus on enhancing landforms after mining to improve stability, draining, soil productivity and other important environmental criteria.

The new Broken Hill operation was facilitated by the Department of State and Regional Development, particularly in the area of heavy transport requirements.

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