



**Mineral
Technologies**

A Downer Company

Kenmare Resources - Moma

Mineral Sands Processing.

In 2009 Mineral Technologies delivered a fully integrated mineral processing solution for Kenmare Resource's Moma Plant in Mozambique.

The solution used as much of the existing Beenup plant process equipment as possible, and incorporated a floating wet plant and mineral separator plant.

- Fully integrated solution.
- Successful re-design for greenfield site.
- Production of final Ilmenite on grade.

Kenmare Resources - Moma



Client Kenmare Resources

Location Mozambique

Capability Groups Mineral Processing

Commencement 2006

Completion 2009

Services Provided

- Metallurgical testing
- Flowsheet development
- Basic and detailed plant design
- Construction support
- Process equipment supply and refurbishment
- Procurement coordination and support
- Commissioning services
- Process performance guarantee

Highlights

- 3,500tph Floating Wet Concentrator Plant
- 120tph Dry Mineral Separation Plant
- Laboratory scale testing
- Fully integrated solution
- Successful re-design for greenfield site
- Production of final Ilmenite on grade



Superior Engineering

Mineral Technologies delivered a fully integrated mineral processing solution for Kenmare Resources Moma plant.

The solution used as much of the existing Beenup plant process equipment as possible, and incorporated a floating wet plant and mineral separator plant.

Bulk materials tests determined the optimum equipment (including existing process equipment) and flowsheet for efficient processing of the deposit.

A design team of 55 engineers and drafters worked over a period of 13-months on basic and detailed design.

Existing spirals, electrostatic and magnetic separators were refurbished and supplied with new, additional process equipment.