Mineral Technologies
A Downer Company

Samancor

Chromite processing plants.

From 2015 Mineral Technologies has delivered wet high intensity magnetic separators (WHIMS) to Samancor's Chromite processing plants in Southern Africa.

The most recent installation incorporated a modular plant which was designed, constructed and commissioned by Mineral Technologies.

- Processing existing waste streams from current operations.
- New plant installed, commissioned and tested within 4 weeks.

Downer
Relationships creating success

Project Profile

Samancor

Client Samancor

Location South Africa

Capability Groups Mineral Processing

Commencement 2015

Completion 2016

Services Provided

- EPC modular plant
- Performance guarantee
- Plant commissioning
- Leasing

Highlights

- 65 t/h modular WHIMS plant
- On time, on budget, on specification
- Zero TRIFR
- Customised leasing solution to meet market needs

Smart Engineering

Mineral Technologies worked with local RSA fabricators to successfullly design, construct and commission a new wet high intensity magnetic separation (WHIMS) plant for Samancor.

The new plant was installed, commissioned and tested within a 4 week timeframe.

Incorporating Mineral Technologies WHIMS equipment, the plant was delivered to Samancor as part of a commercial leasing scheme which enables Samancor to pay progressively over pre-agreed timeframes. This new plant joins three existing WHIMS in operation across Samancor's operations in Africa.

Latest Technology

Processing a slightly higher throughput of 65 t/h compared to the other plants which operate at 50 t/h, the new plant successfully passed performance testing.

As an alternative to mining more feed material, the WHIMS plants process existing waste streams from current operations, recovering what the conventional plants leave behind.

Mineral Technologies is an establish provider of re-locatable, modular plants which incorporate core process technology into new low-cost configurations.

In addition to quick assembly and trouble free start-up, the modular plants provide the added benefits of minimal civil engineering work, easy modular scale-up for increased capacity, and re-locatable options to move plants from site to site ensuring optimum return on capital expenditure.