

# Samancor – Modular Chrome Plant



**Client:** Samancor  
**Location:** South Africa  
**Commencement:** 2015

**Capability Groups:** Mineral Processing  
**Completion:** Ongoing

## Services Provided

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

## Highlights

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



## Smart Engineering

The Mineral Technologies design team worked with local RSA fabricators to successfully 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 built at Mineral Technologies' cost and 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 plants already up and running in Samancor's operations across Africa.

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 and is now fully operational.

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

In recent years, Mineral Technologies has become the 'go to' provider for relocatable, modular plants which incorporate core process technology into new low-cost configurations. The WHIMS plants delivered for Samancor are part of the wide range of designs now available.

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

