

// Project Experience

Merensky

Location: South Africa

Scope: Engineering, Procurement & Construction (EPC)

Completion: 1999



The Impala Flotation Plant was designed to replace and upgrade the old flotation circuit. The tank flotation circuit was designed to increase recovery from the feed of the existing 15 mills.

The plant was designed to handle surges of up to 2 500 t/h with nominal operation at 2 200 t/h. The scope of work included new pipelines from the existing mills, conditioning tanks, surge feed tanks, 10 × 130 m³ flotation tanks, concentrate handling and batch weighing, tailings sampling and disposal.

The installation consisted of all civil, structural, mechanical, electrical, control and instrumentation. The plant was designed to operate continuously at optimum efficiency with a bypass facility for maintenance. The plant control system was of a high level to allow automation, thereby limiting operator supervision.

