

Sibanye Stillwater

W.R.T.R Modular Test/Pilot Plant

PROJECT DESCRIPTION

Design & construction of a modular flotation and filtration test/pilot plant to run parallel with the main W.R.T.R. Plant. This plant was used to derive information for the main plant operation based on the processing of test material mined on the existing tailings facilities.

PLANT CAPACITY

3tph

LOCATION

South Africa, Carletonville

CONTRACT TYPE

EPC/Turnkey

SCOPE

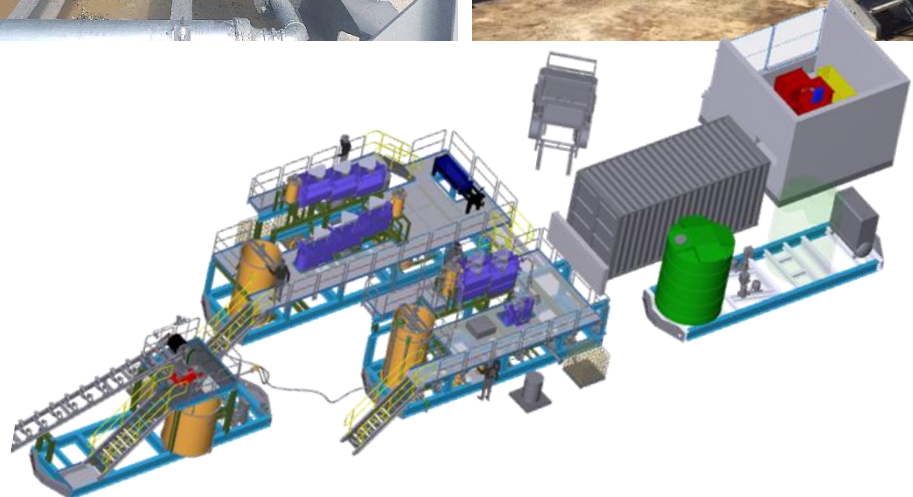
- Engineering & Design
- Project Management
- Procurement Support
- Site Management
- Commissioning

PERIOD

2009 - 2010

Sibanye Stillwater Mining Company embarked on a project to recover and re-process historical tailings at their operations close to Carletonville, South Africa (West Rand Tailings Re-treatment Project).

As part of this project, LogiProc was appointed to design and construct a semi-mobile Test/Pilot Plant to optimise the operating conditions of the Main West Rand Tailings Re-treatment plant. The aim of the test/pilot plant was to verify the flotation metal recoveries and mass pulls at the recommended retention time, reagent addition and air addition for various representative feed material streams. The plant consisted of multiple skids, including Feed Preparation, Circuit 1 Flotation, Circuit 2 Flotation complete with Reagent dosing, Utilities skids and fully operation control room and MCC.



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