



GOLD MINES OF UGANDA



TURNKEY SOLUTION



BACKGROUND

In 2009 Maed Limited built and commissioned both a 600,000 TPA alluvial gold processing plant and a 50,000 TPH fresh ore trial gold processing plant for client Gold Mines of Uganda.

Both plants were completed together with all the infrastructure requirements for a remote mine-site such as roads, water and power supplies, Tailings Management Facility (TMF) and buildings.

A fully functional site laboratory was also supplied and operated by Maed.

The plants were completed within budget (US\$8.5million) and on time.

The project location was in the Mubende district in central Uganda and Maed had to construct the 9 km of access and site roads as part of the overall infrastructure.





SCOPE OF WORK

The alluvial plant comprised a feed bin, high capacity rotary scrubber, pump stations, screens, primary and secondary stage concentrating tables, Knelson concentrators, clean up tables and a smelthouse.



INTEGRATED ENGINEERING SOLUTION

Our expertise was employed in the following areas of the project:

The fresh ore circuit comprised a jaw crusher, conveyoring, screening, secondary cone crusher and ball mill. The ball mill was in open circuit grinding the material that was feed to the gravity recovery plant and smelting facilities.

All process and potable water supplies were provided in and around the site as were workshops, offices, stores, accommodation and messing block.

The processing plant site built by Maed encompassed fuel storage compound, power generation, HT and LV power reticulation, raw water dam, lined process water ponds, tailings pond and all pumping stations.



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GOLD ASSAYING

In addition to the processing facilities an assay laboratory was established capable of both gravimetric gold determination by fire assay and solution gold determination by atomic adsorption.