

## Vent Shaft Surface Conveyor System



### Scope of Work

PLC & Scada Supply, Installation & Commissioning South Deep New Surface Conveyor System

Location	Westonaria
Client	Goldfields
Project Type	Electrical & Instrumentation
Value	R 44 363,979.40 Million
Duration	12 Months
Completion Date	October 2012



### Project Overall Description

Gold Fields South Deep Twin Shaft is in a project phase to expand the capacity of the mine. Part of this expansion project is the new A-frame headgear and the winder house over the. Existing vent shaft headgear. The objective is to hoist the broken ore up the vent shaft and Install an additional surface conveyor from the vent shaft to the Metallurgical Plant stock pile. Logiman have been contracted by Gold Fields to construct the new vent shaft conveyor system. Goldfields commissioned a system of conveyors to link their newly developed vent shaft (the site of the 2010 category award winning headgear), to their plant stock pile. A system of four conveyors starts under the discharge chutes of the vent shaft reef bin, passes through two transfer towers and a silo and ends with a head-end discharge over the stock pile. The total length of the conveyors is approximately 650m and weighs in at over 600 tons. The system consists of 21 prefabricated gantries of approximately 30m each that were delivered to site complete and ready for lifting.