



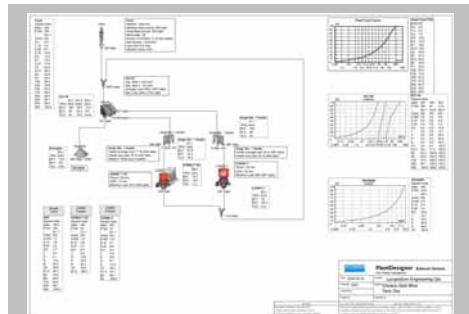
## Chirano Gold Mine Expansion Options (using Plant Designer software)

**Project Category:** Design Review

**Client:** Lycopodium Engineering – Chirano Gold Mine

**Location:** Ghana, West Africa

**Commodity:** Gold



*Three stage crushing plant feeding to the milling circuit*

### Scope of Work

To review the vendor designed crushing circuit for the upgrade of the Chirano comminution circuit. The study compared predicted plant performance with different ROM gradations, feed CWI and screen calculation methods.

### Flowsheet

Three stage crushing of the feed to the existing milling circuit.

### Notable Feature

Comparison of conveyor belt capacities using two common screen load calculation methods (US and European).

### Outcome

The model showed a possible issue with the overloading of the screen at high circulating loads. It was recommended that screen deck media and total screen carrying capacity (weight of material) should be reviewed to confirm the appropriateness of the selected equipment to the modelled duty.