



## RTIO Mass Balance Modelling (using Limn software)

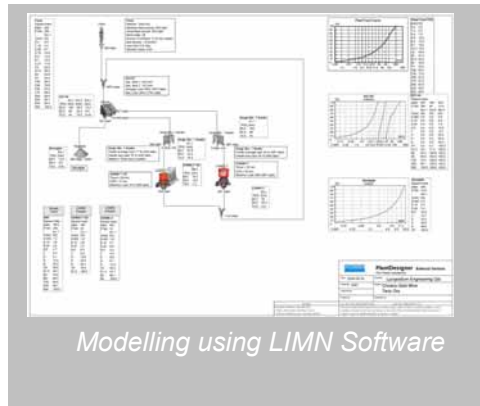
**Project Category:** New Design Modelling

**Client:** Rio Tinto Iron Ore Atlantic Limited

**Location:** Simandou, Guinea, West Africa

**Capacity:** 10,000 tph

**Commodity:** Lump, Iron Ore, Sinter Fines  
and Pellet Feed



### Scope of Work

Ten different Limn flowsheets were developed, incorporating two and three stage crushing, wet de-sliming and combinations of different products. The flowsheets included scoping study level of accuracy and level mass balances. Model Users Manual was also supplied as a deliverable.

### Notable Feature

The flowsheets adopted unit processing models as defined by the client, and were mass balanced for comparison of product rate generation.

### Outcome

Delivery of working mass balance models to allow scenario analysis for optimal circuit configuration selection.