

# ALUMINA REFINERY, GUINEA FEASIBILITY STUDY ESTIMATE



## The Client



**ALCENG**  
Alcan Engineering

Concept level study for red side of proposed alumina refinery, Kamsar, Guinea.

## The Project

- Identify module construction locations (PAM yards) around the world
- Take modular design from previous project and adjust as necessary to suit Kamsar site specific constraints
- Apply module construction metrics for each location
- Obtain module shipping costs, heavy lift and roll-on-roll-off options
- Compare to stick-build considering in-country logistics and resource availability
- Produce Class 5 estimate for best solution for project

## The Challenge

- Development of truly objective comparison model for global module construction costs
- Normalise red side estimate to facilitate comparison with project partner's estimate and for combination with estimates by others for white side, infrastructure and mining scopes
- Participate in global coordination of study with teams in France and US



## The Outcome

- Class 5 estimate for project
- Project metrics to suit participant organisations' capital approval procedures
- Study report



*'experience makes a difference'*