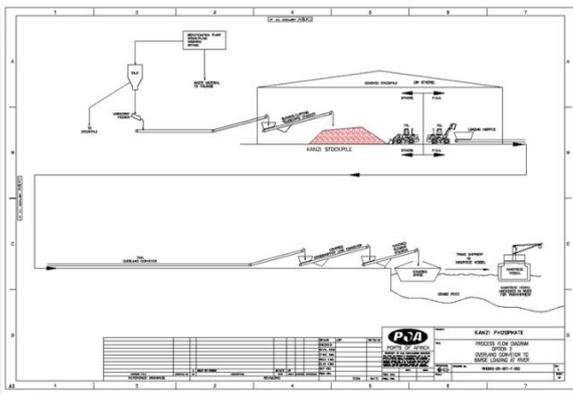
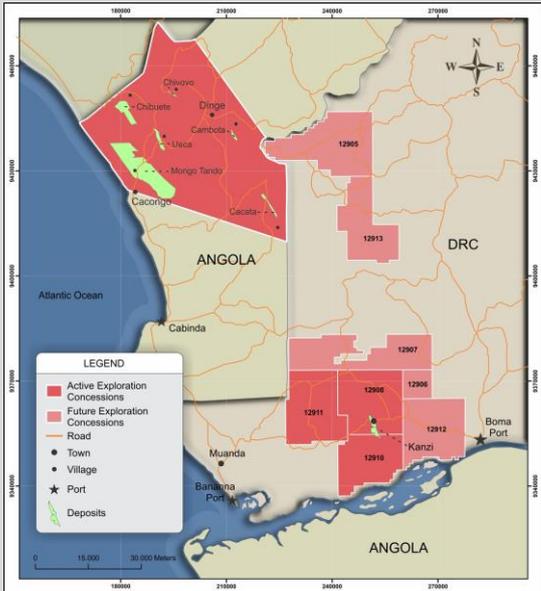


LOCATION  
**DEMOCRATIC REPUBLIC OF CONGO**

SECTOR  
**PHOSPHATES**

CLIENT  
**MINING COMPANY**



## Minbos Resources Kanzi Phosphate Project

### OVERVIEW

Minbos Resources, an exploration and development company focussed on phosphate deposits in central Africa, own a deposit in the vicinity of Kanzi, on the northern bank of the Congo River, downstream from the DRC port of Boma.

In December 2012, A-Cubed was appointed (as Ports of Africa) by Minbos to undertake an initial feasibility study to provide a high-level understanding of the materials handling as well as the land and marine logistics requirements along with the related materials handling equipment and structures for port and logistics facilities.

With the port of Boma being in close vicinity to the mine, it was necessary to consider the trade-offs with using a small port such as Boma, or to provide one's own bespoke facility. The study team gave consideration to this and it was recommended, for a number of reasons, that being self-sufficient in terms of storage and jetty facilities would be of greater benefit to the project.

### SCOPE OF WORK & METHODOLOGY

Lead by a senior port engineer and logistician, the study team travelled to site at Kanzi and met with port officials at Boma and observed ships working in the port. This was followed by a visit to the new jetty site near the mine. Pertinent information and data was gathered during the site visit and meetings also held with the river authority to understand marine conditions in this area.

The data was then analysed and a logistics strategy developed to maintain product integrity and minimise costs in all links of the supply chain, from the beneficiation plant, stockpiling at the mine, transporting to the port, stockpiling at the port, loading into a barge and then transhipping to an ocean-going vessel at a transshipment station in the stream.

