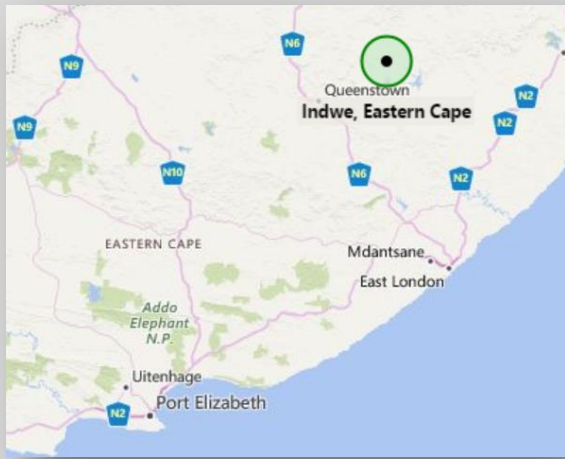


LOCATION
SOUTH AFRICA

SECTOR
COAL

CLIENT
MINING COMPANY



OVERVIEW

Elitheni Coal identified the area of Indwe in the Molteno Coal Field in the Eastern Cape as holding significant deposits of coal suited for certain niche markets. Under the umbrella of Ports of Africa, A-Cubed were appointed to conduct a logistics prefeasibility study focussed on using the nearby port of East London and the existing national rail network in the supply chain.

The study included the materials handling engineering component that would develop appropriate processes, systems and equipment needs for the export supply chain.

The Molteno Coal Field has an interesting historical aspect to it in that the first coal mine in South Africa was developed there in the mid-19th Century.

SCOPE OF WORK & METHODOLOGY

The overall objective of the study was to provide Elitheni with a capacity study outlining an assessment of the current road, rail and port infrastructure with simulation modelling of the entire system and input into the proposal for technical solutions for materials handling at the mine and at the port.

The report also outlined capital and operating cost estimates with a financial model comparing the proposed alternatives.

The methodology adopted was based on an initial site visit to mine and port and a survey of the rail route and major railway stations on the route. Meetings were also held with the rail and port authorities in East London and Port Elizabeth and regular contact and project meetings held with them as the project developed.

Bottom discharge Containers



Rotational discharge Containers

