

PROJECT MANAGEMENT

Project Management

International

Cape Three Points Deep Sea Port

Client: SBE Consulting Engineers
 Location: Gulf of Guinea, Ghana
 Period: January to December 2010

Cape Three Points Deep Sea Port Feasibility Study

Maritime trade in the Gulf of Guinea is characterised by the lack of a major (hub) deep sea port to serve the expanding demand for international shipping in the region. Existing antiquated and inefficient ports in West Africa are not able to accommodate new shipping and commodity handling technologies.

In response to this challenge, agencies of the Belgian and Ghanaian governments co-operated to award SBE, a Belgian-based engineering consultancy specialising in hydraulic and marine engineering, a project to investigate the feasibility of establishing a new deep sea port on the coast of Ghana.

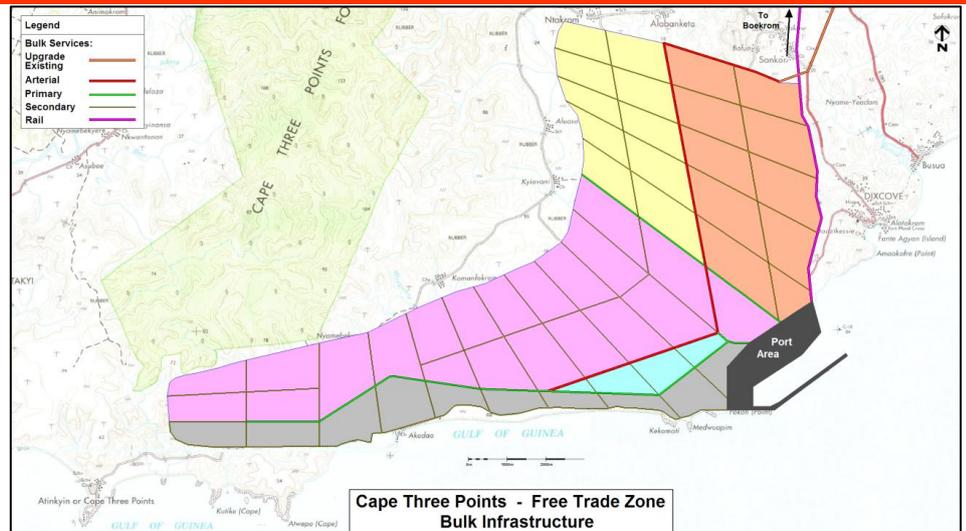
SBE consequently engaged PMI to undertake specialised aspects of the feasibility study.

The Study

The main elements of the study can be summarised as follows:

➤ Background and Overview

- Terms of reference, and location
- Review of worldwide shipping trends
- Review of West African shipping
- Overview of Ghanaian shipping



➤ Potential Sites for the Port

- 5 locations spanning much of the Ghanaian coast were identified as potential deep sea port locations:
- Axim / Half Assini
- Cape Three Points
- Komenda
- Salt Pond
- Keta to Afoa area

➤ Analysis of Sites

- Each of the sites were analysed from the following perspectives:
- Environmental - social and physical
- Design parameters - oceanographic and climatic factors
- Technical, design and cost considerations
- Economic considerations, including the potential for an associated

Free Trade Zone adjacent to the port.

➤ Study Outputs

- The most favourable site was determined to be in the Cape Three Points Region
- A conceptual design, with costs, of the port was prepared to meet the envisaged shipping demand and to best utilise local conditions
- A Free Trade Zone plan was configured to compliment the port development and connect with the hinterland.

