

Project Management International

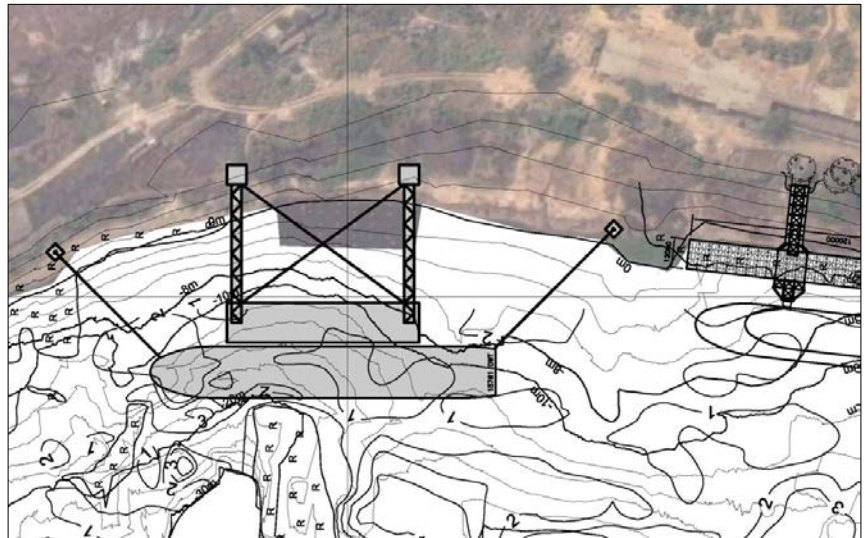
Site Investigations and Conceptual Design of a River Terminal

Client: Puma Energy
Location: Congo River, Matadi, DRC
Period: November 2012 – September 2014

Congo River Oil Products Terminal Site Investigations and Design Conceptualisation

Puma Energy is investigating options to develop a CBM terminal and oil products tank farm on the Congo River.

PMI were appointed to undertake site investigations and to prepare design concepts for the river terminal.



options for the marine terminal, including:

- A new fixed quay
- Refurbishment of a disused quay
- CBM terminals, in various configurations

Various concepts for the terminal have been prepared with cost estimates and broad implementation plans, in association with the Client.

The Works

Site investigations were undertaken along a 1km stretch of the Congo River in November 2012.

The geophysical and bathymetric surveys were conducted simultaneously using imported equipment and a local survey vessel.

Topographic surveys were conducted using GPS rover technology linked to a benchmark established by PMI referenced to the DRC national grid.

Design development work proceeded after the survey report was finalised.

Conclusion

The project was executed to the Client's satisfaction, within time and budget.

Scope of Work

Site investigations included:

- Sub-bottom profiling
- Sidescan sonar surveys
- Bathymetric surveys
- Topographic surveys
- Grab sampling

Conceptual design work was based on the site investigation results and the Client's operational requirements, and involved developing and testing

