

PROJECT MANAGEMENT

Project Management

International

LUANDA FISHING PORT CBM AND QUAY WALLS PROJECT

Client: Pumangol Industrial Lda / CPPE
Location: Luanda, Angola
Period: November 2013 – December 2015

Luanda Fishing Port CBM and Quay walls Project.

Puma Energy, with the help of CPPE, is currently constructing an onshore tank farm in Luanda, Angola. The onshore tank farm will be complete in February 2015. In order to service the on shore tank farm, the construction of an offshore CBM and liquid bulk quay wall terminal is required. PMI was appointed as Project Managers for the marine aspects of the project as well as other aspects outlined below in the high level scope of work:

Scope of Work

- Design works related to CBM, pipeline and quay walls
- Site Investigation work (Vibrocore, seabed CPT, Jack Up Barge Boreholes, Jack Up Barge CPT)
- Procurement Management
- Installation of CBM
- Installation of Pipeline (2 x 20" pipeline pull)
- Project Management of quay wall installation (2 berths)
- ABS certification

The Works

Site Investigation:

PMI have completed the site investigation work related to the CBM and offshore pipeline aspects of the projects. An additional geotechnical site investigation campaign is planned for December 2015 to assist with the quay wall design and installation.



Design:

To date (October 2014) PMI, have fully designed the offshore CBM system, able to accommodate 225 000DWT vessels. The system consists of an 8 buoy mooring arrangement (PEM58x2000 buoys, 120ton QRH, 90mm chain, and 8 ton drag anchors).

Procurement:

PMI is managing the procurement of long lead items, scheduled to arrive in Luanda during January 2015, these include anchors, chains, buoys, flexible hoses, PLEM and pipeline.



Installation:

PMI will do the assembly of CBM components and installation of the CBM will take place in early 2015. The dual pipeline installation will be installed by a pipe pull operation.

Project Management

PMI will remain the lead project manager during the installation of the quay walls. Preliminary design of a sheet pile quay wall has been performed.

Conclusion

The project is currently on schedule and it is forecast that the CBM will be operational in March 2015. Detailed design of the quay wall will take place after the geotechnical campaign in December and construction of the quay wall should begin after the CBM installation.

