



**Client**  
LCT



**Location**  
Lomé, Togo



**Period**  
February 2011 – January 2014

### Lomé Container Terminal GSI

LCT, contracted PMI Ltd to perform a number of site investigations for the expansion project of Lomé container terminal. Expansion plans involved the construction of a new harbour basin and quay walls for bigger container vessels. The access channel and turning circle were also dredged to deeper depths to accommodate the container vessels with a deeper draft.

### The Scope of Work included:

The complete scope of works was executed in a number of stages across a broad time frame. The complete scope of work was as follows:

#### Marine Surveys:

- Bathymetric surveys
- Side scan sonar surveys
- Sub-bottom profiling
- Sediment sampling
- Magnetometer survey

#### Offshore Geotechnical:

- 18no Vibrocores
- Grab Samples

#### Onshore Geotechnical

- 21no onshore boreholes
- 85no onshore CPTs

### Execution

The GSI work was performed using the broad spectrum of PMI's resources including the following:

- Multicat Vessel PMI Tiger and Geocorr vibrocore machines
- 200kN Geomil truck mounted CPT Rig
- Fraste Hydraulic Rotary core/percussion drilling rig
- Marine survey vessel – PMI Solstice
- Bathymetric and geophysical surveying equipment
- Total stations and GPS equipment
- Professional engineers and support staff



### Conclusion

The contract was executed successfully and the quality data obtained from the site investigations helped the Client save a significant portion on the final contract value of the newly constructed port expansion.

