



**Client**  
Lonrho Ports Ghana (Ltd)



**Location**  
Atuabo, Ghana



**Period**  
February 2012 - May 2012

### Atuabo Oil Services Terminal Site Investigations

Lonrho Ports Ghana (Ltd) required site investigations at Atuabo, Ghana, to inform the preparation of a Master Plan for a new Oil Services Terminal.

Royal Haskoning Consulting Engineers prepared the specifications for the investigations and managed the contract awarded to Project Management International (PMI).

#### The Scope of Work included:

- Onshore Cone Penetrometer Testing geotechnical investigation.
- Onshore percussion and rotary core borehole drilling, sampling, and logging.
- Offshore vibrocore geotechnical sampling, and logging.
- Topographic surveys of the 3.25 x 1.6km project site on a 50x50m grid.
- Offshore metocean data gathering surveys.
- Offshore bathymetric survey.
- Offshore sub-bottom profiling survey.
- Offshore Sidescan sonar surveying.
- Laboratory testing of geotechnical samples.
- Project reporting, inclusive of factual reports, laboratory reports, data preparation, drawing production and printing.



#### PMI Resources on Site:

- 200kN Geomil truckmounted uCPT rig.
- Fraste Hydraulic Rotary Core/Percussion Drilling Rig.
- Multicat vessel and geocorer vibr core machine.
- AWAC metocean data recording devices.
- Total stations and GPS equipment for topographic surveys.
- Professional Geotechnical Engineer and support staff.
- Geotechnical Contracting Site Agent and support staff.

#### Contract Execution

The contract was executed to the required standards, in close cooperation with Royal Haskoning Engineers.

