

Assessment and technical assistance for upgrading Takoradi Shipyard, Ghana



Slipway lower cradle going down



Temporary cofferdam with sand bags



Slipway upper/lower cradle combined going down

DEMAs performed the survey to establish the need for the rehabilitation of the Shipyard, collected data, prepared general layout and design drawings and prepared technical specifications. Based on that data the cost of the works was estimated and used to prepare a bid by Amandi to the Ghana Ports & Harbours Authority (GPHA).

DEMAs continued its services during the execution.

DEMAs did render its services to support the client in executing of the project by providing: general and detailed designs, work methods, consultancy services and supervision (through Amandi's Project Manager). These services involved carrying out a detailed assessment survey, collecting & analysis of data, setting up Client's requirements statements, preparing drawings & technical specifications for the slipway, the dry dock and the workshop and supervising the implementation on site from an engineering point of view.

A nine meter high cofferdam constructed from sand between bunds of sand bags was designed by DEMAs and build without the use of mechanical equipment other than loading pontoons.

DEMAs sourced the winches for the movement of the cradles of the slipway and for the operation of the doors of the dry dock and assisted with the commissioning of the winches. Furthermore, DEMAs sourced the machines for the machine workshop, the carpenter shop and the foundry shop of the shipyard and organised the procurement and shipment of the machines to the site.

Client

Amandi Holding Ghana Ltd

Location

Ghana & The Netherlands

Year

2007 - 2008

Services

- technical assistance
- design slipway cradles
- design dry dock layout
- source machines, winches equipment

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