

## Dredging, Reclamation and Shoreline Protection Works for Bandar Seef Development, Busayteen and West Hidd Reclamation, Kingdom of Bahrain.



The Project involved the reclamation of approximately 29 million m<sup>3</sup> for two housing development, one near Busayteen and one near West Hidd. It included the supply and construction of shoreline protection at the outer perimeters. The fill material was dredged from various borrow areas by two medium size Trailing Suction Hopper Dredges and two medium size Cutter Suction Dredges. The material was pumped to the various fill areas through floating, sunken and land-based steel pipelines and reclaimed under very strict environmental restrictions concerning the dispersion of sediments to the surrounding waters.

The construction of the shoreline protection of the reclamation areas consisted of a core of quarry run, covered on the outside with rock armour. Some parts were protected by sacrificial sandy beaches together with rock groins.

DEMAs provided a dredging consultant to advise and support the project management on all dredging and reclamation related matters. This included planning, liaison for the Main Contractor with both Resident Engineer and Dredging Subcontractors on technical matters and advising the Main Contractor on the use and suitability of plant proposed for the project.

### Client

Al Ghana Contracting WLL /  
Wade Adams (Bahrain) WLL

### Location

Kingdom of Bahrain

### Year

2005

### Services

Dredging Advise and General  
Project Support to Main  
Contractor

**demas**  
dredging consultants bv

Herbarenerf 7  
2743 HA Waddinxveen  
The Netherlands

Tel +31 182 546798  
Fax +31 182 546802

E-mail [demasnl@demas.nl](mailto:demasnl@demas.nl)  
Web [www.demas.nl](http://www.demas.nl)