

Project Data Sheet



Project Sedimentation and Dredging Study

Client PAENAL, Porto Amboim, Angola

Project Since construction the port has suffered serious problems of loss of depth due to the ingress of sediments transported from the south along the coast. PAENAL requested The Bates Partnership (TBP) to provide a proposal for identifying and arranging the collection of the information necessary to study the local hydrodynamic and sediment transport regime to allow a plan for the future maintenance dredging requirements to be established. After submission of the proposal TBP were appointed to undertake this study.

To facilitate this study tidal, current and wave measurement equipment was procured by TBP. A bathymetric survey specification and programme was also established by TBP to ensure sufficient quality data was available for hydrodynamic modelling and maintenance dredge budgets and forecasting.

Once sufficient information was available this report examined the future maintenance dredging options available to PAENAL. Its primary aim was to define the extent of the future dredging requirement and identify the optimum method of dredging to ensure that the Port remains fully operational at all times. The economics of the various options were presented as well as additional logistical and risk considerations. This report allowed an informed decision making process to be undertaken to ensure the long term operational security of the Port and ensure sufficient budgets were implemented.

Dates 2014