



**Country**  
Morocco

**Client**  
Société d'Aménagement  
de la Vallée du Bouregreg  
(SABR)

**Date**  
2004-2008

### Sogreah's services

- Finalisation of the overall layout
- Numerical modelling
- Preliminary and detailed designs, preparation of tender documents for the various works
- Assistance to the Owner for all the works

### Context

His Majesty King Mohammed VI gave instructions to develop the Bouregreg valley site separating the two cities of Rabat and Salé. The urban and tourist development project will cover an area of 5000 ha from the sea mouth up to Sidi Mohammed Ben Abdellah dam, 23 km upstream. This scheme, which is of national importance, will be innovative in terms of its funding and institutional set-up.

### Description

The project will be broken down into 6 progressive development sequences starting from downstream, each one involving different investors. SABR commissioned the consortium comprising Sogreah (leading partner), CID and LPEE to carry out all the river and maritime

studies, the keystone to the development scheme. In addition to designing the structures correctly, it is also necessary to ensure the following:

- ◆ stabilised beaches offering good quality bathing,
- ◆ good quality water, in particular in the lake (renewal rate),
- ◆ proper operation of the harbours (wave disturbance, access, silting, sand deposition, etc.),
- ◆ satisfactory flow conditions, in particular around the island,
- ◆ good maritime access and navigation conditions in the estuary,
- ◆ little sand deposition in the shipping channel,
- ◆ stability of the Oudayas cliffs in relation to any sea or river attack.

### Sogreah's role

- ◆ Summary of natural data.
- ◆ Study of the potential yachting market.
- ◆ Finalisation of the overall layout in conjunction with the architects and landscape designers.
- ◆ Numerical modelling of currents in the entire estuary.
- ◆ Physical modelling of sedimentology in the river mouth.
- ◆ Preliminary and detailed designs and preparation of tender documents for the various works (marina, fishing harbour, quays, training embankments, outer breakwaters, beach, 1000 ha lake).
- ◆ Supervision of the assignment to assist the Owner in implementing all the works.