



Country
Morocco

Client
REDAL

Date
2003-2009

Cost of works
€35m

Sogreah's services

- ▶ Design Services
- ▶ Assistance to the Owner

Description / Particularities

- Sea outfall from the new treatment plant at Rabat;
- Discharge of 6 m³/s;
- 2100 m long section at sea discharging at -22 m;
- Difficult geological conditions requiring an 800 m tunnel in the rock with a reinforced concrete pipe pushed inside;
- 1800 mm diameter HDPE pipe for the remainder ;
- Steep shore highly exposed to Atlantic waves.

Detailed services:

- 3D mathematical modelling of effluent dispersal;
- Technical feasibility of various solutions (tunnel, driving, pipe in trench);
- Determination of the main characteristics of the outfall and forebay;
- Preliminary design, competitive bidding documents for the structures;
- Assistance with bid analysis;
- Assistance to the Owner during the works.