

**Country**

Morocco

Client

TMSA
Bouygues-Saipem
consortium

Date

2001-2004, 2005
and 2006-2008

Cost of works

€1400m

Sogreah's services

- ▶ Design Services
- ▶ Assistance to the Owner

Description / Particularities

Three ports studied in succession:

- Tanger Med: general container and solid/liquid bulk port (in operation);
- Tanger RoRo: roll-on roll-off port (under construction);
- Tanger Med II: container hub (at design stage).
- Total length of quays: containers 5000 m, bulk 480 m;
- 8 RoRo berths, 3 petroleum berths;
- Total length of breakwaters: rubble mound breakwaters (down to -20 m): 4700 m; caisson breakwaters (down to -35 m): 5300 m;
- Total area of reclamations: 335 ha.

Detailed services:

- Study of site conditions (waves, currents, sedimentology);
- Technical and economic feasibility study;
- Navigation studies, stability studies using 2D and 3D scale models (for the consortium);
- Preliminary and detailed designs and tender documents for the breakwaters, dredging, quays and reclamation areas.