



Country
Lebanon

Client
Solidère

Date
1991-2000

Cost of works
\$300m

Sogreah's services

- ▶ Design services
- ▶ Assistance to the Owner

Description / Particularities

- 60 ha sea extension for urban development;
- 1700 m of maritime protection;
- Water depth varying from 15 to 20 m;
- Waves 9m high;
- Strong esthetic requirements.

Detailed services:

- Wave studies;
- Physical scale modelling;
- Preliminary design;
- Tender documents;

- Assistance to the Owner with bid analysis, works contract procedures and supervision of works.