

**Country**

France

Client

Syndicat Mixte Baie de Somme - Grand Littoral Picard

Date

2005-2007

Cost of works

€18m

Sogreah's services

▀ Design Services

Description / Particularities

- Pebble shore stretching 18 km between Ault and Le Hourdel.
- Shore being eroded through insufficient supply of pebbles.
- Artificial nourishment (60 000m³/yr of pebbles) to maintain the beach.
- Definition of management procedures for the Bas Champs shore.
- Study with a view to consolidating the pebble shore protecting built-up areas at Bas Champs.
- Consideration of the socio-economic and environmental context of the shore.

Detailed services

- Definition of investigations (topographic and bathymetric surveys).
- Inspection of existing structures.
- Study of site conditions (waves, currents, winds, sedimentology).
- Hydrosedimentary study: changes in the pebble shore.
- Mathematical modelling (wave propagation and changes in the beach).
- Definition of coastal protection and preservation measures.
- Definition of a shore monitoring programme.