

**Country**

France

**Client**

Port de Lille

**Date**

2003-2006

**Cost of works**

€11 900 000 exc. VAT

**Sogreah's services**

Complete project coordination and management:

- ▶ Roads and miscellaneous utility networks
- ▶ Sewerage
- ▶ Civil works
- ▶ Railways

**Context**

As part of its development programme, the Port of Lille (the third inland port in France) wished to extend its multimodal platform. Sogreah provided complete project coordination and management services for the scheme, which will enable the Port of Lille to develop river transport.

**Description**

◆ Construction of a 5 ha multimodal platform. Roadway structure formed to a depth of 1.76 m. Tests were carried out to enable a choice to be made between various structures:

- . entirely surfacing materials,
- . crushed slag and surfacing materials,
- . wearing course made of semi-rigid surfacing,
- . high-modulus surfacing material.
- ◆ Construction (2500 m) of railways with 750 m of storage sidings.
- ◆ Complete sewerage with installation of class F900 gully hole grids, 300-1000 mm diameter pipes, a 200 l/s lifting station and lamellar settling tank to meet quality objectives.
- ◆ Installation of 35 m high lighting masts providing 40 lux coverage of the entire platform.

- ◆ Construction of 380 m of wearing course founded on 92 piles in order to accommodate a future handling gantry.
- ◆ Installation of electricity (construction of a new transformer substation supplied with 15 000 V), telephone and drinking water networks.
- ◆ Installation of energy and drinking water distribution terminals at the quayside.

These works involved the use of innovative techniques in terms of the platform structure.