

PORT 2000 PROJECT

LE HAVRE- FRANCE

Piezometer survey during dewatering works for the construction of a 1400 metre long wharf.

The maritime port of Le Havre, situated at the mouth of the Seine, is France's largest port facility.

The French company "Port Autonome" began during autumn 2001 the construction of the Port 2000 project. This major infrastructure was built to receive the new generations of container vessels. Port 2000 was made of 12 new wharfs covering a distance of over 4km.

Each wharf will be built during the dewatering of the area. SolData was awarded the project to monitor the water levels in real time in order to control the achievement of the dewatering during the construction of the diaphragm wall.

60 boreholes instrumented with piezometers were drilled and installed. Data were transmitted in real time to the surface through cables connected to our acquisition system Geoscope web, located 3km away from the instruments. All water levels were recorded and could be displayed in real time.

The system provided two main functions:

- The editing of daily, weekly and other periodical reports.
- An early warning system in case of sudden changes in water level.



OWNER :	PORT AUTONOME DU HAVRE
COMPANY	SOLÉTANCHE BACHY
PROJECT DURATION:	2001-2004
SCOPE OF WORKS:	
<ul style="list-style-type: none">• 60 marine Vibrating wire piezometers.• Real time monitoring throughout the dewatering period.• Radio transmission of data over 3 km• Monitoring of tidal changes• Alarm & Data management, with manual reporting for the 3 year duration of the project.	