

DIEPPE lock

Quebec Quay - Dieppe

Lock monitoring during construction works.



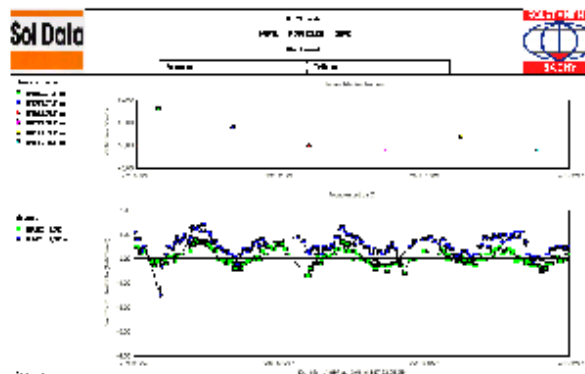
The port authorities decided to enlarge the lock in order to welcome bigger ships in the Harbour.

The construction of new diaphragm walls must not affect the lock still in operation.

One Cyclops monitored in real time movements of the quays and during the works to ensure the safety of the site.

Monitoring prisms were fixed on the piers whilst references prisms were installed out of the critical area.

The measurements highlighted cyclic movements of the quays under the influence of the tides.



Above :
General view of the site with CYCLOPS installed on the roof of the lock house

Left :
Horizontal movement of the quay linked with the tide

CLIENT : DDE

DATE OF WORKS : 1997

Works done :

- Installation and maintenance of 1Cyclops with 50 prisms,
- Real-time monitoring, alarms and reports