

## Rehabilitation with **HOBAS® NC Line®**

During 2003 contacts were established with one of the most important companies nationwide for water management, SMAT. This company is in charge of the sewer and water pipelines and purification plants and their choices are often taken as a kind of guideline by the other companies in the region.



Turin, Italy has a network of sewer pipelines which comes from the ancient time. It is estimated that more than 80% of these pipelines are egg-shaped; even today, most of the new ones are made with egg-shaped concrete pipes.

During the contacts with the maintenance department of SMAT the possibilities of relining with HOBAS CC-GRP Pipe Systems was emphasised, for both circular and non-circular shapes. In the municipality of Turin and Venaria the rehabilitation of an egg-shaped pipeline of approx. 536 m was necessary. 136 m of that pipeline were close to collapse. With the common effort of HOBAS Organizations, the advantages of HOBAS NC Line were discussed and comprehensive information provided.



The meeting was successful and, although HOBAS NC Line relining technique is totally new for the Italian market, the

customer was convinced. The price of HOBAS NC Line was an argument, too. The original idea of the relining sleeve was abandoned and the first 136 m of HOBAS NC Line DN 614/1064 were ordered.

The pipes will be delivered at the end of June and installed by a local contractor. Having no experience with these kind of pipes, the contractor was quite sceptical but was finally convinced of HOBAS CC-GRP Pipe Systems. Additionally, HOBAS provided the trolley required to transport the new pipes into the old pipeline. This project is considered an important success because in the Piemonte region many cities have networks of ancient NC pipelines to rebuild, but so far none of them took the risk of using a new technology. This project is definitely the most representative reference that HOBAS could acquire in the region.

Overview	
Year of Construction	2004
Length of Pipe	136 m
Diameter	Egg profile DN 614/1064
Installation Method	Relining
Application	SewerLine®
Client	SMAT, Turin
Advantages	New technique for Italian market