

---

## Utility reconstructions without uncovering the ground suiting different technical requirements

BONEX Building Co. Ltd. offers its more than twenty years experience in utility reconstruction technologies of pipe relining without uncovering the ground. These technologies suit perfectly the existing technical parameters and offer a full range of reconstruction technics with the emphasis on the following points:

- The relining pipes within the reconstructed pipes comply with static requirements;
- The applied materials and structures resist to a wide variety of pressure ranges, aggressive materials and the transportation capacity will not be reduced or will decrease only by a minimal rate;
- The application of the pipe relining technologies allows a quick installation, continuous operation and thus guarantees an economic solution.



**We are certain that you can choose the optimal solution from our methods for your problems of reconstruction:**



Pipe relining with glass fibre reinforced polyester (GRP) pipes



Our oldest licensed reconstruction technology is especially suitable for the reconstruction of sewers and gravitational pipelines. It is applicable for any size and shape of tubes (i.e. diameter 200-3000 mm, round, oval, etc.) Its resistance to chemicals is excellent.

Relining is performed from a starter shaft and the cavity between casing and reliner will be injected.



BONEX-SPIRAL



The reconstruction of round pipelines will be made with the use of PVC strips and a winding technology on the spot.

With the help of a special winding machine the sections to be reconstructed will be lined from the existing shaft. Thus there is no need to uncover the sections. The extruded PVC strip together with double rubber seals form a continuous watertight and chemical-resistant lining.



Compact Pipe  
Close-fit technology



The idea of this method which has been developed by WAVIN in Holland is to insert a polyethylene tube (PE 80 or PE 100) folded up into a "C"-shape into the section of pipeline to be reconstructed.

This compressed profile regains its original shape by pressure and high temperature. It sticks tightly to the original pipe and relines the pipe with a minimal loss of diameter.

This method can be applied for the reconstruction of sewer, water and gas pipelines with diameters between 100-500 mm up to an operational pressure of 10 bar.



Compact SlimLiner  
for pressure pipes



Compact SlimLiner is a cost efficient, thin walled polyethylene pipe system for the trenchless reconstruction of pressure pipes of nominal diameter 75-300 mm (from 2003 up to 600 mm). It is an optimal solution in all cases where the pipe is still load bearing and shows only smaller defects.

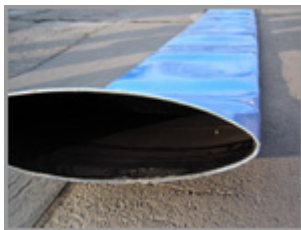


NEOFIT  
for potable water lines



NEOFIT is the trenchless reconstruction method for house connections made of lead and other materials. There is a PET liner to be pulled into the old pipeline and to be widened up to its double size by using a special equipment. The water supply has to be stopped maximum for 1 hour.

NEOFIT is an alternative for the expensive change of water pipes.



Primus Line



Forever Pipe

