

RENOVATION OF HOUSE CONNECTIONS

Robot technology

Improperly installed connections or other obstacles such as root penetration or encrustation must often be removed to be able to reproduce the original cross-sectional dimension before renovation operations can be initialized. This work is carried out using remote control robots from a command vehicle monitored by video surveillance.

By installing various devices on the robot, substantial renovation tasks can be carried out.

These robots are also used to reopen the connections and laterals after pipe renovation with inliners. The exact position of a lateral closed by an inliner can be determined by exact measurement using a TV camera before renovation operations commence.



Connection Repair

We repair defective connections using the so-called "capping system". In this procedure, special cap-shaped pieces of polyester fabric are soaked in epoxy resin and, under video monitoring, are positioned on the connection to be repaired and pressed onto it using a special robot vehicle. The resin is cured using UV light. With this system we renovate sewer pipes with dimensions from DN 200 - 500 mm and laterals from DN 100 - 250 mm.

