

Installation of the Berolina-Liner System in Berlin with more than 250 visitors

UV cured GRP (glass reinforced plastic) liner installation close enough to touch

Berlin, April 25th 2013

As part of the exhibition "Wasser Berlin 2013" many open trench as well as trenchless installation sties could be visited. Among those an old gravity sewer ID 300 mm, owned and operated by "BWB" and located close to the place "Platz der Vereinten Nationen" was subject to a no dig renovation with a UV-cured GRP liner. An area with a lot of traffic and limited space for big constructions and long disturbance to the environment. The construction started in the early morning with the preparation for the installation of the Berolina-Liner System. Cleaning of the host pipe and winching in the gliding foil (to protect the liner) were the first two steps before the Berolina-Liner System was pulled by a winch in to the old pipe. The 108 meter long liner with a wall thickness of 4 millimeter has been tailor-made for this application in the factory of BKP Berolina in Velten, Germany. Three manholes between the start and the end manhole were no problem for the liner. The trained crew of the "BWB" have put jeans caps around the Berolina-Liner in three sections in order to prevent that the liner could overstretch. After closing the ends of the Berolina-Liner with end cans and inserting the UV light train the calibration process started. Once the liner has been closed fit to the host pipe the light train moved to the other site of the construction (start manhole). The curing process started by turning on the 8 x 400 Watt UV-lights and pulling back the train in a predefined speed to the end manhole. The visiting groups had the chance to step close to the manholes and the installation truck of the "BWB". The very successful installation has been finished after 8 hours with reopening the lateral connections. More than 800 km of old pipes in all diameters were renovated last year by using GRP-liners in Germany.

Facts about the Berolina-Liner System:

The Berolina-Liner System is a GRP and Cured In Place (CIP) lining systems for trenchless rehabilitation of pipes. Available in diameters ranging from 150 mm (6 inch) to 1.200mm (48 inch). The system has been successfully installed in all 5 continents, starting commercially in 1997.



Lars Quernheim (CEO of BKP Berolina) explained the “Wasser Berlin” trade visitors the benefits of the Berolina-Liner System.



Releasing the UV-light train 8 x 400 Watt



The visitors had the chance to stay close to the manholes and follow all single steps of the liner installation