

Systematic Pipe Rehabilitation



Compact Pipe

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The installed compact pipe is erected with steam



Pressure pots close the steam system

The product

Following the standard DIN 8074 the compact pipe is manufactured as a standardised pipe with the appropriate wall thicknesses. Already at the factory the product gets the characteristic deformation. Under defined conditions the HDPE pipe is folded with the axial "C". For reasons of winding and mounting the fold is on the side of the pipe. The resultant reduction in cross-section of up to 35 % considerably facilitates

close-fit with the quality of a new pipe



The compact pipe is inserted with the characteristic deformation



Disassembly after steam feeding

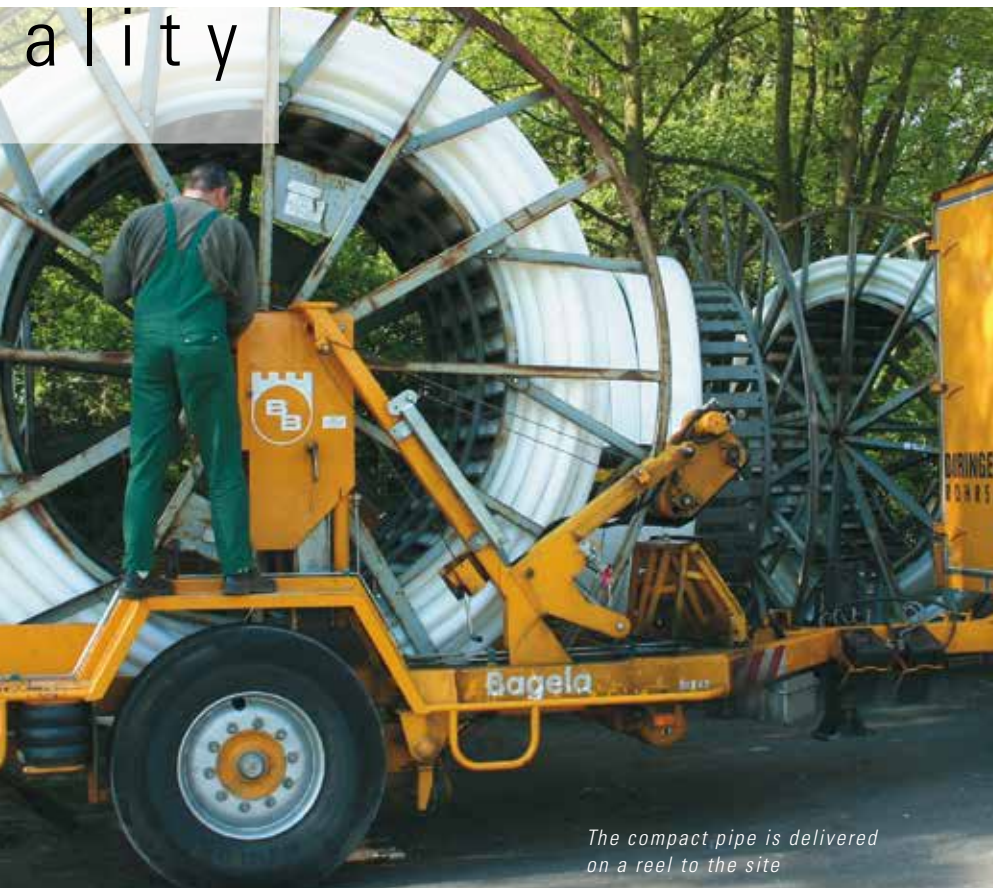
the insertion via existing shafts or into the conduit to be rehabilitated. Depending on the nominal diameter several hundreds of meters can be wound onto a drum and drawn in.



The field of application

The compact pipe is suited for the rehabilitation of water conduits, industrial pipelines, gas and sewage pipes made of materials such as steel, cast-iron, stoneware or concrete in a nominal diameter range from DN 100 to DN 500.

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The compact pipe is delivered on a reel to the site



Boiler plant with steam

The installation

In the compact pipe procedure, a C-shaped HDPE pipe, pre-deformed during the production at the factory, is inserted into a cleaned reach. During the further process pressure and heat then entail a close-fit connection of the inliner with the internal wall of the old pipe thanks to the memory effect.

The advantages

The close-fit lining system is especially advantageous where the inaccessibility of the reaches, a high traffic density or complex superstructures forbid the rehabilitation with an open-cut construction method. Compact pipe rehabilitation means rehabilitation with the quality of a new piping. The result is a statically independent pipe with an adequate load capacity easily satisfying even severe economic criteria. Be-

sides the short installation time, a further advantage of this method is that normally no excavation is necessary, contrary to the open pipeline construction. Residence annoyance as well as impairment of pedestrians and road traffic is kept within acceptable limits.



- BlueLine Procedure
- Burst Lining
- Cement Mortar Lining
- Compact Pipe
- CP-ZA 2012-Top-Hat Profile
- DS-CityLiner
- DS - Hose Relining
- DynTec (close-fit-lining)
- Flexoren Relining
- House and Industry Liner
- Installation Procedures/ Large Profile Rehabilitation
- KA-TE Robotics
- Manual Rehabilitation
- Partial In-Liner
- Pipe Relining (long pipe, short pipe and pipe run)
- Polyester Liner
- Superheated Steam Liner
- UV Liner
- and other procedures

www.dus-rohr.de

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