Project Information Sheet

Project GreePipe

Programme area: Rehabilitation of pressure pipes

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Benefits (max. 150 characters incl. space):
- Less emission of greenhouse gases
- Reducing the loss of water caused by leakages
- Improvement in water flow capabilities
- Increase the sustainability of the underground infrastructure

Keywords: Rehabilitation, environmental impact, efficiency
Sector: Underground Infrastructure, Green Business
Type of solution: Technology

Duration: 09/01/2011 – 26/08/2013
Budget: € 3 Mio (EU contribution: 50%)
Contract number: ECO/10/277335/S12.598703

Summary
The project GreenPipe is a CIPP (cured-in-place pipe) construction of drinking water pipes in a trenchless procedure RS BlueLine® to the same as new, replaced pipes. While using this technology it generates main environmental, cost and time reduction benefits to the contractors. It will demonstrate that the replacement of drinking water pipelines can be achieved at 1/3 less costs, with 98% less waste water at a CO₂ reduction rate of no less than 80%.

The trenchless construction systems are a good alternative to the dig and replace approach. The RS BlueLine® is a Fully-Structural trenchless solution, which generates a new pipe and carries the inner pressure and outer loads without the existing host pipe. In comparison to other replacement technologies the RS BlueLine® forms a much smoother surface and increases the flow capacity.

Target groups are all European cities, water authorities or municipalities, SME or any company/ authority dealing with drinking water infrastructure.

Expected and/or achieved results
- Increase the utilization of the CIPP in water applications from 1% to 5%.
- Reduction of the environmental impact (e.g. greenhouse gases and other emissions by organic compounds) by the equipment
- Decrease of water loss and improve the average energy consumption for the process of water distribution.

The information sheet will be published in the Eco-Innovation website. The EACI reserves the right to edit the information sheet for content and length.