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Technology Partner S a a r l a n d

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Zentrale für
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Saar e.V.



Werner Zimmer



Cutting-edge technology for sewer rehabilitation from Illingen

In the past, the rehabilitation and renewal of sewers and pipes involved road surfaces being torn up and the digging of long trenches. Today, however, karo-san Innovative Kanal- und Rohrleitungssanierung GmbH, based in Illingen, works underground, almost completely unnoticed by pedestrians and motorists. The benefits at a glance: First of all, since no long trenches are necessary, the existing basic structure under the soil as well as trees and bushes are protected, and thus also the environment; secondly, road closures are avoided, enabling traffic to flow freely; thirdly, costs can be reduced by over 50 per cent or more, and the time required to carry out the work is minimised.

Various innovative technologies which have been developed by karo-san and are considered unique across Germany are used. The technology selected for each project depends on the requirements in each case. "No other company offers such an extensive range of rehabilitation technology", stresses Werner Zimmer, founder and director of karo-san.

The following trenchless methods are employed:

Pipe method: Short pipe modules are inserted into the existing sewer, a swift, easy and reliable installation of the individual pipe modules.

Burst lining method: Enables the trenchless renewal of faulty pipes regardless of the damage symptoms, even in the case of a total collapse. This method is carried out using the same pipeline route without the risk of calculations and without preparatory measures.

Special boreholes: In the case, boreholes for house service connections are drilled from an extremely small foundation pit.

TV damage analysis: TV systems developed specifically by karo-san are used in landfill sites, special drainage systems, house supply pipes or in the case of borehole damage.

The unique cutting-edge technology from karo-san for sewer rehabilitation saves time, lowers costs and protects the environment.

Year founded
2005

Number of employees
20

Directors
Werner Zimmer and Arnold Weiland

Contact
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Target groups/sectors
Local authorities, supply and disposal companies, landfill site operators, industry

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