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**Renovation of
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networks under
pressure with
cured-in-place
pipes; RSV leaflet
1.2**

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Renovation of sewerage networks under pressure with cured-in-place pipes; RSV leaflet 1.2

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ABSTRACT: Lining with cured-in-place pipes have been successfully established in the pipeline rehabilitation market over the past 45 years. In the field of renovation of underground non-pressure drainage and sewerage networks the technology is now considered to be comprehensive and has many applications.

When it comes to the rehabilitation of pressure pipelines, network operators, engineering offices, manufacturers and installation companies, however, are confronted with issues that are currently not adequately answered and regulated. The RSV* working group 1.2 "Renovation of sewage pressure pipelines with cured-in-place pipes", which was initiated at the end of 2017, deals with this gap.

A leaflet has been prepared which sets out the normative basis, defines requirements for materials, techniques and procedures and describes the basics of planning, announcement, execution and testing. The *pressure pipe liner system*, consisting of the cured-in-place pipe, its service connections and connections to the pipeline network, is defined here for the first time and the requirements for quality assurance are established on the basis of typical operating conditions in a pressure pipe system. The considerations range from corrosion, pitting, cracks and leaky pipe connections to loads from pressure surge (pressure hammer) and the occurrence of negative pressure.

The RSV leaflet 1.2 goes beyond existing regulations and, in particular, provides practical information for all parties involved in the project and all project phases - from suitability testing of the pressure pipe liner to project planning, comprehensive tender and quality assurance on the construction site.

*RSV – Rohrleitungssanierungsverband e.V. ;association for pipe rehabilitation