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The DLT-Method: Stress Test for Pressure Pipes

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ABSTRACT: In view of the aging of pressure pipe networks, the pressure on network operators for maintenance is increasing. Although there are trenchless rehabilitation methods available, proof of the suitability has not yet been sufficiently available – due to a lack of test methods that reflect real conditions. With a new special test method, the Dynamic Load Test (DLT), rehabilitation systems for pressure pipelines under pressure shock loads – even in the vacuum range – can now prove their suitability for the first time. A system for dynamic component testing was developed and put into operation in Germany – with the participation of a working group of the German Society for Trenchless Technologies (GSTT) – at the Siebert + Knipschild testing institute. The first systems tested and approved on the basis of DLT are now in use in Germany and promise growing confidence in rehabilitation technologies and thus a revival of the market for pressure pipe rehabilitation systems.