

## **Development of an analysis tool for the evaluation of processes in the asset management of water distribution systems**

Management of assets consists of a large number of individual processes. These include e.g. data collection, data analysis and the implementation of a suitable and asset-specific maintenance strategy. A large number of German and international regulations (e.g. DVGW, ISO, DIN) contain content relevant to the implementation of a technical asset management strategy for water distribution systems. Based on these regulations, processes, data, key figures and methods in the asset management of pipelines are defined as a „best- practice“. On this basis, a structured and comprehensible methodology for analysing and evaluating the current AM of a water utility company is carried out. As a result, optimization potential can be demonstrated, e.g.: The condition data usage can be optimized, better and more efficient inspection methods are proposed. The analysis tool is based on the German regulations, but the methodology can basically be transferred to other nations/regulations.

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