



# Precise leak detection in the drinking water network thanks to the noise logger network

## New leaks found with Poseyedon! Another bull's eye on the pre-location

### Description

Since May 2019, the Franconian community of Memmelsdorf has been monitoring parts of its drinking water supply area in the high zone and low zone of the main town of Memmsldorf from the comfort of their office.

Their approach: automated and early leak detection using Sebalog N-3 noise loggers and the POSEYEDON software not only reduces losses of valuable water, but also prevents consequential damage - such as flooded basements and washed-out streets. In addition, an intact network supplies hygienically clean drinking water; thus, the health and hygiene of consumers (humans and animals) are not in danger.

In October 2021, the monitoring system based on the detection of leakage sounds successfully detected the fourth leakage since commissioning and alerted the drinking water supply staff. Sophisticated algorithms in the cloud-based software enabled pinpoint location online: even before the actual on-site leak detection and confirmation with conventional means, such as the Correlux C-3 correlator and the classic Hydrolux HL 7000 ground microphone! Afterwards, of course, the leak was repaired.

### Project

Correlating noise noise loggers from the company SebaKMT at 50 points of the pipe network

### Period

Since May 2019

### Customer

Municipal utilities Memmelsdorf

