



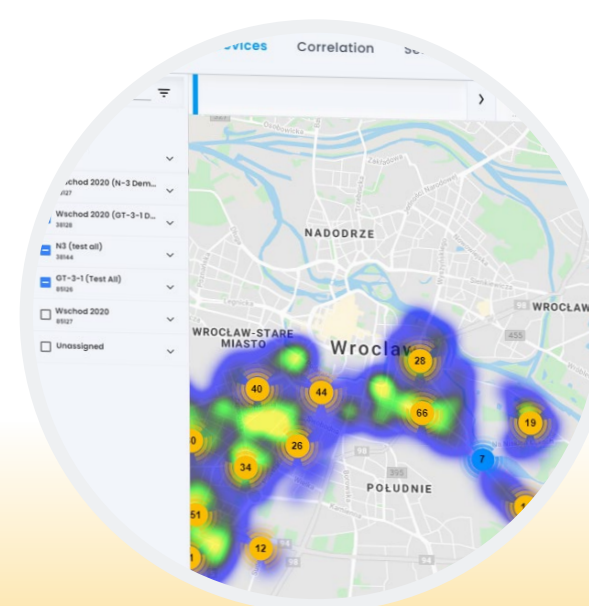
# Permanent remote monitoring in the city of Wrocław

## Sebalog N-3 & GT-3-1 Permanent remote monitoring

### Description

In 2016 the public water company MPWiK Wrocław wanted to reduce the high costs of commissioning the tracing of leaks in the drinking water network. The duration of the leaks must also be minimised because preparing drinking water is an expensive process. After a thorough study of the various options MPWiK have chosen Sebalog N-3 noise loggers, because it is a very efficient leak detection system. It is easy to install and will considerably help them reduce their running costs. In December 2016, they installed the first 200 N-3 noise level loggers with 200 GSM Transmitter GT3 in its water pipe network, in Wrocław City Center.

A simulated leak during the test installation was perfectly pinpointed using the web-based software of SebaKMT SebaCloud. The loggers send data wirelessly on a daily basis to an FTP server, that the user can access online in the SebaCloud. Followed by the next badge of 220 N-3 and 220 GT-3 in 2017 Wrocław expanded their permanent monitoring system with SebaKMT noise loggers and 3G transmitters. Although chamber covers of several centimeter thickness were encountered the powerful Sebalog N-3 noise loggers with external antenna were able to transmit measurement data and audio recordings to the SebaCloud network without any problems. With the knowledge gathered on how modern leak monitoring can function today, the system was extended by additional 100 GT-3 and 100 N-3 in 2018. MPWiK received with the same badge the successor of the GT-3 the GT-3-1 4G transmitter which was mainly designed on their needs. Their permanent remote network has therefore been extended by 210 GT-3-1 4G transmitters and 210 N-3 noise loggers during 2018. In 2019 it was enlarged by 300 GT-3-1 transmitters plus N-3 noise loggers as well as with further 210 GT-3-1 plus the same amount of N-3 noise loggers.



### Customer

MPWiK Wrocław

