Project story

"Our **goal** is to get **water losses** permanently under control!"

Klaus Babilon, construction yard manager,
community of Mömlingen

Sebalog N-3 network

Noise level and frequency logger with remote reading and correlation

Description

The community of Mömlingen needs 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.

With this in mind, a network of 25 Sebalog N-3 loggers was installed at the beginning of March 2013 for trial. After running for 7 weeks and a sudden increase in night-time consumption by 120 m^3/day for a total pumped quantity of 480 m^3, two leakages could be detected directly using the remote reading. The correlation function of the network was even able to identify the faulty house connection. It only took 7 days, from the time the leaks began until they were repaired. With the knowledge gathered on how modern leak monitoring can function today, the system was extended to 100 permanently installed network loggers.

Project
Early detection of leakages arising in the drinking water network through automated monitoring

Quantity
100 loggers installed
(therefore covering 3/4 of the complete network)
Objective: Complete coverage in 2014

Period
March 2013 - present

Customer
Mömlingen community, Miltenberg district (Lower Franconia)

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