



Precise Detection of Water Leaks

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Leif Koch is a highly specialised company, which deals mainly with the detection and localisation of leaks in buried water pipes.

The company was founded in 1974. Through almost 40 years of activity, it has gathered broad experience and comprehensive knowledge within this field.

Multiple solutions

Today, Leif Koch serves water works, utilities, and industries 24/7. Highly skilled teams are available, whether for the detection and localisation of a leak in a single pipe or for the examination of an entire distribution network.

The company also undertakes activities such as searching for hidden pipes and valves, controlling their functions and adjusting the map over the network.

Many methods are used: acoustic detection and monitoring, acoustic correlation analysis, measurement of pressure and flow, sectioning, trace gases, etc.

State of the art technology

Leif Koch remains up to date on the latest development of instruments, meters, loggers, software, and other tools. The staff is continuously trained and equipped with state of the art technology.

Customers are provided with all equipment necessary, from single instruments to total technology packages.

Leif Koch also acts as a consultant, helping utilities and other customers in finding the shortest route towards the reduction of their water losses. All waterworks are different and many solutions are possible. Leif Koch provides accurate solutions to urgent problems, as well as turnkey ready installations for continuous monitoring and control.

In any case, the users receive instruction and training. Each year, more than 100 field engineers attend the training courses offered by Leif Koch.

Watch your leaks via the internet

Research, tests, and the development of new, precise and user-friendly methods,

are of great importance for Leif Koch. A remarkable result is the 2009 invention of ALMOS LEAK, an online tool for the permanent monitoring of leaks.

The service is internet-based. Sensitive noise-loggers record the volume and frequency of sounds in the pipes, and advanced software algorithms interpret them. The next morning, the users simply log in to the almosleak.com website to check the state of their water distribution network. Blue dots on the Goggle Map indicate 'normal' state. Red flashing dots indicate leak alerts.

Besides acoustic detection, the system can also be used for pressure- and flow-monitoring, or a combination of the two.

Value for money

Early and precise detection of leaks means money saved. The amount of savings depends on local water prices and the overall state of the existing network.

The costs of water losses and repair can be quite substantial if leaks are left undetected for an extended period, eventually undermining pavements.

With only six percent of its drinking water lost in distribution, Denmark is renowned as a front runner in prevention of water loss. Leif Koch has assisted many utilities in Denmark and abroad, including in the UK, Scandinavia, Eastern Europe and the Middle East, in reducing their water losses. The company often acts as a subcontractor for development projects conducted by larger engineering and water companies.

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