

AQUACUST Ltd.

for Water Loss Detection

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INTRODUCTION

AquAcust Ltd. was established in 1995. by Hungarian owners. Previously – from 1978 – the majority of the expert staff made regular hydraulic survey on the water supply network of the capital as a team of the Budapest Waterworks, and elaborated the action plan for diminishing network losses.

AquAcust carries out survey of networks by several engineers and technicians using up-to-date technologies and instruments, identifying the unknown line tracks and hidden leaks. The number of permanent staff is 8 actually. The company is a member of several organisations like MAVÍZ, HSTT, Hungarian Hydrological Society, in addition to KSZGY SZ.

Since 1998 the activity is done under ISO 9001:2000 quality control system.

Services:

- Comprehensive survey of water supply networks.
Technology applied: on-site pressure and flow-through measurements, computerised network analysis, optimisation of water supply systems
- Detection of network losses – water loss detection.
Technology applied: water loss detection based on night-time zero consumption, applying mobile monitor truck installed with measuring and data processing instruments and computer
- Identification of hidden leaks.
Technology applied: electro acoustic monitoring by contact and soil microphones, correlator technic, automated noise detection
- Design, installation and operation of permanent network monitoring systems.
Technology applied: in-built or mobile flow-through and pressure measurement at hydraulically appropriate points of the network, disposing noise registers and data collectors
- Instrumental survey of track lines and buried accessories
Technology applied: measurement by metal detectors and induction line tracking
- Expertise and consulting services

Capacity:

Actually we are able to analyse 2000 km network length annually, but this amount can be extended by request.

References:

- Waterworks in Hungary: Budapest, Miskolc, Debrecen, Eger, Székesfehérvár, Sopron, Nagykanizsa, Zalaegerszeg, etc.
- Romania: water loss detection for Tirgu Mures
- Network survey for factories and habitants

Leak detection with correlator

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AQUACUST VÍZVEZETÉSEK



Mobile monitoring truck
(in and out)



Leak detector, line tracking and buried accessory
identifying instrument

The above services are offered for local waterworks and consumers having large networks