THE ACTIVE CONTROL OF LOSSES IN WATER SUPPLY SYSTEM OF EAST SARAJEVO

Difficult

detection

of pipe

breaks

PROJECT IMPLEMENTER:



UC "Vodovod i kanalizacija" jsc East Sarajevo

PROJECT FUNDING [€]:

IAWD	38,500
Co-finance	17,000
Total	55,500

PROJECT DURATION:

Starting Date: 1 July 2016 Ending Date: 30 September 2017 The active control of water losses

SPECIFIC PROBLEMS **ADDRESSED** BY THE **PROJECT**

Difficulties in management of the system

Detection of illegal consumers

ACTIONS TAKEN TO DETERMINE AND DECREASE REAL AND APPARENT LOSSES **USING IWA METHODOLOGY**

Preparation, development and hydraulic modeling in Epanet of DMA Dobrinja

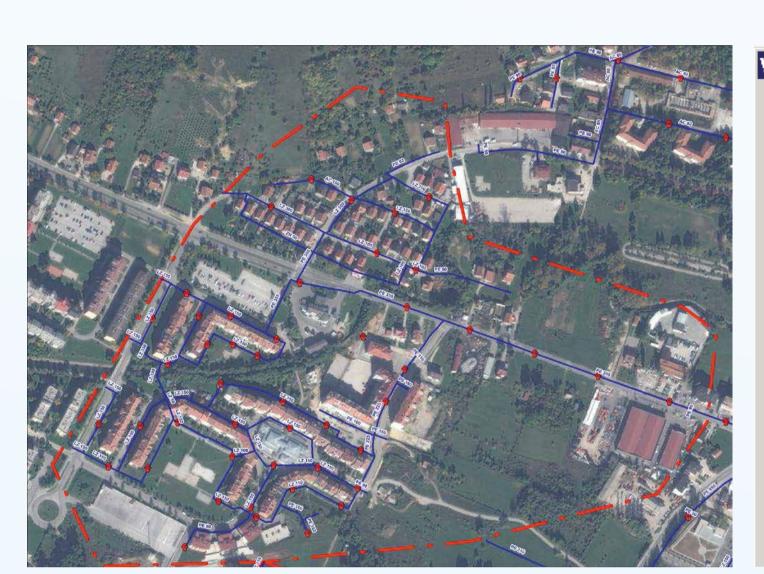
Installing "all in one" equipment for monitoring flow, pressure and noise logger

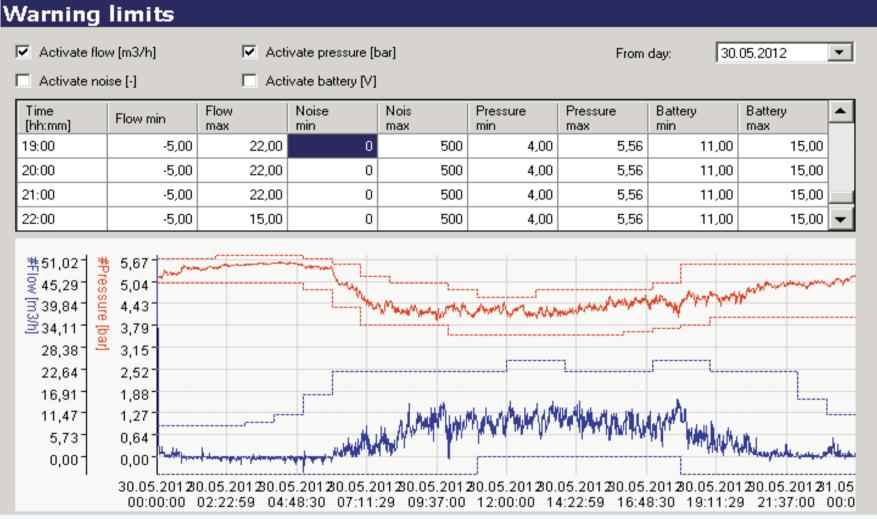
Monitoring of parameters (pressure, flow, noise) in the DMA zone

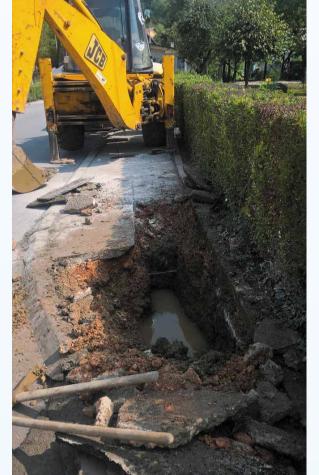
Replacing 50 oversized water meters with better accuracy meters in old residential buildings

Installed water meters at lump sum consumers in residential buildings

Conference for water companies from the region on active control of losses











RESULTS ACHIEVED BY IMPLEMENTING THIS PROJECT:

- Real losses are reduced by ~120m³/day (from 193m³/day to 69m³/day)
- Amount of revenue water is increased in DMA
- Infrastructure leakage index (ILI) is reduced from 26 to 7 in this DMA
- Non-revenue water is reduced from 60% to 20%

Ratio input/billed water in DMA Dobrinja IV during 2017 25000 15000 10000 5000

INDICATORS OF SUCCESS:

- Successful establishment of the pilot DMA
- Successful adoption of the IWA methodology
- Training of employees in UC "Vodovod i kanalizacija" East Sarajevo to actively control losses in water supply network
- Knowledge transfer to other interested companies



Smart policies, strong utilities, sustainable services

