

## LEAKAGE CONTROL

### Course Description

Leakages control is one of the main challenges of Water Supply and Sewerage Utilities. Real losses, which included leakages, are one of the main components of non-revenue water. They cause damages to the water distribution network and affect the quality of drinking water. Therefore, their proper control and management is essential.



In this training course the participants will acquire the basic knowledge on developing strategies on leakage management and detection, as well as explaining pressure management techniques and design District Metering Areas (DMA).

### Target Group

This training course is developed for professionals of water supply and sewerage utilities and it is especially useful for directors of distribution and technical department, operation and maintenance engineers, metering engineers and production engineers.

### Objectives of the Training Course

At the end of this training course, the participants will be able to:

- Identify the basic leakage control strategies;
- Describe the performance indicators for leakage;

- List the issues that should be considered while formulating a leakage plan;
- Identify the Economic Level of Leakage;
- Identify some of the leak detection techniques and technologies used;
- List the criteria for the PRV selection;
- Discuss regarding meter selection;
- List the factors that should take into account when designing a DMA;
- Explain a typical District Meter Area (DMA) Scheme;
- Discuss about the DMA management including maintenance and monitoring;
- List and explain the types of problems of DMAs.

### Training Method

The training is based on lectures presented in Power Point, combined with discussions. In addition to lectures and discussions, participants will analyse specific case studies.

### Training Course Materials

The participants of this training course will be provided with the Training Manual on "Leakage Control". In addition, the participants will receive certificates of attendance.

### Registration Fee

Members of SHUKALB/SHUKOS: 13,000 ALL/person

Non-members: 16,000 ALL/person

The registration fee includes course materials, coffee breaks and lunch breaks.