

CPD TRAINING COURSE

WATER LOSS AND LEAKAGE MANAGEMENT - LEVEL TWO



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Overview

Leakage of water from the network is a serious problem on a national scale and that is reflected in every county across the country. Irish Water estimates almost half of the water produced is lost due to leakage within our water mains and within customer properties and is undertaking a national investment programme of works to reduce leakage and improve Ireland's water supply. Reducing leakage will continue to be a key priority for Irish Water in the coming years.

Course aims

This level two course on water loss and leakage management will focus on the advanced leakage detection processes and the latest technology available in leakage location. The course will also cover District Meter Areas (DMA) management and how to prioritise which DMA's to work in based on various KPIS.

Programme

1. Asset Management
2. DMA Design and Implementation
3. DMA Management and DMA Proving
4. Advanced Leakage Detection Processes

Learning objectives

At the end of this course participants should be able to:

- Demonstrate a comprehensive understanding of the causes of pipe failure and how pressure can cause breakages within the distribution system
- Determine leakage detection methods and techniques in response to water loss
- Analyse how latest technologies work in large diameter networks
- Understand the processes that can be used in leakage detection activities
- Describe how DMA's are designed and their benefits, and show an appreciation of the techniques required to design, build and maintain them

Trainer's profile

Stuart Hamilton CEnv, CMgr, FCIWEM, FIWA, FCIPE, MCM

Stuart has over 35 years of experience in water loss control and water management. Stuart is the managing director of Hydro Tec, a leading water management organisation providing consultancy services to water utilities and private business sectors globally. He is an expert in advanced water management control approaches and specialist techniques in acoustic technology. He works in both small and large diameter networks applying acoustic technological methods in intermittent supply, low pressure and high pressure systems. Stuart has managed large water loss management projects and resources throughout the world in 30 different countries.