

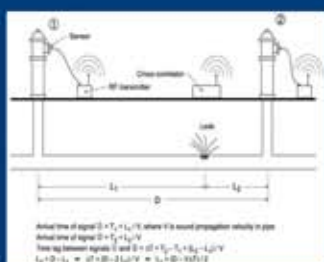


## Guys Marsh Prison: Shaftesbury, Dorset. Leak Detection and Repair Contract



### Background

Guys Marsh is a Category 'C' Prison holding up to 578 prisoners based near Shaftesbury in Dorset. The works manager at the prison Phillip Cross has invested in a number of innovative ways to reduce energy consumption and costs. Pipefix have carried out a number of projects at the prison, and so when the water consumption rose above expected levels He contacted us to see if we could find the cause.



### Project Description

After an analysis of the consumption patterns it was clear that there were significant amounts of water leaking from the system.

Finding the leaks involved a combination of traditional methods and electronic tracing techniques. Plans of the services were studied to develop a systematic programme of tests throughout the water supply network to pinpoint the leaks, which would then be excavated and repaired.

### Results: Immediate savings and fast payback

In this exercise one major leak was identified and repaired. This was sufficient to reduce overall losses from the system by 40%, delivering a payback period for the works of less than 4 months

