

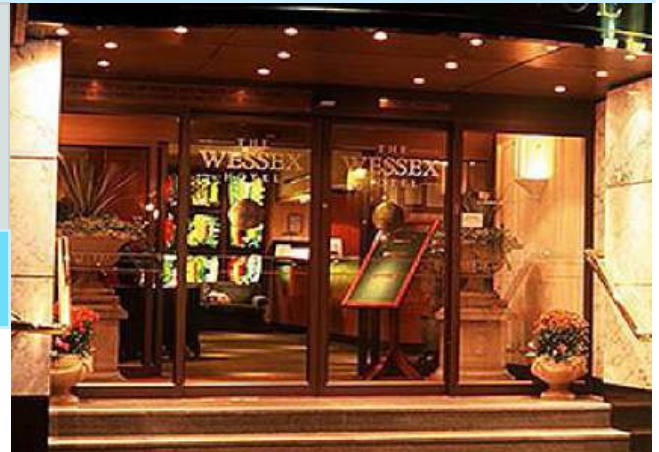
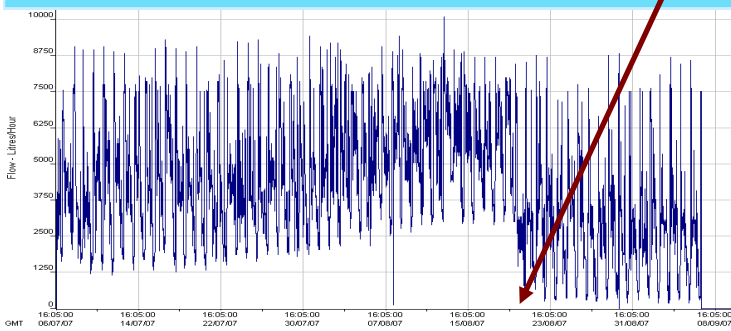


## Energy & Water Saving Specialists

### CASE STUDY: Wessex Hotel, Winchester - Leakage Project

**SUBJECT:** Following the identification of significant water consumption at the hotel by the bill validation process and following specialist logging of 24 hour consumption profiles – a leak of the order of 1500 litres per hour was confirmed, located and repaired on the private supply pipe to the hotel.

Smart Metering reveals high consumption and leak on private underground supply pipework between Water Meter and hotel buildings – saving £29k per year after location and repair.



We have a portfolio of Clients who have benefitted significantly from our leak location and repair services.

**CHALLENGES / SOLUTIONS:** Locating leaks on underground pipes requires skill and dedication. Locating the leak is undertaken by acoustic sounding and line tracing. The final pin-pointing is achieved by sophisticated leak noise correlation techniques. Careful excavation is required to avoid damage to other utility services when effecting a final repair and reinstatement.



Technical investigations, water audits, leak location and repair services

#### RESULTS:

- 1500 Litre per hour leak located and repaired. Equates to 36 m<sup>3</sup> per day or 13,140 m<sup>3</sup> per year at £2.25 per m<sup>3</sup> for combined water and wastewater treatment charges – saving of £29,565 per annum.
- In addition a to the savings obtained after repair, the client was able to submit a claim for historic a non return to sewer rebate for some 18 months prior to leak repair– a further £ 26,000 for water not returned to sewer for waste treatment
- Funding of leak location and repair projects can be tackled in various ways
  - ⇒ Capital Costs paid directly
  - ⇒ Shared Savings approach
  - ⇒ Quarterly Subscription where all costs of location, repair and reinstatement are covered by a subscription paid quarterly in arrears and significantly less than the savings achieved - therefore ensuring a cash positive scheme from day one.

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