

**REGIONAL WATER OPERATOR**

Finding non-revenue water before the ground gets wet

District metering, pressure logging and night-flow analytics narrowed leak search areas from whole zones to street segments.

-6.8 pts

Non-revenue water

-45%

Leak find time

42

DMAs monitored live

2.1x

Crew productivity

WHAT WE DEPLOYED

- Battery-powered flow and pressure loggers with NB-IoT backhaul
- Minimum night flow analytics with per-DMA leakage ranking
- Transient detection to flag valve and pump operations damaging the network
- Work-order integration so the top-ranked DMAs drive the weekly crew plan

WHAT CHANGED

- Weekly leak programme built from ranked night-flow data
- Pressure management reduced burst frequency on ageing mains
- Regulatory reporting drawn from one validated dataset

STARTING POINT

Non-revenue water sat above the operator's target with no reliable way to rank zones. Leak crews were dispatched on customer complaints, and pressure transients went unrecorded.

"We stopped searching zones and started searching streets."

Head of Network Operations

Client names are withheld under commercial confidentiality; figures are drawn from post-deployment reviews agreed with each client.