

Water Plus teach the University of Salford how to save **£100,000** a year



“I was very impressed with the service we received from the Water Plus team. Our leaks were dealt with professionally, to a high standard and with the minimum of disruption.

We are looking forward to smart acoustic technology helping us to avoid future disruption and save money.”

Steve Pearson, Mechanical Team Leader, University of Salford

Challenge

The University of Salford wanted to reduce water costs and monitor water usage. Leaks needed to be dealt with quickly without causing disruption.

Solution: leak management

We installed a Smart Meter, put valves on the University's pipework, installed smart network acoustic loggers, and found and repaired major leaks.

Savings



£100,000 a year
saved by initial leak repairs



£1,600 a day
saved, and damage
minimised, by using valves
to isolate another leak



Flag up future leaks
with acoustic loggers

Advanced Water Services

Client

The University of Salford has over 3,000 staff and 20,000 students. Its key teaching areas include nursing, healthcare, computing and engineering, while a new campus at MediaCityUK is home to the University's digital and media departments.

Challenge

The University wanted to monitor its water usage, to reduce costs by finding and resolving leaks quicker. Because of the number of people relying on the University, it was very important that leak repair didn't cause major disruption as this would be highly inconvenient and costly.

Savings

Finding and repairing the leak detected by the Smart Meter **saved the University of Salford £100,000 a year**. Isolating and repairing the burst mains pipe, with the help of valves, **saved the university £1,600 a day and prevented further damage**.

The smart network acoustic loggers will now help the university to continue monitoring its water usage in detail to prevent future leaks from causing expensive and excessive damage.

Solution

Over a period of time, we helped the University to monitor their water usage and implement measures to make leak detection and leak management a much less disruptive and costly thing.

- Firstly, we installed a Smart Meter which gave exact readings of how much water was being used at the site.
- The meter detected unusually high water use, which is normally an indication of a leak.
- We conducted an initial site survey, to find the areas which were likely to have these leaks.
- Thanks to the smart data and survey, we found leaking fire hydrants and a leaking mains pipe, which we repaired quickly.
- After this, we installed valves to the University's pipework. This means that pipes can be turned on and off, so leaks can be isolated and their damage minimised.
- The valves came in handy when, later, the Smart Meter alerted us to a major burst pipe which was losing 40m³ per hour.
- We isolated the burst pipe, so the University was able to stay up and running without any major disruption while we repaired the leak.
- Finally, we installed smart network acoustic loggers. These transmit information from the pipe network to an online portal, which the University's facilities department can monitor. They will show exactly how much water each pipe is using and send an alert if there is an anomaly.
- The loggers helped the University to manage its water consumption in detail and now they will be immediately alerted to any future leaks.