FCS™ The Sound Choice for Leak Detection.™



CASE STUDY

St. Louis, MO & Surrounding Areas

THE CHALLENGE

Non-surfacing leaks are difficult to identify using traditional methods because they remain hidden underground. These leaks can persist for extended periods, resulting in water loss, lost revenue, increased operating costs, and additional stress on aging infrastructure.

Assessment & Solution

Missouri American Water is one of the largest water utilities in the state, providing reliable water service to communities across Missouri. The utility continuously seeks innovative ways to reduce non-revenue water, improve operational efficiency, and maximize the value of infrastructure investments.

Missouri American Water deployed 130 acoustic leak monitoring loggers across targeted areas of its distribution network. The technology continuously monitored pipeline conditions and identified leaks that would otherwise have gone undetected, enabling crews to prioritize and repair them quickly.

Outcomes

Missouri American Water demonstrated that proactive acoustic leak detection can quickly produce measurable operational and financial benefits. The deployment detected 57 non-surfacing leaks and preserved 217.2 million gallons of treated water.

