Water Utility Finds Maximum Utility With AI

Saving time, money, and critical infrastructure.

SewerAI

The Problem

When defects fly under the radar, underground.

A wastewater utility located in the Pacific Northwest, U.S. compared SewerAI's AutoCode™-based assessment with that of the utility's in-house, manual assessments. The expectation was that automating tedious, error-prone methods would make the difference between catching disastrous defects or letting them fly under the radar – undetected or misdiagnosed.

29,748
linear feet of CCTV inspections

132
total surveys conducted

The Solution

Establishing ground truth underground.

The assessment completed by AutoCode was also analyzed a second time by SewerAI QC staff to provide for a ground truth to compare with the manual assessments. This ensured that the result of the Pipe Survey Comparison Index (PSCI) would accurately reflect inconsistencies in findings between the two methods.

AutoCode assesses 29,000+ linear feet of CCTV inspections.

SewerAI QC staff cross-checks the findings against manual assessments.

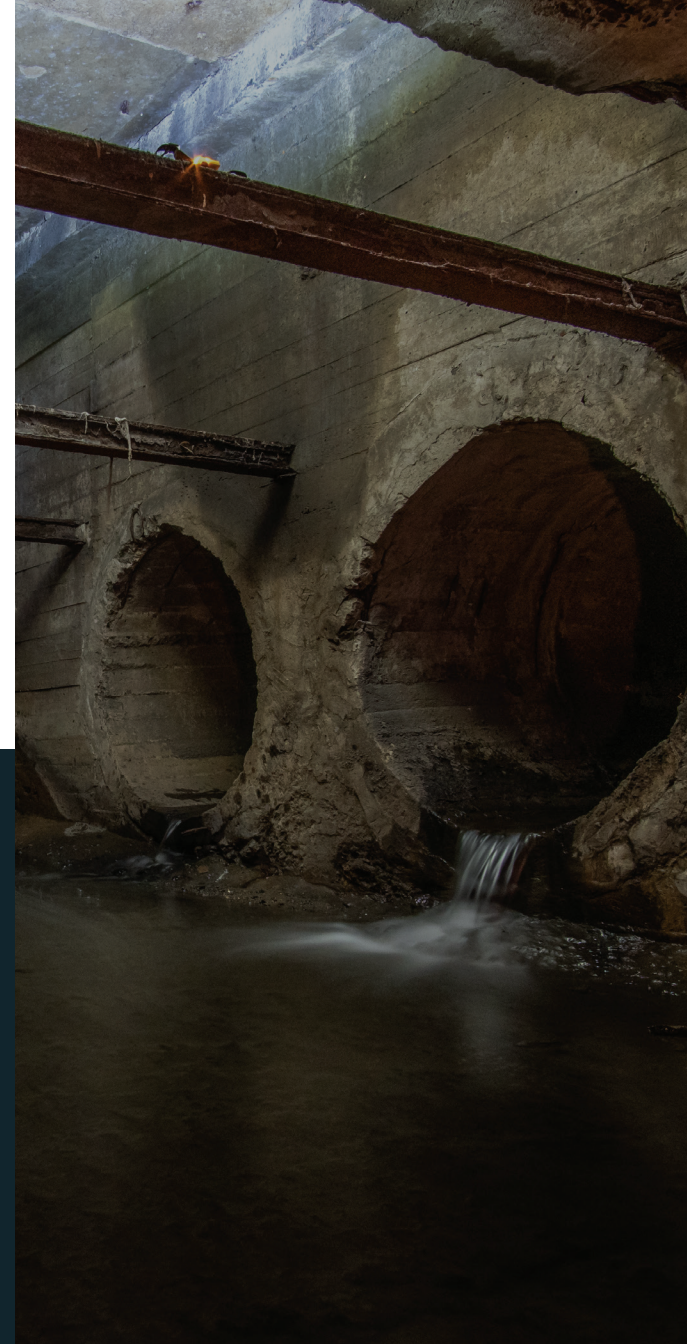A PSCI score is produced to signify inconsistencies between inspection methods.

The Results

AI identified 32.99% more conditions (defects and features)

AI displayed <10% margin of error, missing 90.13% FEWER conditions than manual survey

Work With **The Leader** In AI-Powered Sewer Infrastructure Management

SewerAI by the numbers:

125,775

hours of capacity unlocked (PIONEER)

$1,872,307

saved (in time saved through PIONEER)

33,000,000+ ft

of PACP (Mainline) AutoCoded (AutoCode)

23,000+ ft

of LACP (Lateral) AutoCoded (AutoCode)

31,000+

MACP (Manholes) AutoCoded (AutoCode)

*SewerAI data collected March 2024

You've read the case study. Now become one.

Inspect more pipe for less money. Reach out to see how quickly and easily you can exponentially increase your productivity and lower your costs, while increasing the accuracy of your data.

Book a Call

SewerAI