



Recover: Wastewater

Leak Survey

Product Overview

The ASTERRA method uses satellite imagery to cover large areas and quickly narrow down the regions that contain probable leaks. How do we do this?

Specifically, L-band synthetic aperture radar (SAR) sensors are used for their day/night, cloudy/clear capabilities along with the ability to penetrate the first few meters of earth. Using a patented algorithm, ASTERRA can filter out the signature of wastewater and provide these zones to the customer. They are then displayed in user-friendly GIS reports, and direct

the utility's preferred field crew to search within the zones in order to pinpoint the exact leak location.

This technology has been adapted from the search for water on other planets, underscoring its innovative and outstanding capability here on Earth. ASTERRA offers a fresh approach and a non-invasive method to the problem of urban water leakage.

Key Benefits

- 1 Prevent pollution of sensitive habitats and neighborhoods**
- 2 Most cost-effective tool to support regulatory compliance**
- 3 Identify trouble spots for pipe replacement strategy**



About ASTERRA

ASTERRA (formerly Utilis) provides data-driven solutions for water utilities, government agencies, and the greater infrastructure industry. ASTERRA products use synthetic aperture radar (SAR) data from satellites and turns this data into large-scale decision support tools. The company’s proprietary algorithms and highly educate scientists and engineers are the key to their mission, to become humanity’s eyes, guiding it through Earth’s changes by applying advanced analytic capabilities to synthetic aperture radar.