

# providing a verifiable trail

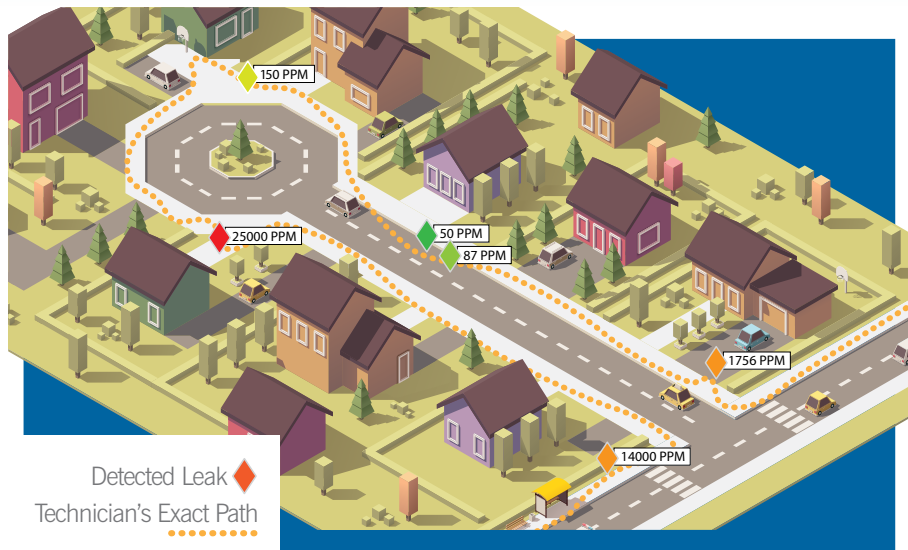
Transforming **Infrastructure Data**  
into **Actionable Business Intelligence**



# Leak Survey

Verify. Validate. Visualize.

Our digital data collection process offers a verifiable digital trail through high-accuracy GPS breadcrumbs that ensure inspections are completed to exceed industry standards. All data and asset photos collected are geo-referenced and constantly uploaded from mobile devices where records are reviewed immediately.



## TRADITIONAL LEAK SURVEY TRANSFORMED

High accuracy GPS breadcrumbs (4-8") document that the survey technician is walking directly over the pipeline and validates that work was performed as directed, resulting in:

- The collection of millions of points every week pulled into an automated buffer analysis to ensure individual assets were properly surveyed.
- Gas detection instrument readings blended together with latitude, longitude, timestamp and a collection of other corroborating fields in real time validate that leaks are never missed
- Recorded instrument readings for predictive analysis to be performed on leak migration or probability of leak presence
- Leak work orders that are automatically generated as searchable PDFs with high resolution imagery
- Asset data collection can be used to update land base or for conflation projects to further increase enterprise value added from the program

## WHY DIGITAL?

Significant faults in traditional leak detection are avoided, including:

- **Compliance Tracking Turnaround:** Cost and impracticality of the paper map, transferred from field personnel to office staff manually is virtually eliminated.
- **Verifiability of Work Completion:** Falsification of records citations are a thing of the past due to the ability for utilities to validate from multiple corroborating sources.
- **Accountability for Investigating All Leaks:** The Hydromax USA system shows the investigation process clearly and ensures scope of investigation is met.
- **Access Issue (CGI/CGA) Tracking and Management:** No more reliance on the survey technician to report access issues correctly, with high accuracy GPS breadcrumbs.
- **Records Retention Costs:** Cost of onsite or 3rd party storage of paper maps and forms is almost entirely removed.

## COMPLIANCE

The improved accuracy, integration, and efficiency of methods used to collect, store and analyze data helps our customers manage and verify compliance. This data also allows customers to predict potential hazards for the prioritization and implementation of preventive and mitigative actions.

## SAFETY

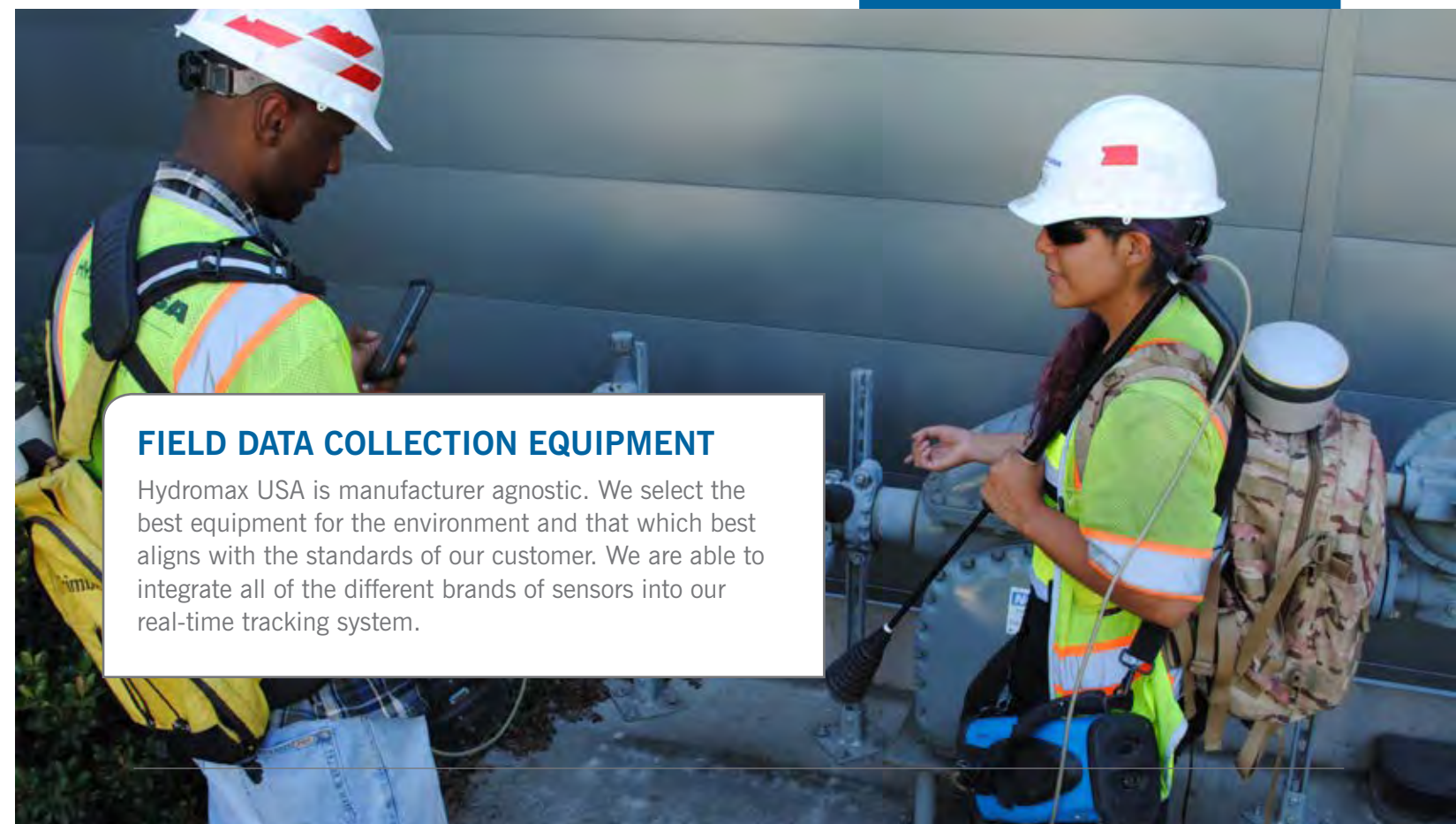
A 24/7 emergency response system is in place to dispatch leak survey technicians within minutes of an incident occurrence keeping the safety of our customer, technicians and the public our top priority. This is powered by work orders, automatically generated - when leaks are detected - as searchable digital files with high resolution imagery.

## QUALITY ASSURANCE

Operators are specially trained to follow prescribed practices. We utilize in-house training as well as Industrial Training Services, ISNetWorld, MEA, Energy World Net, or any other OQ system that the Utility prefers.

## THE LAST WORD

Hydromax USA delivers innovative data collection and analytics, specializing in Water, Wastewater and Gas Infrastructure. We transform data through our GIS-Centric Methodology: Integrating client needs and field services to develop data management platforms that support infrastructure analytics, providing the highest level of actionable business intelligence, ensuring public safety and improving asset management.





**HYDROMAX USA**

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