

Advanced Mobile Leak Detection System

OVERVIEW

The Canary RECON AMLD system from Project Canary transforms any vehicle into a powerful mobile leak detection tool. Equipped with mid-infrared (MIRA) sensor technology, wind, and GPS data, alongside Project Canary's deep analytics expertise, this system offers real-time, high-precision leak mapping. Setting new standards for sensitivity and portability, Canary RECON provides utilities with the actionable insights they need to enhance compliance.

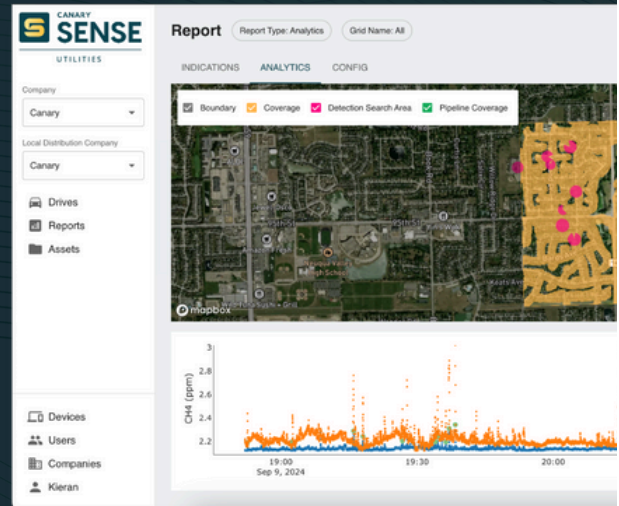


Key Features

- ✓ **Exceptional Sensitivity:** Detects CH₄ at <2ppb/s and C₂H₆ at 300ppt/s, leveraging superior ethane detection to minimize false alarms and deliver high confidence in leak identification.
- ✓ **Quick and Easy Setup:** Installs in under an hour, allowing operators to efficiently deploy across various sites.
- ✓ **Compact Design:** Lightweight and easy to transfer between vehicles, the system is 1/10th the size, weight, and power consumption of conventional systems, making it ideal for flexible field operations.
- ✓ **Real-Time Analytics:** Instantly runs compliance leak surveys and customizable emission surveys, collecting and visualizing data in real time for immediate reporting.
- ✓ **Advanced Data Capabilities:** Features cloud-based data storage and analysis with GIS overlay capabilities, integrating with asset management systems to streamline leak survey operations.

Direct Integration into Canary SENSE Utilities

Project Canary's Canary SENSE software seamlessly centralizes emissions data from multiple sources, providing utilities with real-time visibility and actionable insights across all monitoring activities. Advanced analytics and intuitive dashboards streamline compliance, reporting, and leak repair, enabling faster responses and reduced emissions risks. By centralizing critical data in one platform, Project Canary empowers utilities to make informed decisions quickly, boosting operational efficiency and elevating their environmental performance.



THE TECHNOLOGY

Utilizing Project Canary's patented MIRA laser technology, Canary RECON offers 30x greater sensitivity to ethane than typical laser-based systems. This precision allows utilities to confidently distinguish between natural gas leaks and other sources (e.g., biogenic emissions) by analyzing ethane-to-methane ratios. This ensures clear, reliable leak identification, reducing the potential for false alarms and supporting accurate compliance reporting.

METRIC	SPECIFICATION
Measurement method	Mid-Infrared Laser Spectroscopy, Sonic Anemometry
Species, Sensitivity	CH ₄ : <2ppb/s, C ₂ H ₆ : <300ppt/s
Data Update Rate	5 Hz
Temp/Humidity	"10-40°C, 10 to 95% RH (non-condensing)"
GPS Accuracy	1m
Kit Travel Case Size	19" x 15" x 7"
Sensor Size	11.5" W x 8" D x 3.75" H (Pico Version)
Sensor/Kit Weight	2.75 kg (6lbs) / 9.5 kg (21lbs)
Power consumption	20-40W (with Laptop)
Voltage: Current	12-15V DC: 2-4A, 110-220VAC: 0.5A
Interface/Outputs	Wi-Fi, Cellular (Cloud), Stream to Laptop
Data Storage	500GB - 2TB Local, Cloud Unlimited