



Leak Detection System

R&D Top 100 Award Winner

Apogee provides services and system sales for detecting methane and total hydrocarbon leaks from pipelines, production and storage facilities, landfills, and coal seam seeps.

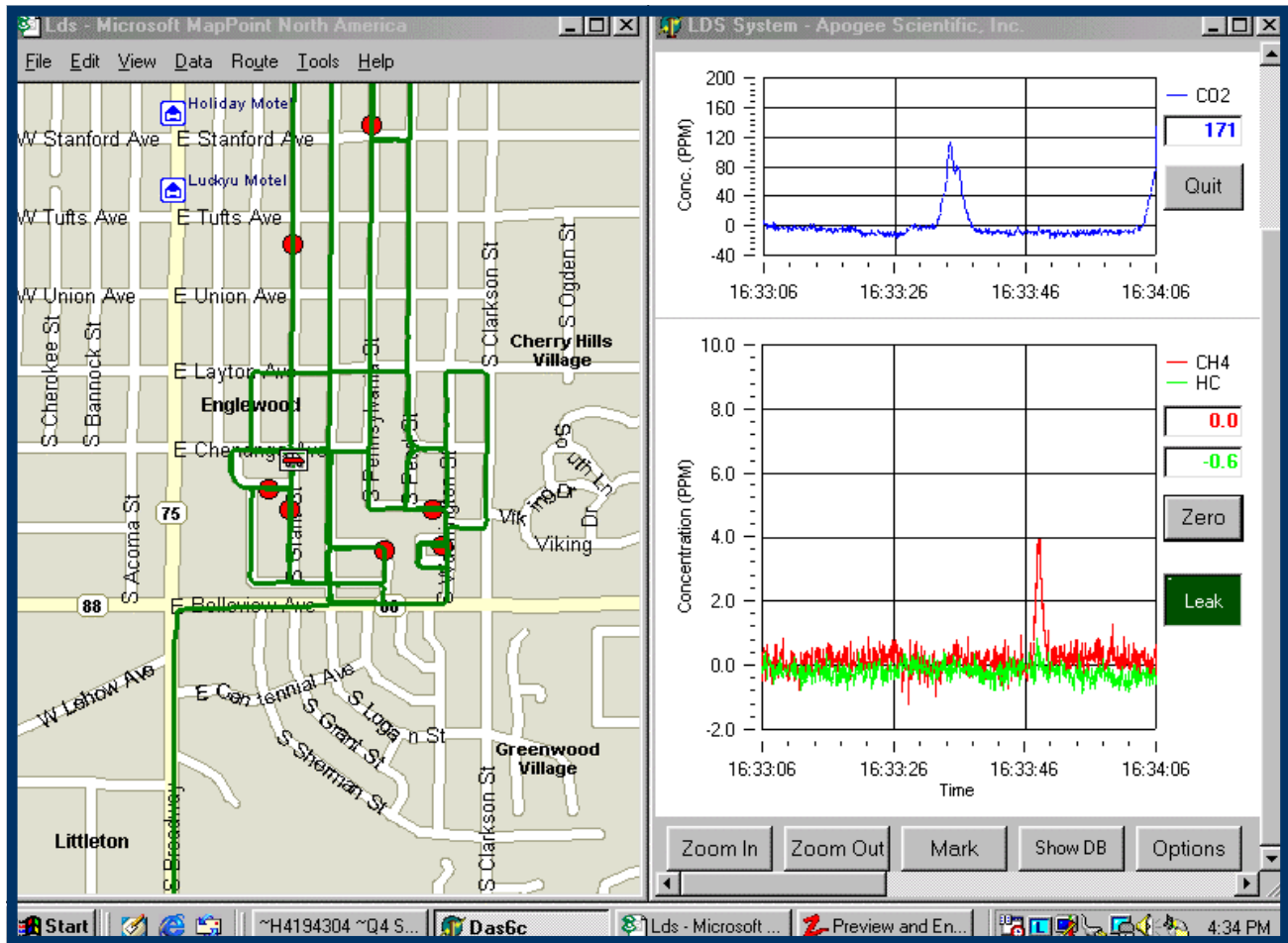


System Features:

- An advanced, innovative system that is sensitive, fast, and rugged
- Measures methane, total hydrocarbons, and carbon dioxide simultaneously at sub-ppm concentrations
- Monitoring rates of 50 samples per second
- Survey tracks and leak locations are documented by GPS
- Advanced software allows for immediate processing of data
- Can be mounted on helicopters or ground vehicles, including trucks and ATVs

System Benefits

- Improves safety and integrity of sampled:
 - Oil and Gas facilities
 - Pipelines
 - Landfills
- Saves time with fast mobile leak detection
- Provides accurate measurements with no false positives
- Operates easily, anywhere
- Simplifies reporting
- Saves money!



Above is a snapshot of the Leak Detection System (LDS) onboard computer screen. The real-time map on the left panel shows the route the vehicle has taken (green line) and the methane leaks detected by the system (red circles). The right panel shows the real-time plots of methane (red line), total hydrocarbons (green line), and carbon dioxide (blue line) concentrations.

**For more information,
please contact:**

Brian McCoy
Director of Operations
Phone: (303) 470-3573

Email:
brian@apogee-sci.com



The ATV pictured is equipped with an LDS unit. The LDS is shown housed in a toolbox that is placed in the back of this vehicle. The air is sampled from the front of the vehicle and transported to the LDS through a 2-inch diameter hose. Power to the LDS is from vehicle battery or auxiliary batteries.