Remote Methane Leak Detector Customer Service
The RMLD-CS™ is based on our highly successful RMLD technology. This instrument eliminates the separate receiver and transceiver, combining them into one hand-held instrument that is lightweight, portable and field rugged. Remote detection allows utility customer service personnel and first responders to quickly scan an area for suspected gas leaks at a safe distance from the plume.

When the infrared laser beam is transmitted from the launch port some of the laser light is reflected by a normal background such as brick, concrete, grass, etc., to the detector. This reflected light is collected and converted to an electrical signal that carries the information needed to deduce the relative methane concentration. The signal is processed and reported in parts per million meter (ppm-m).

Remote Methane Leak Detector Unmanned Aerial Vehicle
The RMLD-UAV™ is based on our highly successful RMLD technology and ARPA-E Monitor advancements to allow fast, safe and reliable methane leak detection for site level LDAR. The system is deployable by the operator. The UAV then automatically flies a search pattern around the facility. If a leak is detected, it is then localized and the emission rate calculated.

Features include: advanced sUAV suitable for all weather flight, auto search, detection, localization and flux quantification, methane specific and open path bi-static Tunable Diode Laser Absorption Spectroscopy.

MobileGuard™ - Advanced Vehicle Leak Detection System
The MobileGuard gas leak detection system consists of a methane/ethane analyzer, GPS, a sonic anemometer and proprietary leak detection software that presents real-time geo-spatial maps of multiple gas concentrations. The software’s sophisticated leak detection algorithm combines the system’s measurements of gas concentrations (CH4, C2H6), local coordinates (GPS) and local wind velocity (sonic anemometer) to estimate the leak location. Readings are stored in the device and can be transmitted in real-time to the Cloud for centralized monitoring.

The MobileGuard gas leak detection system uses ABB’s patented LGR Off-Axis Integrated Cavity Output Spectroscopy (OA-ICOS) technique which has a sensitivity and precision more than 3,000 times greater than legacy methods. This enables identification of leaks several hundred feet away from the source.
Gasurveyor 700 Series
The Gasurveyor 700 series is a highly configurable, user-friendly, infrared gas detection device suitable for all gas utility applications. The natural gas discrimination feature allows you to quickly determine the source of the gas, whether it's a pipeline gas leak or naturally occurring biogas; saving time and reducing detection related costs. The Gasurveyor offers data-logging functionality with optional GPS mapping to simplify data gathering. The cloud-based Instrument Management System (IMS) provides access to field usage reports, calibration history, investigation mapping and more.

Features include:
• Wireless data collection to cloud server
• Solar or AC powered
• Easy installation & alignment
• LEL & Volume Gas (infrared);
• Optional sensors including: PPM, O2, CO, H2S;
• Barhole mode – configurable;
• Soft-key operation;
• Communication: IrDA with optional Bluetooth;
• 360° Alarms;
• Lightweight and rugged;
• Ingress protection – IP55;
• Alkaline or rechargeable battery options

EyeCGas - Optical Imaging Camera
EyeCGas® is a rugged, OOO0a certified, hand-held camera that uses thermal imaging technology for the detection of gas leaks and fugitive emissions.

Features:
• Industry Specific Design – designed specifically for the harsh environments of the Oil and Gas industry; the camera is extremely rugged, robust, and is sealed for severe outdoor industrial conditions. EyeCGas is certified to meet IEC standards for temperature, humidity, vibration, dust and water intrusion.
• Safety – certified for use in Class I Div 2 hazardous environments.
  • ATEX II 3G Ex nL IIC T6
  • ANSI/ISA-12.12.01, UL1604 and CSA C22.2 No. 213-M1987
• Enhanced Imaging – uses proprietary, enhanced image processing algorithms to enable the detection and localization of the smallest gas leaks.
• Audio / Video Recording – real time video recording with audio narration for improved debriefing and off-line analysis.