Find leaks quickly with the MobileGuard™ gas leak detection system featuring real-time plotting of indications capable of GIS integration and real-time gas discrimination. The MobileGuard system consists of a methane/ethane analyzer, GPS, a sonic anemometer and proprietary leak detection software that presents real-time geospatial 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 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 provides heightened sensitivity and precision. This enables identification of leaks several hundred feet away from the source in favorable survey conditions.

**Key customer benefits:**
- High reliability measuring both methane and ethane to reduce false positives
- Begin finding leaks within five minutes after powering on
- Less maintenance; OA-ICOS, a fourth generation cavity enhanced technique, is very robust
- Customer owns the instrument and all data
- Data available immediately through Cloud-based reporting
Specifications:

Sensitivity: Methane: 2 ppb
Ethane: 10 ppb

Dynamic Range: Methane: 0.01 – 10,000 ppm
Ethane: 0.01 – 100 ppm

Response Time: Less than 1 second

Fast Warm-Up Time: About 5 minutes from power on to data collection

Selectivity: No interferences from ambient compounds or higher hydrocarbons

Calibration: Utilizes Off-Axis ICOS, a first principles measurement technique. Calibration free.

Power: Analyzer and pump only require 180 W

Temperature Range: 23°F to 120°F (-5°C to 50°C)

Mechanical Features:
- 19” rack compatible
- 4U high (7”)
- 12 VDC
- Integrated pump
- Integrated GPS receiver
- Water trap
- Humidity interlock

Heath Consultants Incorporated operates under a continual product improvement program and reserves the right to make improvements and/or changes without prior notification.