



# Pipe-I Kit



See what your eyes cannot...

Red Hen's Pipe-I solution monitors and records the exact location of fugitive methane emissions

**Superior fidelity and maximum observability**

- Boreal Laser AB samples three times per second with an accuracy of 0.2 ppm
- Red Hen's VMS-333 geo-tags the Boreal sensor data and embeds it directly into the patrol video feed
- Complete videos and still photos of Points of Interest and Boreal Gas data points
- View corridor patrol in Google Earth while simultaneously viewing the patrol video and results

Our proprietary pipeline corridor patrol solution allows you to quickly survey large segments of pipeline while the Boreal laser samples the air for methane levels 3 times a second with a fidelity of 0.2 ppm (parts per million). With use of Red Hen Systems' VMS-333, the methane content of the air and the precise geo-location are recorded and encoded directly into the corridor patrol video. The video can then be decoded directly with Red Hen's isWhere software and the client will have a near-instantaneous record of the patrol along with the video and a map display that details the methane concentration for every single second of the patrol.

## How does it work?

Boreal laser monitors and geo-tags various methane levels and locations along the route and embeds this data into the Pipe-I video. The detection alarm threshold is adjustable; set per your specification. The video is then decoded and the methane concentration, geo-location and time data are extracted to smaller text files that can quickly be electronically transferred to Red Hen technicians for detailed analysis and enables a response to areas of concern.

## Pipe-I Kit

- VMS-333
- Boreal Laser GasFinder AB
- Getac Windows laptop
- Android tablet
- 3-day on-site RHS training for two in Fort Collins, CO
- isWhere software
- MediaMapper desktop
- Panasonic Video Camera AG-HCK10G
- Panasonic HD Recorder AG-HMR10G
- Wired GPS puck (VMS)