

## **RMLD-Remote Emissions Monitor -RMLD-REM™**

Heath Consultants Incorporated (Heath) has deployed several continuously-operating, laser-based long-path monitors to detect methane emissions at multiple local gas distribution, midstream and upstream natural gas storage facilities and natural gas transmission high consequence areas (HCA's) across the United States.

Developed in collaboration with Physical Sciences Inc. (PSI), the instrumentation utilizes tunable diode laser absorption spectroscopy (TDLAS) technology adapted from the proven, industry-leading, Remote Methane Leak Detector (RMLD-IS®). The suitably named RMLD-Remote Emissions Monitor (RMLD-REM™) is powered by solar panel or AC power, cloud based server application for data management, reporting, alerts configuration, status and monitoring provides 24 hours a day, 7 days a week, natural gas leak monitoring services.

This technology allows an operator the opportunity to detect and mitigate extremely small leaks by detecting methane in the air and transmit an immediate alert to the appropriate personnel. By providing the earliest possible indication of a gas release an operator can minimize potential incidents, reduce greenhouse gas (GHG) emissions and increase their dispatch speed for responders to investigate any possible release of natural gas.



**RMLD-Unmanned Aerial Vehicle (RMLD-UAV™)**  
The RMLD-Unmanned Aerial Vehicle (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 quickly is deployable by the operator. The UAV then automatically flies a search pattern around the facility. If a leak is detected, it is localized and the emission rate calculated.