

Leak Detection Sensor Network (LDSN): The Future of LDAR & Fenceline Compliance



Sensible EDP

POWERED BY MONTROSE ENVIRONMENTAL

LDSN

Montrose Environmental Group's Sensible EDP and its cutting-edge Leak Detection Sensor Network (LDSN) redefine the standard for leak detection and repair. Operating 24/7, our LDSN utilizes PPB/C1D2 sensors to vigilantly monitor in-facility leaks in real time. On detection, it rapidly alerts LDAR technicians, paving the way for swift and efficient repair. Sensible EDP LDSN represents a breakthrough from traditional LDAR methodologies, ushering in an era of enhanced efficiency, speed, process safety and reliability in managing fugitive emissions.

LDAR

FENCELINE

PROCESS SAFETY

TURNAROUND



PPB/C1D2 Sensors & Hardware



24/7 Real Time Monitoring & Alerts



O&M, QA/QC & Alert Response

Stay Emission Compliant

With Sensible EDP (Environmental Data Platform), you can be confident that your business is prepared for evolving environmental regulations and public scrutiny. Our cutting-edge technologies, tailored project services, and industry-leading expertise ensure that you stay ahead of the curve, safeguarding your business, your people and the environment. Experience the benefits of advanced real time monitoring with Sensible EDP.

Emission Control Simplified

- **Expert Support:** Leverage Montrose's global leadership in Method 21 and Optical Gas Imaging compliance for robust program support.
- **AMEL Services:** Montrose facilitates the preparation and submittal of Alternative Means of Emission Limitation (AMEL) applications to the EPA.
- **Unified Monitoring:** Unify real-time data collection from various programs - community monitoring, fenceline programs, process safety, turnaround and more, all in one platform with EDP.
- **Reputation and ESG Risks:** Showcase your commitment to sustainability by reducing emissions of VOCs and GHGs.

The Detection Response Framework

An important extension of the Leak Detection Sensor Network (LDSN) is the Detection Response Framework (DRF). The Detection Response Framework represents the procedures used to respond to information delivered by the LDSN and to provide important information to the LDSN to ensure ongoing performance.

The LDSN system automatically detects and approximates the location of the emission source in the monitored process unit based on the VOC concentration, wind speed and wind direction. The LDSN then notifies the LDAR team of the detected emissions, who will then take appropriate action under the DRF.

The LDSN monitors a process 24/7

Repeated low level detection: The system estimates a potential source location and sends an alert

An LDAR technician is dispatched using Method 21 or OGI

Leak source is identified, measured and recorded via mobile app

Leak source repaired, re-measured and documented

High level alerts initiate immediate response



Key Features of the LDSN:

- Reduced emissions through faster identification of leaks
- Enhanced process safety with 24/7 monitoring of low and high level leaks
- Reduced manpower on site
- Cost reductions
- Real-time data collection, centralized monitoring, and alerts for proactive response to potential emission issues.

Discover how Sensible EDP can help your business stay compliant with EPA regulations and effectively manage emissions.

Contact our sales team today for a customized monitoring solution tailored to your specific needs and requirements. Embrace the future of compliance, safety and environmental stewardship with Montrose Environmental Group's Sensible EDP.