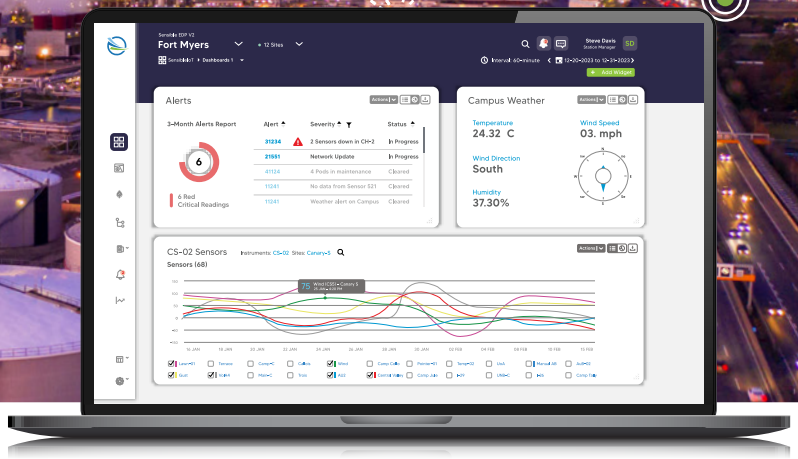
Sensible EDP™
POWERED BY MONTROSE ENVIRONMENTAL

The future of real-time environmental data monitoring

IN-FACILITY MONITORING:

Leak Detection Sensor Network (LDSN)



sensible-edp.com

In-Facility Comprehensive, Real-time Emissions Monitoring

All of your air quality monitoring data in a SINGLE platform

Sensible EDP's Leak Detection Sensor Network (LDSN) provides continuous, real-time detection and emissions monitoring. It helps mitigate VOCs, reduce safety risks for field workers, decrease product loss, and ensure consistent regulatory compliance within your facility.

LDSNs also offer scalability, allowing facilities to expand their monitoring networks as operational needs grow. This flexibility ensures that as your facility evolves, your emissions monitoring system can adapt seamlessly, maintaining compliance and optimizing environmental performance.

The Value of a Leak Detection Sensor Network

Reduced emissions through faster identification of leaks
LDSNs offer real-time data collection, centralized monitoring, and alerts for proactive response to potential emission issues. They also provide an efficient and proactive approach to emissions management, minimizing environmental impact and ensuring operational integrity. In addition, companies also achieve:

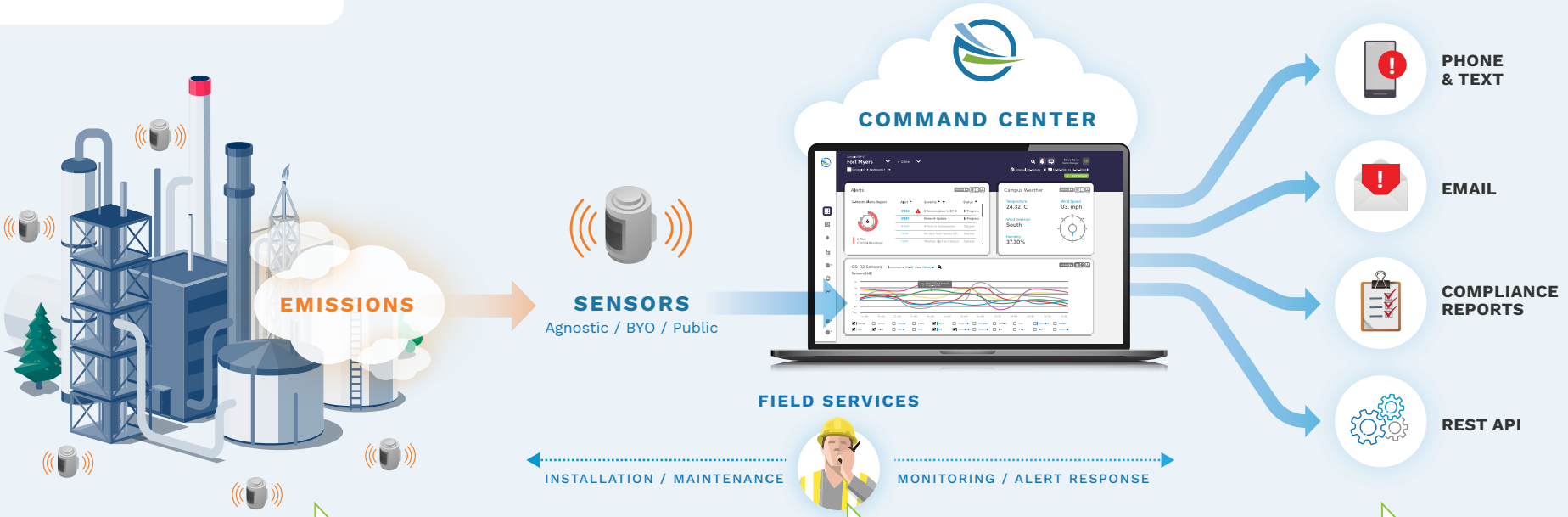
Cost Reductions: LDSN's continuous monitoring capabilities reduce manpower on-site, lower operational risks, help recover "lost" product, enable proactive risk mitigation, and minimize litigation expenses—all resulting in long-term savings.

Emissions Reductions: LDSNs are equipped with automated detection capabilities and can trigger alerts when emissions exceed thresholds. This automated approach enhances the speed of response times resulting in drastically lower fugitive emissions. LDSNs cover a wide area and multiple points simultaneously, ensuring precise VOC detection and an efficient monitoring system.

Improved Process Safety: Prompt leak detection and response enhances safety and ability to meet regulatory requirements by eliminating hazardous inspections and reducing vulnerability to leaks. By reducing the need for personnel to conduct manual inspections, LDSNs contribute to a safer working environment.

Support for Regulatory Compliance: LDSNs meet and exceed state, local, and federal emissions monitoring requirements, ensuring environmental performance and compliance. Montrose can also assist you in applying for an Alternative Means of Emission Limitation (AMEL) while implementing the LDSN solution.

How the LDSN Works



STEP 1

LDSNs deploy real-time C1D2 sensors strategically placed across industrial facilities, enabling continuous monitoring for in-facility leaks. Upon detection of emissions, these autonomous sensors promptly alert LDAR technicians, triggering a structured Detection Response Framework (DRF) process.

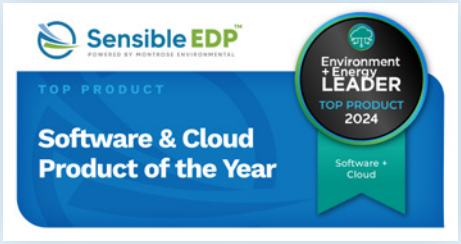
STEP 2

Upon notification, a Potential Source Location (PSL) window guides technicians to identify and pinpoint emission sources. Calibrated Method 21 equipment or Optical Gas Imaging (OGI) is then used for precise documentation and initiation of repair.

STEP 3

All data is recorded within Sensible EDP and on mobile devices for regulatory compliance and streamlined operational efficiency. Montrose's Sensible EDP enhances monitoring with comprehensive data visualization across devices to further ensure regulatory adherence.

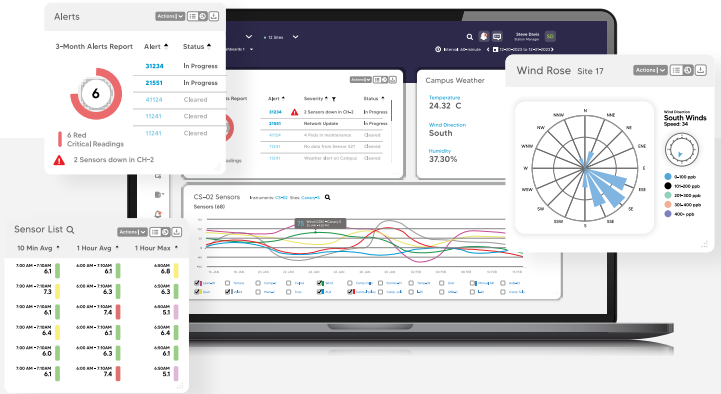
What the judges said...



"Sensible EDP's platform is an excellent tool for aggregating data from multiple sources with real-time notifications. With years of both technical and air quality experience behind it, the company also stays on top of emerging regulatory requirements."

Why Use Sensible EDP for your Leak Detection Sensor Network?

- **Continuous, Automated Monitoring:** Comprehensive coverage of LDSNs mitigates a facility's vulnerability to leaks while increasing process safety by reducing the need for manual leak monitoring.
- **Reduced Manual Errors:** 24/7 monitoring of low and high-level leaks supports immediate identification of suspected leaks, reduces reliance of manpower on-site and ensures no components are missed.
- **Immediate Response:** Automated notifications trigger rapid repairs, minimizing environmental impact and ensuring regulatory compliance.
- **Cutting-edge Technology:** C1D2 certified sensors are utilized within the LDSN to ensure worker safety within flammable environments.
- **Centralized, Integrated Data Management:** Sensible EDP collects and stores emissions monitoring data in real time, across a number of pollutants, in one platform, for easy analysis and reporting.
- **Reduced Reputational & ESG Risk:** Sensible EDP aligns operational efficiency with ESG goals, showcasing a commitment to sustainability
- **Reduce Product Loss** from leaks by as much as 5-10%.



Discover a smarter approach to emissions management with Sensible EDP!

Partner with Montrose Environmental Group and Sensible EDP to implement LDSNs and achieve proactive emissions management. Our experienced team ensures seamless installation, ongoing support, and compliance with evolving regulatory standards.

For more information, contact us at info@sensible-edp.com or visit our website to schedule a demo.

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