FENCELINE MONITORING

D-fenceline™

The world's most versatile, sensitive, and cost-effective fenceline monitoring system — detecting and quantifying 200+ compounds in real time across your entire facility boundary.

200+	24/7	ppb	ISO
COMPOUNDS DETECTED	REAL-TIME MONITORING	LEVEL SENSITIVITY	17025 ACCREDITED

HOW IT WORKS

Deploy. Detect. Locate.

01

Deploy

Sensor configurations tailored to your facility — open-path or point monitors combined with meteorological systems — strategically positioned around your perimeter for complete coverage.

02

Detect

Continuous, simultaneous scanning across 200+ compounds at parts-per-billion sensitivity. Patented analysis algorithms validate every measurement in real time.

03

Locate

Proprietary source-location technology combines multi-point measurements with meteorological data to triangulate emission origins on your facility map.

MULTI-TECHNOLOGY STACK

Open-path: FTIR · UV-DOAS · TDL | **Point monitors:** PID · EC · GC/FID · GC/MS · H_2S · $PM_{10,2.5}$ · XRF | **Software:** DataChecker plume characterization & QA/QC

ONE PLATFORM, EVERY BOUNDARY

Wherever Emissions Cross a Fenceline

D-fenceline™ adapts to the compounds, action levels, and reporting each site requires — deployable across the full range of industrial and institutional facilities:

- Oil & Gas / Refining
- Chemicals & Petrochemical
- Ports & Terminals
- Semiconductor
- Pharmaceutical
- Landfills & Water
- Government & Agencies
- Hazardous Materials

EVERY EVENT ANSWERED

See the Source, Not Just the Signals

Traditional monitoring tells you what's in the air. D-fenceline™ tells you where it's coming from — answering the four questions every EHS team needs.

When?

Detection and alert in real time, event by event.

What?

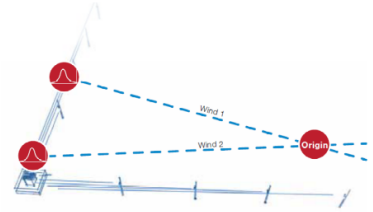
Simultaneous ID of dozens of compounds, spectrally validated.

Where?

Source triangulated from multi-point and meteorological data.

How much?

Magnitude and emission rate quantified for every event.



Source triangulated from two optical paths and wind direction.

Source location and spectral validation, live in the platform — a benzene event on path S2.

Why D-fenceline™

- **Pinpoint source location**
  A unique algorithm triangulates emission origins in real time — not just whether a compound is present, but where.
- **Real-time root-cause analysis & background subtraction**
  Resolves events fast and separates your contributions from upwind emitters — critical in industrial corridors.
- **Detection below required MDLs**
  Field-hardened OP-FTIR and GC/FID built on official US EPA methods, performing under regulatory detection limits.
- **Lower total cost, higher uptime**
  Reliable online operation and an end-to-end design/build/own/operate model that reduces lifetime cost.

BUILT FOR EVOLVING REGULATION

Open-path fenceline monitoring is increasingly required by a widening set of federal, state, and regional rules — many calling for exactly the real-time optical remote sensing D-fenceline™ delivers.

- EPA HON / NESHAP · Jul 2026
- EPA Refinery Rule · Method 325
- CA AB 617 & AB 1647
- SCAQMD 1180/1180.1
- BAAQMD 12-15
- SJVAPCD 4460
- Colorado HB 21-1189
- SCAQMD 1405 (EtO)

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