

Fenceline Solution for Hazardous Air Pollutants



PICARRO



THE NEW STANDARD IN FENCELINE MONITORING

The Picarro Fenceline Solution is a complete monitoring and compliance approach that helps facilities manage fenceline programs with greater clarity, confidence, and simplicity. It combines continuous, real-time fenceline monitoring, integrated mobile source detection, and a secure cloud workflow that brings data, event response, and reporting into one place. The result is a modern program that reduces operational burden while strengthening the quality and defensibility of compliance data.

Real-time Awareness – know what's happening now, not weeks later

Act on issues while they're still actionable. The Picarro Fenceline Solution delivers immediate visibility by continuously monitoring ambient air at the facility perimeter and streaming high-frequency measurements into a secure cloud workflow. With Fenceline Monitoring Systems positioned around the facility's perimeter, teams gain instant, continuous awareness—without waiting weeks for results.

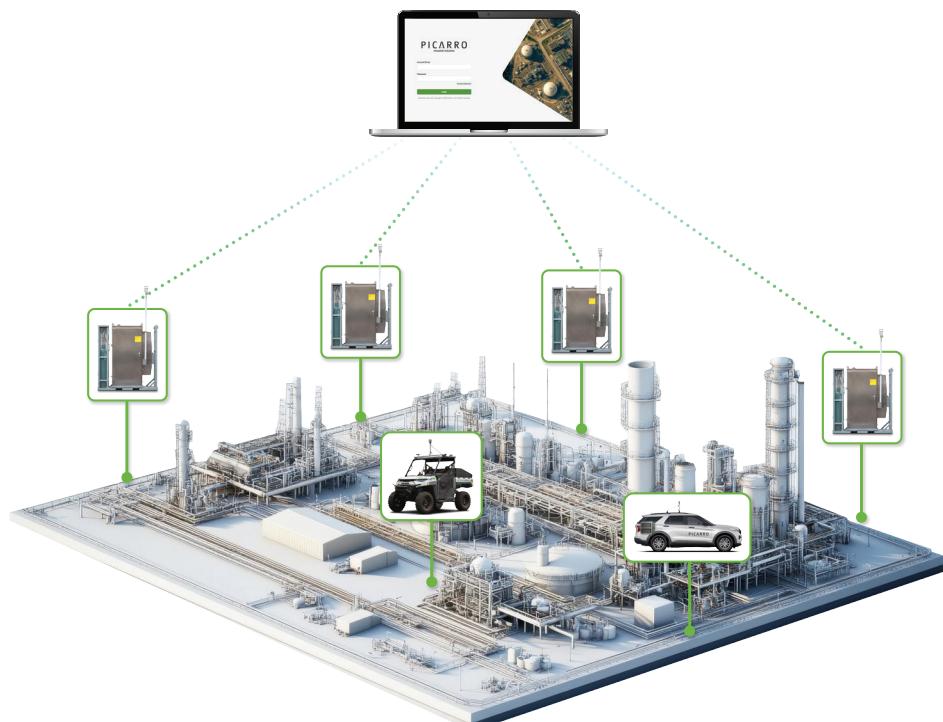


Figure 1. A unified approach: continuous fenceline monitoring, mobile monitoring, and cloud-based analytics working together in real time.

Rapid Source Attribution

– pinpoint sources quickly with integrated mobile monitoring

Pinpoint sources quickly so issues get resolved faster and with less disruption. The Picarro Fenceline Solution supports this with advanced analytics such as plume back trajectories and source partitioning, and it extends attribution with mobile monitoring. Vehicles or UTVs equipped with a mobile version of Picarro's measurement technology can be deployed to survey the facility, detect emission plumes, identify their constituent VOCs, and quickly narrow in on the origin.

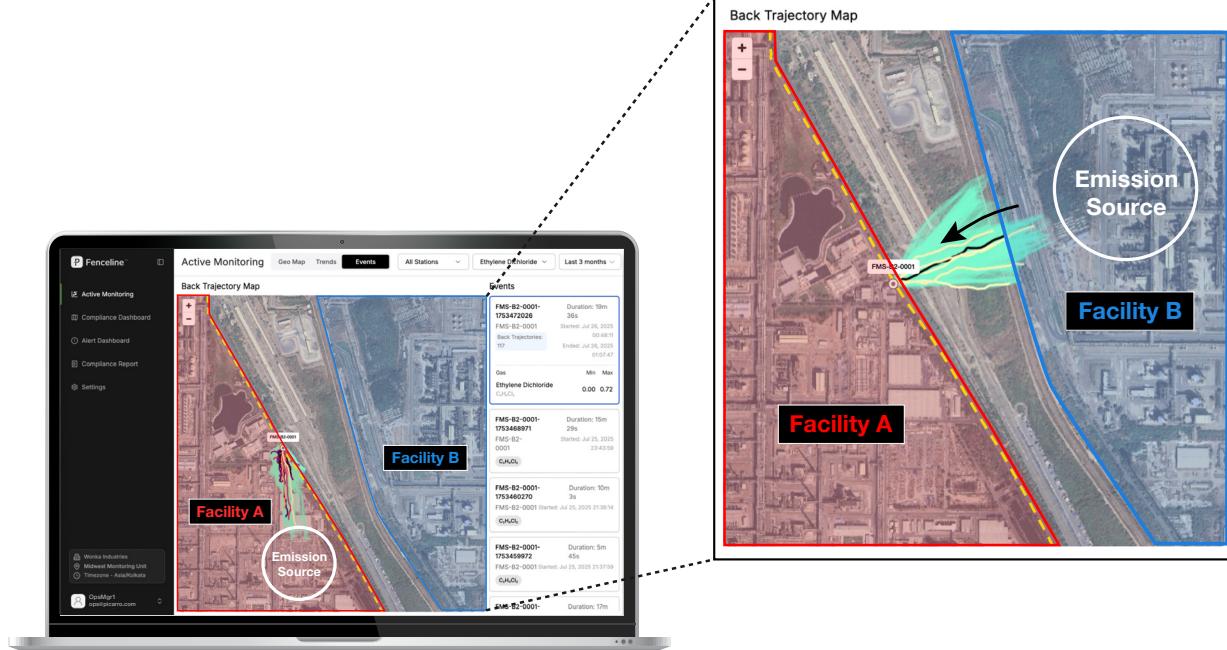


Figure 2. Each Fenceline Monitoring System simultaneously measures VOC concentrations and wind direction, allowing emissions to be traced to their source if they originate on site, and to be excluded from site inventories if they originate off site.

Automated Compliance Workflow – go from detection through reporting in one platform

Move from detection to reporting in one place, with fewer handoffs and less manual effort. The cloud platform automates core compliance steps, including ΔC calculations, corrective action tracking, and EPA-ready quarterly reporting via CEDRI. By managing data collection, processing, compliance tasks, and reporting in a single workflow, the program becomes simpler to run, easier to oversee, and more scalable—with support from Picarro's expert services.

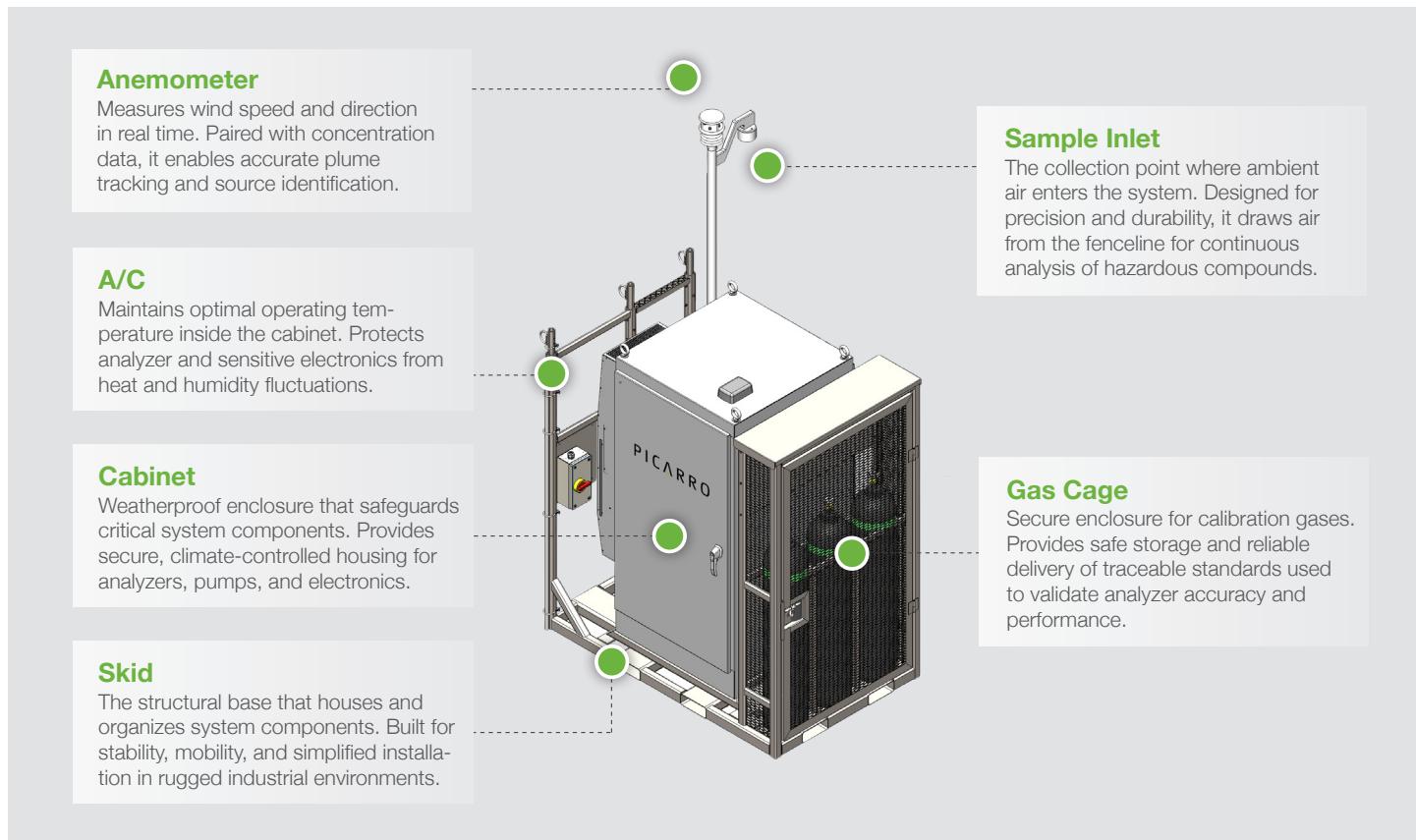
Lower Operational Burden and Better Economics – reduce vendor complexity and resource drain

Reduce vendor complexity, internal workload, and long-run cost. By reducing reliance on third party laboratory analyses, extended personnel hours, and costly dispersion modeling, the Fenceline Solution lowers annual compliance costs compared to Methods 325 and 327, with operational savings exceeding 40 percent.

Defensible Compliance and Fewer Disputes – build unassailable records with regulatory-ready data

Build records you can stand behind, with clearer event narratives and faster closeout from signal to report. The Fenceline Solution is designed to meet U.S. EPA Alternative Test Method requirements under the HON rule (40 CFR 63 Subpart H) and delivers continuous, real-time, part-per-trillion measurements of key HAPs including benzene, 1,3 butadiene, chloroprene, ethylene oxide, ethylene dichloride, and vinyl chloride, plus other VOCs. At its core, Picarro's BB CRDS measurement systems provide the high-quality data that makes the workflow credible and auditable.

Picarro	VS	Passives
15 Seconds ✓	Time to Detection	✗ 2 Weeks
Real-time ✓	Source Attribution	✗ 45 Days
1 Day ✓	Corrective Action Timeline	✗ 3 Weeks
Zero ✓	Manual Labor	✗ 160 hrs/month



Interested in learning more?

Contact Picarro today and let's talk about your facility and how we can help you achieve compliance certainty.

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