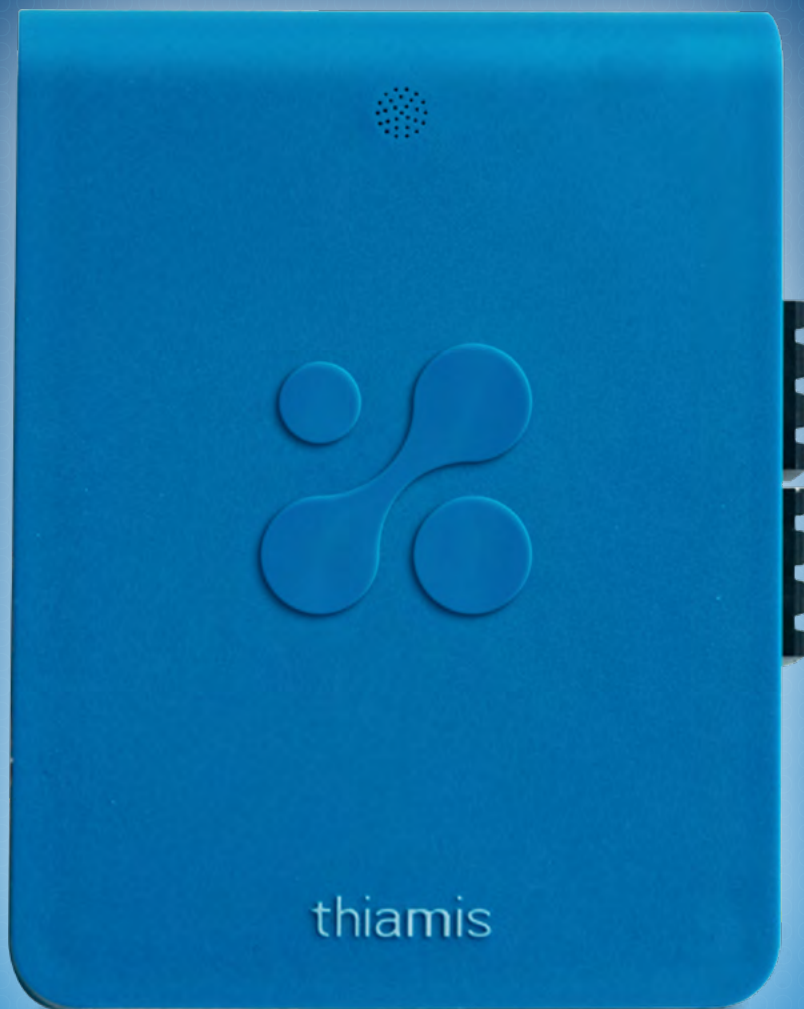# thiamis

Plug-and-Play Sensor Integration

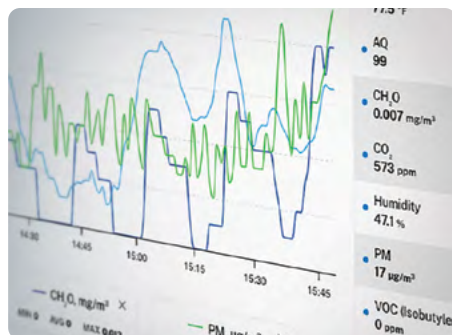aethair

aethair thiamis
Data Connectivity, Simplified

Thiamis is a plug-and-play environmental monitoring platform trusted for over a decade and built for seamless integration with third-party sensors. It combines system control, data logging, digital processing, GPS, and telemetry in a single device, and eliminates manual data retrieval by securely transmitting data over cellular or Wi-Fi to the Aethair Cloud for real-time access and analysis.

Compliance Made Simple

Quickly generate custom, professional reports. Aethair makes reporting simple, accurate, and fast.

24/7 Remote Data Access

Cellular connectivity enables access to real-time data from anywhere in the world, at any time.
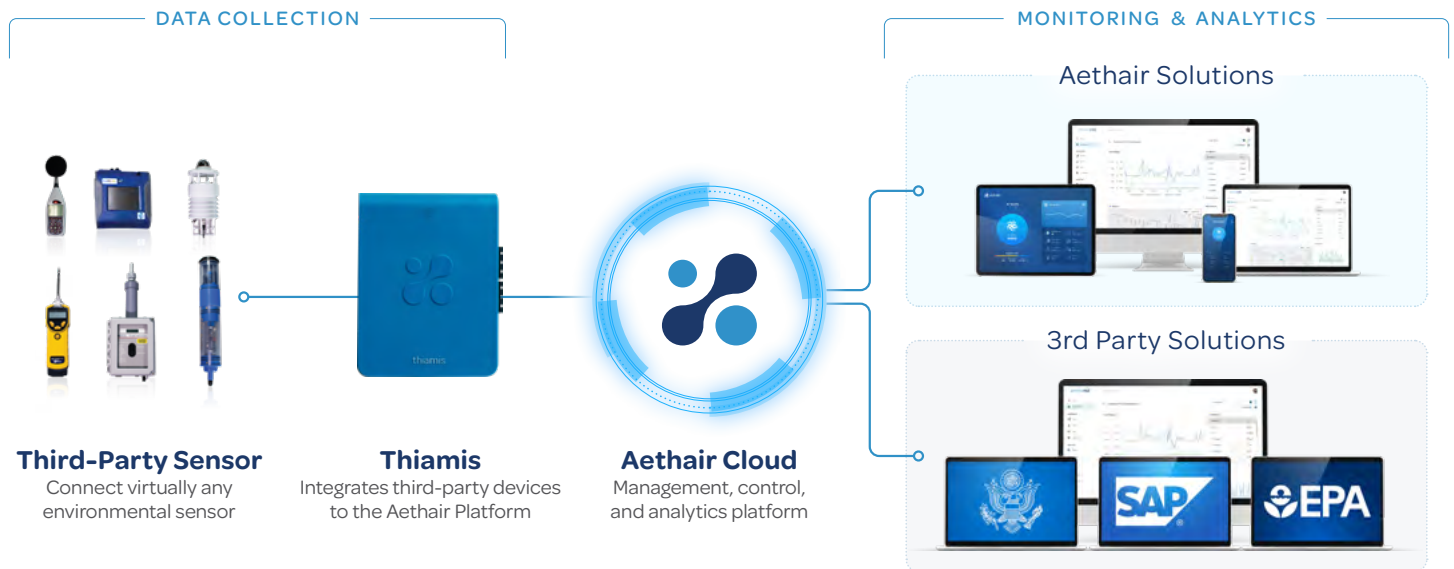
Real-Time Alerts

AI insights and real-time alerts detect site risks early so teams can act fast and stay compliant.

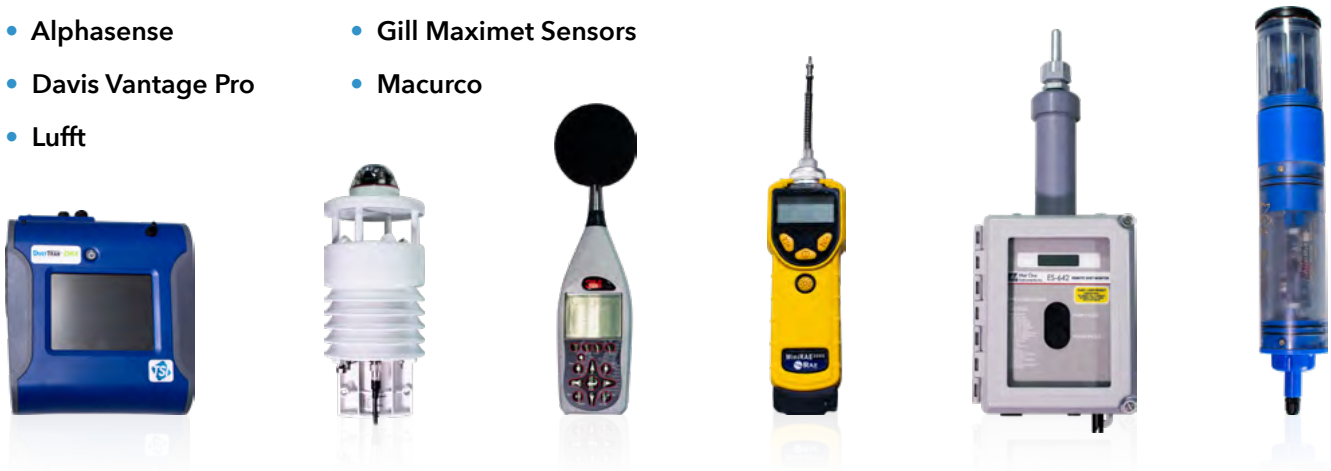aethair

The Aethair Platform

Aethair unifies hardware, cloud, AI, and analytics into one secure platform where data is encrypted and verified end-to-end, ensuring integrity and minimizing human error. The result is an integrated infrastructure that simplifies environmental management, builds trust in every dataset, and enables confident, data-driven action anywhere.

DATA COLLECTION

Third-Party Sensor
Connect virtually any environmental sensor

Thiamis
Integrates third-party devices to the Aethair Platform

Aethair Cloud
Management, control, and analytics platform

MONITORING & ANALYTICS

Aethair Solutions

3rd Party Solutions

Extensive Device Compatibility

Thiamis has been used alongside many industrial sensors, offering professionals seamless access to their data. A few examples are:

- **TSI DustTrak**
- **Rae Gas Monitors**
- **Durridge Radon Sensor**
- **Alphasense**
- **Davis Vantage Pro**
- **Lufft**

- **Eureka**
- **QuestTemp**
- **Young ResponseOne**
- **Gill Maximet Sensors**
- **Macurco**

- **Thermo Scientific**
- **Met One**
- **Particles Plus**

- **Eureka Water Probes**
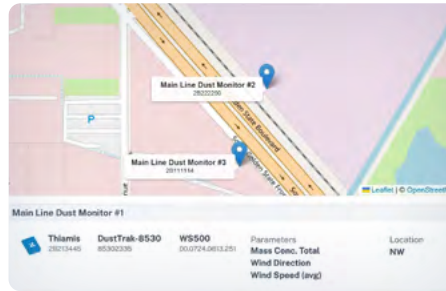- **Teledyne ISCO**
- *And More*

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Generate Reports in Seconds

Quickly generate custom reports using your collected data. Visualize trends, schedule automated reports, and surface insights for air quality, weather, and environmental impact. Configure reports to align with standards such as **NAAQS** and **EPA guidance**, delivering clear results that support defensible decisions and eliminate manual data processing.

Scheduled Reports
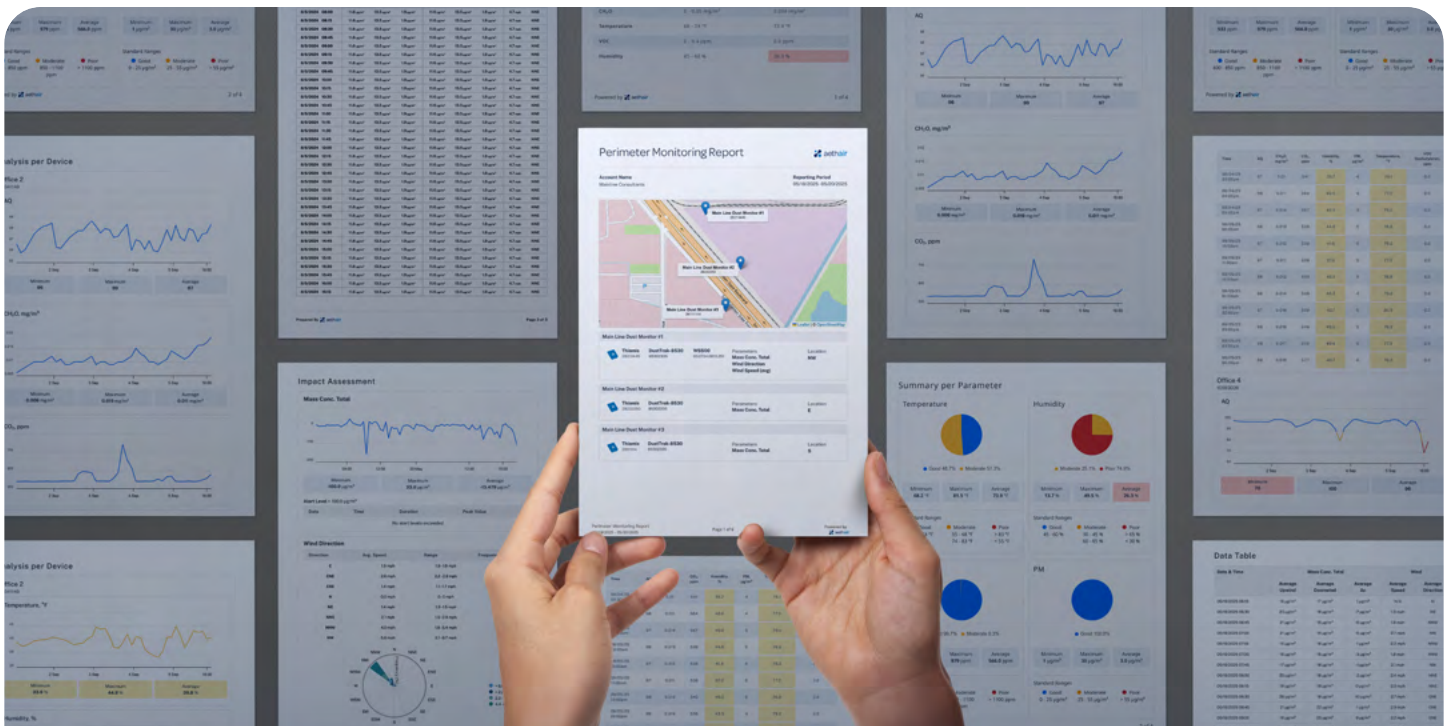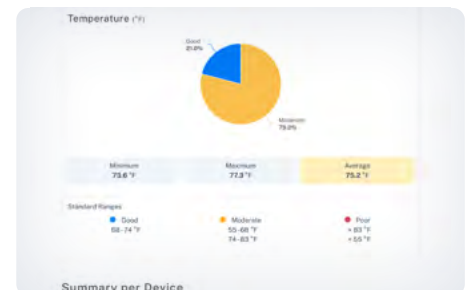

Site Map & Devices

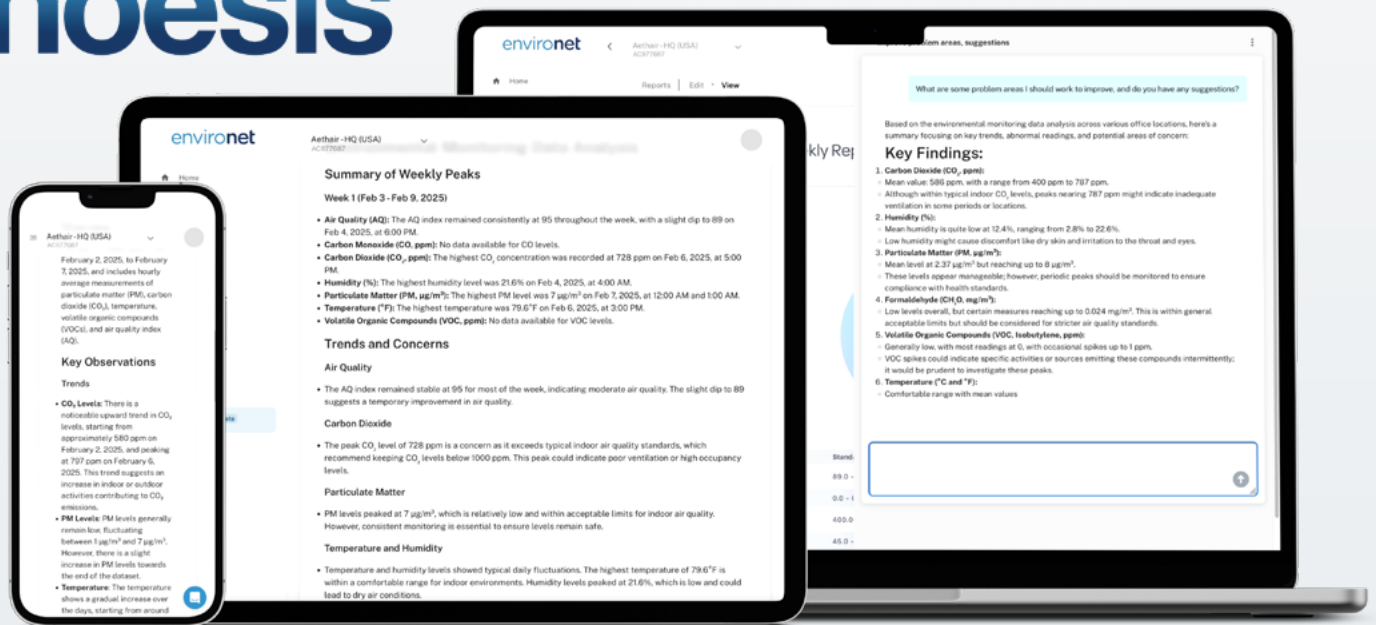
Impact Assessment

Data Tables

Extended Analysis

Data Summaries

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Actionable Insights Powered by AI

Noesis is Aethair's AI-powered analytics engine for environmental data. It transforms real-time and historical data into clear, defensible insights. Ask natural-language questions like "Which monitoring sites showed the highest PM10 levels today?" and receive fast, on-demand answers. Noesis analyzes data to identify risks, flag inefficiencies, generate compliance-ready summaries, and create multi-condition alerts based on defined thresholds. The result is **faster, data-driven decisions that strengthen compliance, improve reporting quality, and enhance environmental insight across monitored sites.**
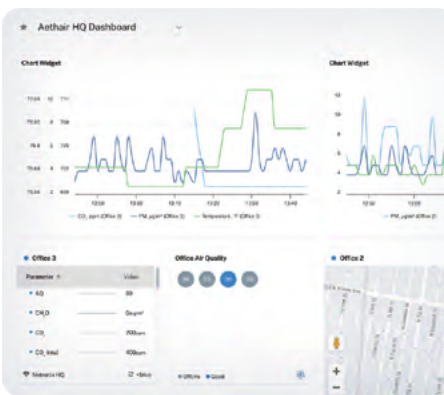
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enviro**net** | Data Monitoring & Management

Environet is Aethair's cloud platform for real-time environmental data management and analysis. Trusted by enterprises worldwide, it provides secure access to live and historical data, turning it into report-ready intelligence that supports compliance, trend analysis, and actionable decisions.
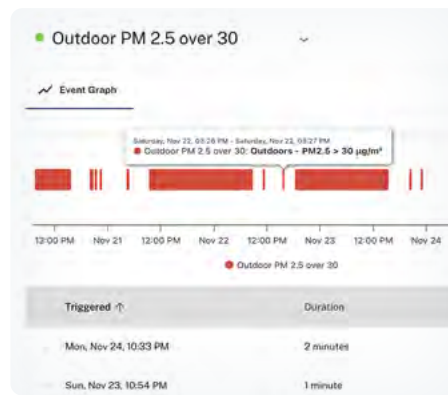
Custom Dashboards

Create customized dashboards for an immediate view of real-time environmental data & analytics.
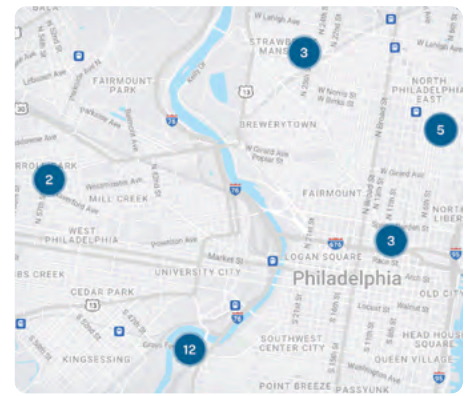

Real-Time Status Alerts

Custom alerts provide immediate feedback on environmental changes, notifying those who need to know.

Device & Data Mapping

Map connected devices for improved environmental analysis utilizing real-time data.

Transforming Environmental Data

Environet is an advanced platform for monitoring and managing environmental data, connecting data, alerts, analytics, and reports into a single workflow so teams can act before issues escalate. Users can track parameters, visualize trends, and review full historical records for any device.

> ❯ **24/7 access to real-time conditions**
> ❯ **AI analysis and reporting tools**
> ❯ **Trend visualization for critical environments**
> ❯ **Customizable alerts for safety thresholds**

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thiamis | Technical Specifications

General

Input Voltage	12 VDC, USB-C
Power	4.6 Watt
Operating Temperature	-30 °C to 75 °C (-22 °F to 167 °F)
Certifications	CE, FCC, PTCRB

Communications

Cellular	4G LTE / 3G / 2G
WiFi	802.11 b/g/n
Bluetooth	Bluetooth 4.0
Mesh	Zigbee
GPS	A-GPS, Sensitivity > -165dBm, 3m Accuracy
Antenna	Built-in (2G/ 3G / 4G, GPS, Zigbee, Bluetooth) External MCX Female (Cellular and GPS) *[Optional]*
SIM Card	Built-in

Data Logging

Digital Ports	RS-485, RS-232 (3-multiplexed), SDI-12, 2xUSB-C
Delta Port	Expansion port for Analog and Digital I/Os
Wireless Ports	Mesh, Bluetooth and WiFi
Clock	Real-time
Protocols	ASCII, ModBUS, SDI-12. UMB and more
Memory	Built-in

Sensors (built-in)

Temperature	**Range**	0° - 45° C
	Resolution	0.1 °C
	Maximum Error	± 0.5° C from 15° - 30° C
Humidity	**Range**	15 - 75% RH
	Resolution	0.1 %RH
	Maximum Error	± 2 %RH
Barometer	**Range**	300-1100 hPa
	Resolution	± 0.12 Pa
	Maximum Error	± 1.3 Pa

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Automated environmental
data collection and reporting,
built for real-world monitoring.

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