



Solutions For

Construction





Data for Safety & Compliance

Environmental and air quality monitoring play a crucial role in the construction industry, assisting in monitoring vehicle cabin air, job site air quality, environmental impact, and health and safety compliance. When used effectively, Aethair monitoring solutions can mitigate potential hazards such as dust, particulate matter, and VOCs, safeguarding both workers and nearby communities. Aethair assists with regulatory compliance by utilizing real-time data and reporting, thereby reducing risks, liabilities, and costs. By prioritizing environmental and air quality monitoring, the construction sector can uphold sustainability practices, meet regulatory requirements, and promote the well-being of workers and the communities in which they operate.

Regulatory Compliance

Aethair streamlines environmental reporting for regulatory compliance, saving companies time and money.



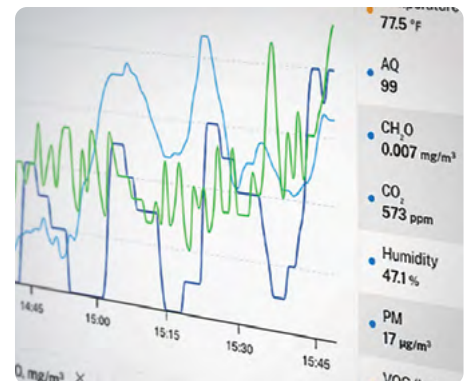
4G LTE Cellular Connectivity

Aethair Devices have global connectivity and are designed with enterprise level security, privacy, and scalability.



24/7 Remote Data Access

Remotely access real-time data from anywhere in the world, at any time, on our web console, Environet.



Unmatched Versatility



Equipment Cabin Monitoring

Real-time monitoring of cabin air quality informs machine operators, supervisors, and safety officers about key parameters like pressurization and carbon dioxide levels, triggering alerts to ensure swift intervention when levels become unsafe.



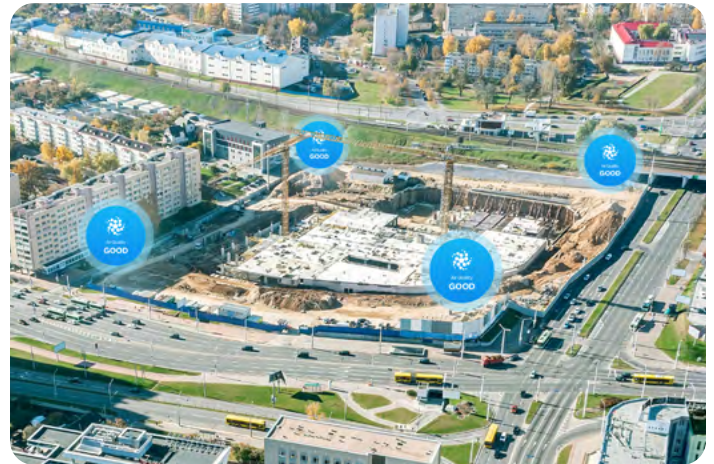
Health & Safety Compliance

Compliance with environmental standards is a legal requirement and a crucial aspect of responsible construction practices. Aethair streamlines this process with a trusted monitoring platform used by professionals for over a decade.



Job Site Air Quality

Job sites involving excavation and heavy equipment use can generate substantial levels of dust, emissions, and airborne pollutants. Aethair solutions offer real-time monitoring of these hazards, notifying job site managers promptly if environmental conditions require attention to ensure compliance with regulations and health & safety standards.



Perimeter Monitoring

Aethair solutions better equip construction sites to remain compliant with environmental regulations, including Rule 1466, mitigating the risk of potential fines and legal complications. Continuous monitoring facilitates real-time pollutant tracking and enables data-driven decision-making, optimizing job site management and contributing to cost savings.

Is your application not listed? Don't worry – we've got you covered!

These are only a few examples of potential applications for Aethair solutions. Regardless of the sector, we have tailored solutions to meet your needs. Reach out to us today to explore how we can assist you with environmental monitoring:

Email: sales@aethair.io Phone: +1 (267) 225-8487

A New Standard for Advanced Monitoring



Aethair PRO stands as the ultimate solution for customizable industrial-grade monitoring—offering the accuracy and user-friendly operation that is only found with Aethair solutions. Aethair PRO utilizes a unique customizable approach, creating the most adaptable solution on the market. By utilizing the versatile Aethair platform, it provides users with a highly reliable solution that not only ensures adherence to various regulations but also minimizes liability. Aethair PRO offers numerous advantages, including:

- › Unmatched data security
- › 4G LTE communication
- › Off-site data access
- › Hot-swappable gas sensors
- › Virtually No Maintenance
- › Continuous Monitoring












Built-In Sensors

Aethair IAQ is designed with pre-calibrated, accurate sensors that monitor key air quality parameters:

-  Pressure
-  Humidity
-  Particulate Matter
-  Temperature

Custom Gas Sensor Setup

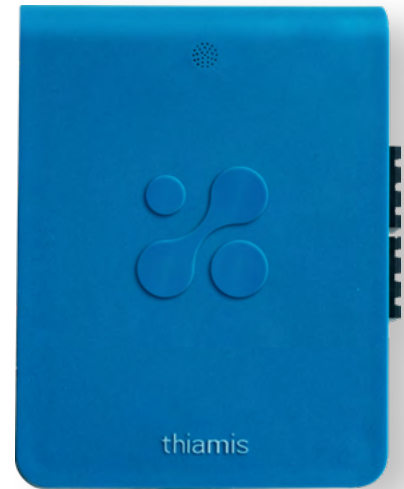
Aethair PRO offers a diverse range of gas sensor options to tailor the solution to meet your specific needs. All sensors are designed in the form of pre-calibrated, hot-swappable cartridges, ensuring accurate measurements at all times while minimizing downtime.

-  Formaldehyde
-  VOCs
-  Carbon Dioxide
-  NOx
-  Carbon Monoxide
-  SOx
-  Ammonia
-  Ozone
-  Methane

[Contact us for more >](#)

Revolutionizing Data Connectivity

The Thiamis has been known by industry professionals for more than a decade, as it has been the only device that enables plug-and-play integration with 3rd party sensors. It offers capabilities including system control, data logging, digital processing, global positioning, and telemetry. The Thiamis includes multiple ports, allowing users to connect virtually any 3rd party sensor. By connecting a 3rd party sensor, you eliminate the need to manually retrieve monitoring data, as all data will be sent wirelessly over a secure cellular or wifi connection to the Aethair Cloud.



Hardware Connectivity

The Thiamis includes multiple ports, such as RS-485, RS-232 (3-multiplexed), SDI-12, 2 USB-C ports, and expansion ports for Analog and Digital I/Os, enabling users to connect virtually any third-party sensor or system. By connecting a third-party device, it eliminates the need to manually retrieve monitoring data, as all data will be sent wirelessly over a secure cellular or wifi connection to the Aethair Platform.

Extensive Device Compatibility

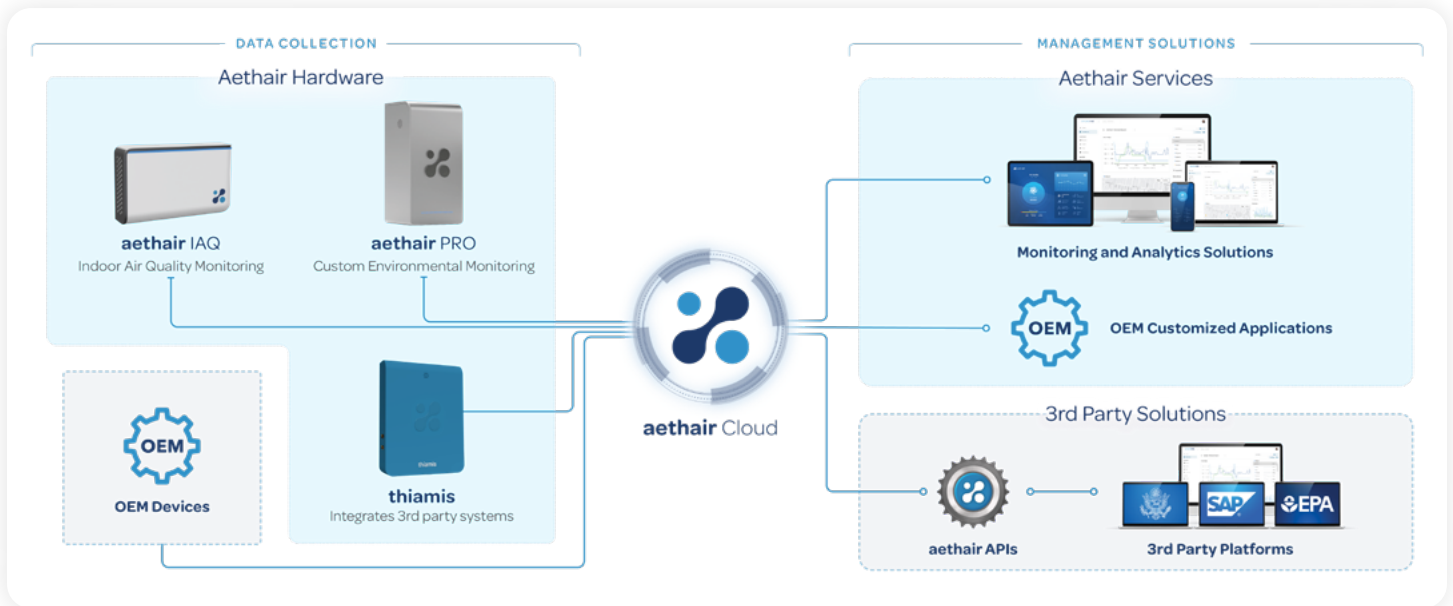
Thiamis has been used alongside many industrial sensors, offering professionals seamless access to their data. A few examples are:

- TSI DustTrak
- Eureka
- Thermo Scientific
- Eureka Water Probes
- Rae Gas Monitors
- QuestTemp
- Met One
- Teledyne ISCO
- DurrIDGE Radon Sensor
- Young ResponseOne
- Particles Plus
- **And More!**
- Alphasense
- Gill Maximet Sensors
- Davis Vantage Pro
- Macurco
- Lufft



An Integrated & Seamless Platform

Experience the efficiency of a unified solution that not only simplifies but transforms the monitoring process, setting a new standard in environmental data management. Offering unparalleled flexibility, the Aethair platform seamlessly delivers real-time data, enabling users to monitor their environment from anywhere, at anytime.



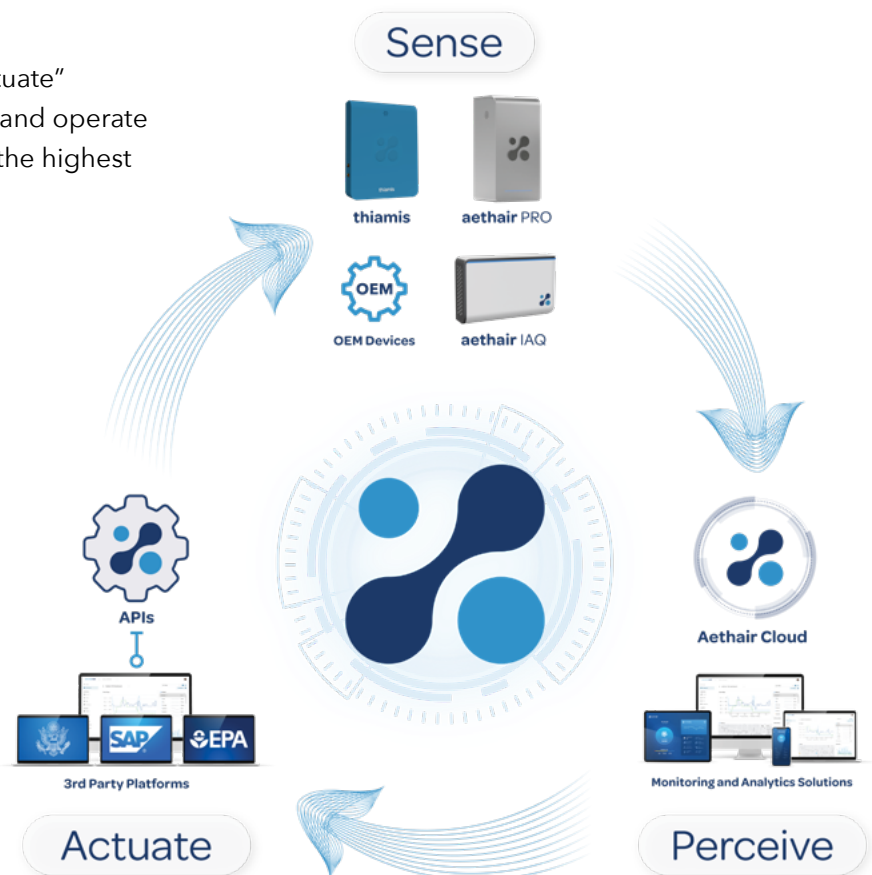
End-to-End Solutions

Our platform follows the "Sense - Perceive - Actuate" closed loop approach, providing easy to install and operate environmental solutions at any scale, following the highest standards for security & privacy.

SENSE Aethair devices continuously sense environmental conditions, communicating real-time data to our platform through a secure 4G LTE connection. This data is then instantly made available online on Environet.

PERCEIVE With Environet, users have access to all their data with the ability to visualize trends, map devices, set up real-time alerts, manage devices and users, generate environmental data reports, and much more.

ACTUATE By harnessing the capabilities of AI and ML and integrating them with real-time data, users can automate responses and leverage their data in a manner only achievable through the Aethair platform.

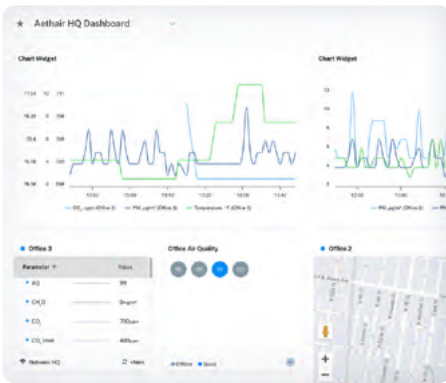


Data Monitoring & Management

Environet is the most advanced web-based environmental monitoring platform available on the market, trusted by large enterprises in mission-critical projects around the world. The platform enables device management, user management, analytics, alerts, real-time device mapping, reports, automations, and much more, all in a user-friendly environment. Users can access these tools, along with real-time environmental data, at any time and from any place in the world, in a secure and encrypted professional environment.

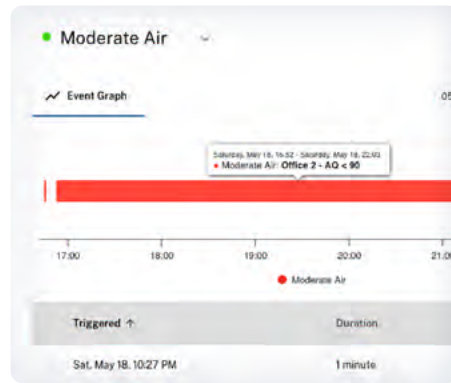
Customizable Dashboard

Create customized dashboards with various widgets for an instant view of real-time environmental data & analytics.



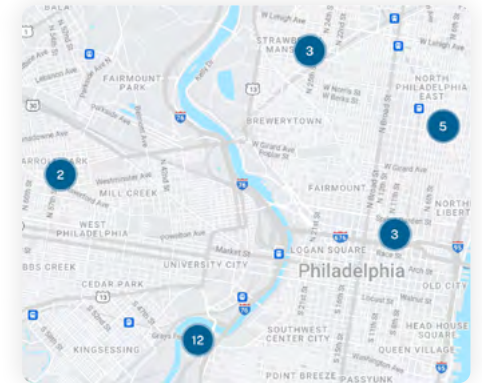
Real-Time Status Alerts

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



Device & Data Mapping

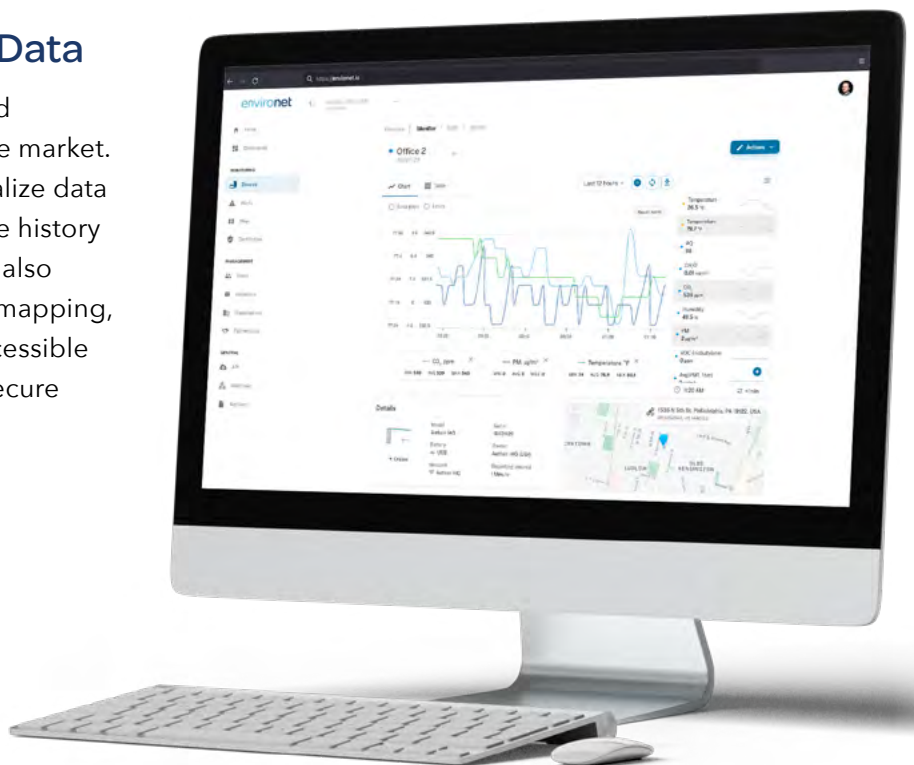
Map connected devices for improved environmental analysis and informed decision-making utilizing real-time data.



Transforming Environmental Data

Aethair offers the most advanced web-based environmental data platform available on the market. Users can monitor specific parameters, visualize data trends, and access all data recorded over the history of the device's operating time. The platform also enables device & user management, alerts, mapping, reports, and much more. These tools are accessible at any time, anywhere in the world, all in a secure and encrypted professional environment.

- 24/7 Access to real-time data
- Numerous tools for data analysis
- Individual parameter monitoring
- Advanced alert system



The Trusted Environmental Data Platform

Aethair is trusted by large enterprises in mission-critical projects all over the world, thanks to our ability to offer real-time monitoring using Aethair devices as well as 3rd party sensors connected via the Aethair Thiamis. With a strong foundation built on high-security standards, robust encryption, data integrity, and scalable capabilities, we've become the preferred choice for businesses that demand the utmost in data security and reliability. Join us and explore what is possible with secure, on-demand data.



Environmental

Harvest data seamlessly from a variety of sensors and monitors, guaranteeing data integrity, while enhancing operations with cutting-edge tools and intelligence.



Industrial

Experience unparalleled precision, security, and scalability for continuous monitoring, catering to the needs of any industry for compliance and safety.



Commercial

Elevate tenant satisfaction and streamline building ESG operations with powerful data-driven insights for unparalleled efficiency and excellent service.

When Data Matters The Most

With 24/7 access to air quality data from anywhere in the world, the Aethair platform offers users the most flexible monitoring solution available. The benefits and flexibility of using Aethair to view real-time data make it the easy choice for anyone who needs a reliable and secure solution for environmental data. The Aethair platform provides a way for users to:

- Adhere to Standards
- Comply with Regulations
- Improve Safety
- Reduce Liability
- Improve Quality Assurance
- Control Connected Systems



Aethair

Our mission is to leverage cutting-edge AI and IoT technologies to improve our environment and promote the health and well-being of people worldwide.

Over the years, we have garnered numerous awards, deployed devices in over 44 countries, and helped pioneer the future of indoor air quality monitoring. We are dedicated to fostering safer environments everywhere. Whether it's detecting smoke during wildfires or alerting individuals to biological and chemical hazards in any setting, including homes, hospitals, restaurants, shared transportation, and office buildings. We provide comprehensive environment monitoring for both indoor and outdoor settings, alongside third-party device integration, system management, and data integration.



A Global Data Platform

We are the most trusted global environmental and air quality data platform, serving the industry for over a decade. We provide minute-by-minute mission-critical data to professionals in enterprise, government, and military sectors worldwide. Our platform is recognized for its exceptional security, scalability, and data integrity.



36 Billion+
Annual Measurements



44+
Countries



10,000+
Professional Users

How can we help you?

If you would like to find out more about how we can help you, please give us a call or send us an email.

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see the air you breathe
aethair.io

