



Solutions For

# Transportation





# The Future of Transportation

Along with the benefits public transportation offers in helping cities become more accessible, equitable, and efficient; it can also make them safer. Aethair plays a crucial role in elevating transportation safety and security standards by providing innovative solutions that promote safer environments, regardless of the mode of travel—whether by car, train, bus, plane, or any other means. This commitment seamlessly extends to indoor spaces, including train stations and subway stops. Aethair devices operate continuously, ensuring the well-being and safety of those who rely on public transportation, fostering trust and confidence within the local community. Aethair solutions establish a comprehensive layer of health & safety seamlessly integrated at every stage of travel, benefiting commuters, staff, and companies alike.

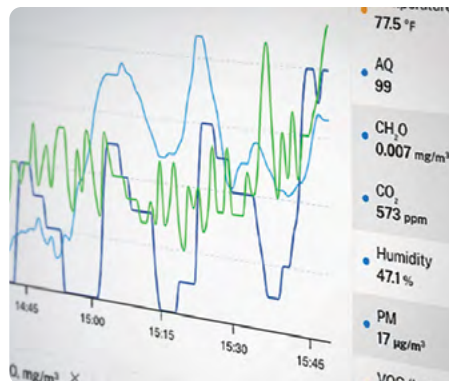
## Comply with Regulations

Aethair enhances environmental data monitoring and management, streamlining regulatory compliance.



## 24/7 Remote Data Access

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



## Promote Your Safety

Instill confidence and ensure safety for travelers and staff, building a secure, health-conscious environment.



# Monitoring for Every Sector



## Buses

Air quality monitoring in public transportation (vehicles and hubs/stations) is crucial to protect passengers' health. Aethair identifies pollutants like particulate matter and harmful gases, ensuring a cleaner, safer, and more comfortable experience.



## Trains

Continuous air quality monitoring allows prompt action to maintain optimal conditions, informing ventilation and filtration choices, ensuring regulatory compliance, and supporting a positive passenger rail experience.



## Taxis & Rideshare

Real-time air quality monitoring in shared vehicles aids both drivers and passengers by detecting and addressing pollutants. This proactive approach not only ensures occupant well-being but also fosters a positive image for the industry, emphasizing a commitment to environmental and public health standards.



## Airplanes

Air quality conditions while flying present unique challenges, and monitoring empowers airlines to address specific issues like cabin pressurization and ventilation, optimizing conditions for passengers and crew. Furthermore, adherence to air quality standards enhances the overall travel experience.

## Don't see your sector? 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](mailto:sales@aethair.io) Phone: +1 (267) 225-8487

# Redefining Indoor Air Monitoring

Aethair IAQ is precision-calibrated and certified for exceptional accuracy, all at a fraction of the cost of typical solutions. Aethair IAQ accurately monitors and continuously reports on-site air quality in real-time, enabling effective remediation, informed decision-making, and even automation.

## Unmatched Performance

The only low-cost device on the market that is calibrated & certified according to institutional standards, with performance correlating to over 90% of that of reference instruments.

## Intelligent Analytics

Its powerful processor combines AI and machine learning to monitor and collect data accurately, helping to identify and classify potentially dangerous events (smoke, gases, etc).

## Secure Standalone Connectivity

An independent and self-sufficient device that utilizes 3G/4G, WiFi, Bluetooth, and mesh to connect the to our cloud, without the need for a local network, eliminating any security concerns.



## Built-In Sensors

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



### Air Quality Index

The Aethair Air Quality Index provides a quick overview of their indoor air quality, determined by real-time data and advanced algorithms.



### VOCs

Volatile organic compounds (VOCs), are chemicals with potential negative impacts on health over both short and long periods of time.



### Pressure

Differences in pressure increase/decrease airflow, spreading airborne contaminants, as well as playing a role in joint pain and occupant discomfort.



### Particulate Matter

Particles can linger in the atmosphere and also travel deep into the body causing both short and long term negative health effects.



### Formaldehyde (CH<sub>2</sub>O)

Formaldehyde is a dangerous, naturally occurring gas, commonly emitted by painted surfaces, fabrics, carpets, and adhesives.



### Humidity

High/Low levels of humidity negatively impact health, supporting mold growth, building decay, occupant discomfort, and supporting virus spread.



### Carbon Dioxide (CO<sub>2</sub>)

High levels of CO<sub>2</sub> can cause sleepiness, distraction, lethargy and affect productivity, concentration, and work performance.



### Temperature

Temperature can play a role in mental fatigue, discomfort, reduced physical performance, and delayed information processing.

# 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

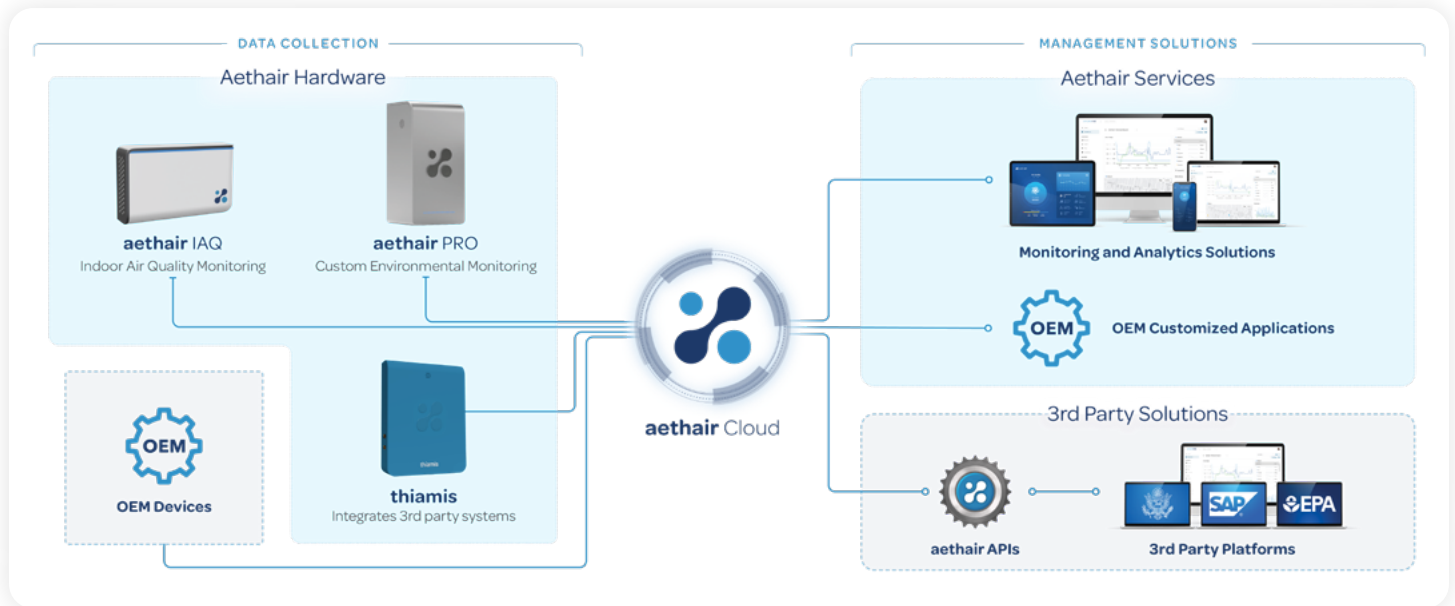
Aethair PRO offers a diverse range of gas sensor options to tailor the solution to meet your specific needs. All sensors are designed in the form of pre-calibrated, hot-swappable cartridges, ensuring accurate measurements at all times while minimizing downtime.

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

[Contact us for more >](#)

# 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.



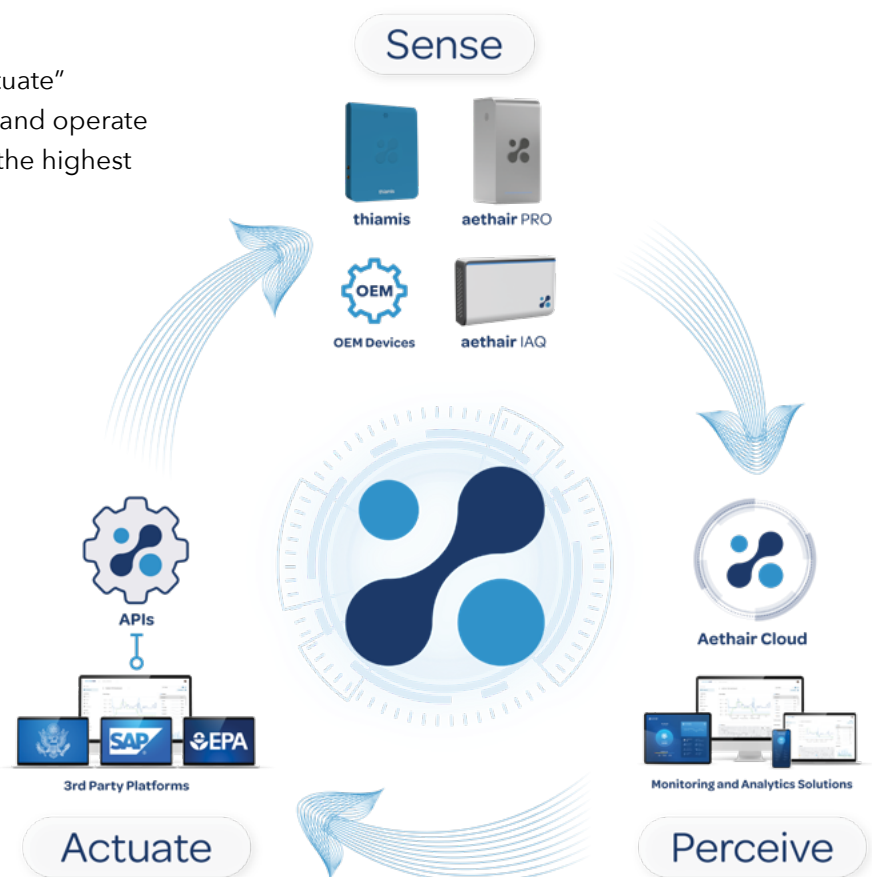
## End-to-End Solutions

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.

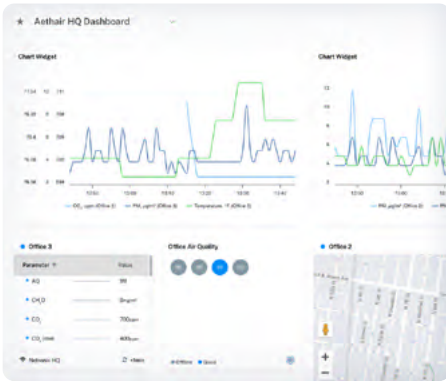


# Data Monitoring & Management

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.

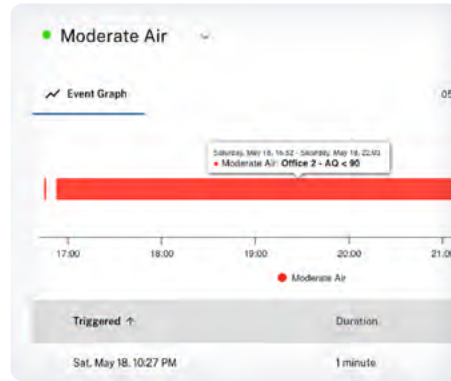
## Customizable Dashboard

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



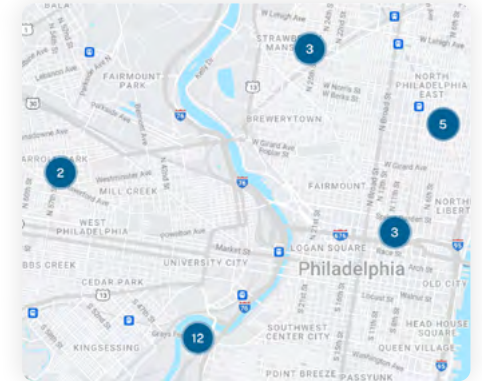
## Real-Time Status Alerts

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



# Dashboards & Public Displays

Aethair Dashboards enable transportation services to display the real-time air quality status in buses, taxis, ride-share vehicles, planes, trains, as well as in related indoor spaces, including airports and subway stops. Presented in a simple and easily understandable format, these displays help reassure passengers that the air is continuously monitored and safe, inspiring confidence within the community and fostering safer environments.

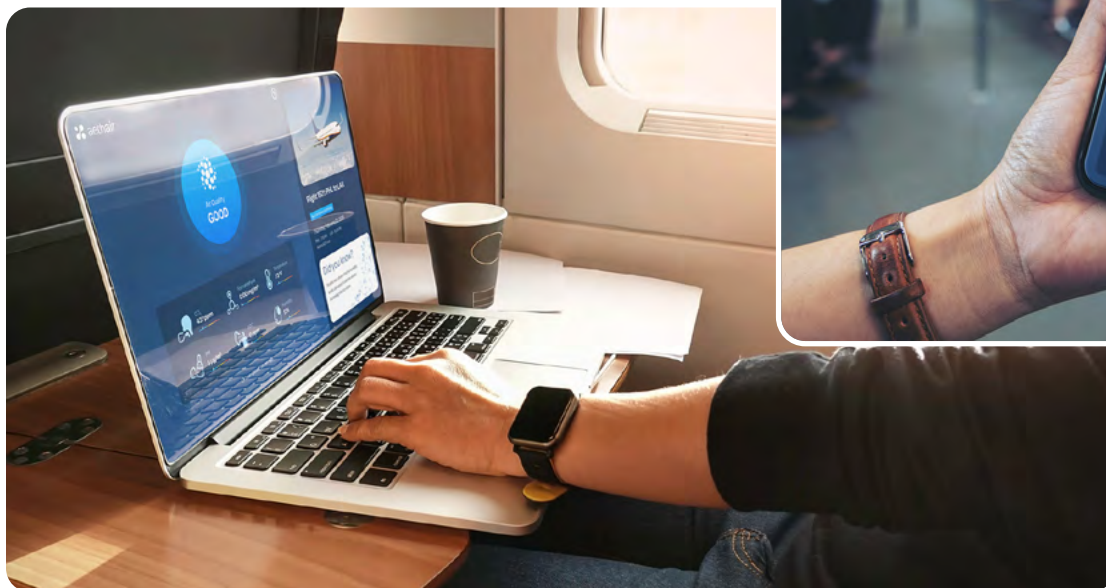


## Displays For Every Location

We know that a safe environment is crucial for peace of mind. Aethair enables people to visualize air quality by monitoring, analyzing, and displaying key components that affect health. Aethair Dashboards can be presented in vehicles or public spaces to build confidence with passengers and staff, and ensure full transparency in order to comply with regulations and other guidelines.

## Mobile & Online Displays

Aethair offers public dashboards, available online and through scannable QR codes, that enable occupants to view the real-time air quality status. These are a great way to market air quality and reassure everyone that the air quality is safe and healthy.





# 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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sales@aethair.io

see the air you breathe  
aethair.io

