

Smart Air Quality

Monitoring for building & Infrastructure



Real-time environmental data for responsible

Construction

Air quality has become a critical risk for the construction projects

Construction activities generate dust, gas, and noise emissions that can affect the environment, leading to community complaints and regulatory non-compliance. Without continuous monitoring, it is difficult to demonstrate compliance with regulations or react quickly to unforeseen pollution events.

Without continuous monitoring, construction companies face



Regulatory penalties



Work stoppages



Conflicts with communities



Reputational loss



Lack of technical evidence during inspections

Without on-site monitoring, emissions become an external risk

Dust from earthmoving, material cutting, and the constant movement of machinery can easily disperse beyond the construction site perimeter. Added to this are vehicle emissions and the continuous noise of heavy equipment, factors that are difficult to control without measurement. Without environmental monitoring, it is difficult to anticipate problems, demonstrate compliance, or respond to complaints from authorities or communities.



What needs to be kept under control



Dust generated by earthmoving and materials



Emissions from machinery and construction traffic



Particles on the perimeter of the project



Continuous noise from machinery and operations



Dispersion of pollutants by wind and weather

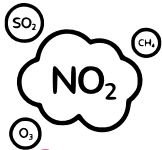


Changes in air quality during construction

Advanced real-time environmental monitoring

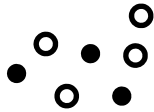
With Bettair technology, monitoring is integrated as part of construction control through an intelligent environmental monitoring system designed to measure air pollutants present in daily construction activities in real time. This continuous monitoring allows for proactive risk management, providing objective and traceable data throughout the entire project development.

What does the system measure?



Gases

It protects you from claims related to machinery fumes and guarantees the health of your workers.



Particles

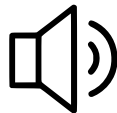
It allows for the control and mitigation of generated dust, complying with regulations and preventing complaints from neighbors.



Environmental variables

It helps to optimize construction activities that are most sensitive to weather conditions.

Temperature, Humidity, Pressure



Environmental noise

It provides you with objective data to defend yourself against noise pollution complaints and comply with ordinances.



The pollution rose allows you to identify the origin of polluting episodes and odors.

Benefits for building companies

✓ Environmental compliance

Availability of verifiable data that facilitates audits, inspections and regulatory compliance.

✓ Proactive management

Early detection of pollution episodes and immediate reaction capacity.

✓ Operational optimization

Environmental information that allows for improved planning and management of the project.

✓ Conflict prevention

Objective data to respond to complaints from communities and neighbors.

✓ Transparency

Improved communication with authorities, promoters and stakeholders.



Flexible implementation for each project

Bettair adapts to different types of construction and infrastructure projects through different implementation models.

Applications



Urban works



Industrial projects



Real estate developments



Tunnels and major public works



Transport infrastructure

Easier for your business



Sensor rental

Environmental monitoring during the duration of the work.

Recommended



360° Service

An all-in-one solution, where you don't have to worry about anything but the data.

Includes:

- Teams
- Installation
- Data platform
- Maintenance
- Environmental analysis



Equipment Purchase

Featured projects in the sector



Madrid Formula 1 Circuit



"The Ellinikon" Project, Athens



Cortina d'Ampezzo Olympic Games.

Compliance



"Class 1"



M-CERTS

