

AirQino Applications:

Research and Consultancy

- ✓ Air Quality Networks
- ✓ Nature Based Solutions
- ✓ Environmental Assessments
- ✓ Data Hosting
- ✓ Real Time Data
- ✓ Data Analysis



Services offered in collaboration
with the Italian National Research Council,
responsible for calibration and data validation.

Research and Consultancy

Collecting local meaningful data represents only the first crucial step towards the definition of effective **mitigation strategies**.

Through its network of institutional trusted partners, the AirQino ecosystem aims at providing a multi-level solution to its clients.

This goes beyond data collection and extends to targeted research, environmental assessments, and consultancy on actionable mitigation strategies such as **Nature Based Solutions**.

AirQino has been utilized by several **research institutes** and is widely accepted in the academic literature as one of the top-referenced air-quality technology system employed to conduct scientific research studies.

EU EPAs have contributed to the development of the technology, thus vetting the system functionality, and conducting joint analysis that utilize official EU reference stations alongside AirQino monitors.

Upon request we are proud to offer detailed, **custom reporting services**.

Bulletins and detailed reports, studies and environmental assessments elaborated on the base of the data collected by AirQino.

Reports are officially produced by the **Italian National Research Council: Istituto per la BioEconomia, CNR Firenze**.



AirQino Monitoring System

AirQino is a high precision environmental monitoring system. A cost-effective solution designed to detect, store and analyze data about the most important **air pollutants** and **chemical compounds** present in the atmosphere.

AirQino was developed by the **Italian National Research Council (CNR IBE)** in collaboration with TEA Group for the production and Quanta Srl for distribution.



Monitoring Stations

Indoor or outdoor, detect weather conditions and the **concentration of pollutants**.



Real Time Data

The **modular structure** of AirQino allows to establish high-precision monitoring networks.



AirQino Cloud

AirQino web platform collects data and provides reporting and **analysis tools**.



Calibration

Monitoring stations can be configured with a wide set of sensors, calibrated by CNR® using **official ARPA stations**.



Data Analysis

AirQino Web platform provides in-depth data reporting and analysis tools. **Reports** are available upon request.



AirQino Stations

AirQino stations allow to detect a wide range of pollutants such as: **NO2, O3, O3, PM2.5, PM10, CO2** and much more. Specific solutions are available for any project. Select one of our standard configurations such as **Base, Smart** or request a custom sensors set-up.

Smart



AirQino Smart monitors the concentration of dangerous pollutants and chemical compounds such. For this configuration it's not possible add any other sensors.

Base



The basic version of AirQino detects temperature, humidity and monitors agents pollutants such as **CO, NO2, O3, PM 2.5 and PM 10**, and the main one climate-altering gas: **CO2**.

Traffic



Vehicular traffic of light and heavy vehicles is the main cause of many pollutants such as **NOX (nitrogen oxides)** and high levels of **PM2.5 and PM10** (fine dust).

Data Hosting

Data detected by AirQino monitoring stations are transmitted to **AirQino Cloud**. Here they are adjusted with the respective calibration coefficients and **dedicated algorithms** to generate the final output data. Real Time Data are available through **AirQino Web** (your Air Quality Map) or **APIs** for the integration with other dashboards. Upon request, our team can develop a custom dashboard for your project.



Data Analysis

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