



Park &
BREATHE
BY FLOWBIRD

ADVANCED AIR-QUALITY DATA
THAT PROVIDES SMART CITIES
WITH ACTIONNABLE INFORMATION

PARK & BREATHE

**MEASURE AIR AND NOISE POLLUTION FOR
BETTER CONTROL AND REDUCTION.**

**A POLLUTANT SENSOR NETWORK TO MEASURE
LOCALLY AND ACT GLOBALLY.**

- A **simple, modular and dynamic** solution.
- Pollutants measured **shoulder-high**.
- A **multi-sensors kit**: NO₂, fine particles, dB.
- **Easy and quick deployment** on current parking meters.



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Pollution and noise in urban areas are a rising concern to the quality of life and health of citizens. Air quality and well-being in these areas are now regarded as crucial factors and represent a major public health issue for local authorities.





A decision-making tool

Park&BREATHE ensures that policy-makers have access to information about the pollution and noise that citizens are exposed to in urban areas. This solution helps to map these nuisances and adapt travel plans and urban planning initiatives accordingly. The reliability of this data provides a relevant and tangible response to environmental concerns, while also paving the way for new citizen services such as prevention, information, etc



An optimised solution integrated on-street

Park&BREATHE is an economical and cost-effective solution. It is based on the use of existing parking hardware to create a network of noise and pollution sensors. Through the integration of multi-sensor kits on existing Strada parking terminals, noise and pollution can now be studied in real time. Flowbird's parking terminals build a unique communication network, acting as the standard resource for data and insights throughout cities.



Measured data management

AA number of different parameters can be measured such as noise, photochemical pollution NO₂ (Nitrogen Dioxide), or even fine particles. Pollutants are measured on a regular basis at ear level and respiratory tracts. The data is sent to the servers via a modem present in each terminal. A secure online platform subsequently provides easy access to the data. The collected raw data is conveyed to policy-makers, or may be accompanied by reports to enable personalized use.

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