

AirAdvanced[®] Sentinel

The essential for operators and air quality experts

AirAdvanced[®] Sentinel is a software solution for monitoring and modelling atmospheric emissions from your facilities into the environment.



Advanced Features

Modular solution to adapt to your needs

- Features tailored to the needs of the site
- Definition of pollutants to be monitored with the site operator
- Target points to be monitored by the sensors
- Context-specific visualisation and reports

Intuitive interface for operators and operational staff

- Easy-to-use web interface designed for operators
- Graphical and interactive analysis of real-time and historical data
- Cartographic modelling of plumes (pollutants and odours)

Real-time tracking

- Automatic reports at defined frequency
- Analysis of results independently for the user
- Automatic, custom alerts in case of important event: threshold exceedances, faulty sensors, etc

✓ Reliable real-time measures

- ✓ Track the evolution of your measurements with time-stamped data history and automated reports
- ✓ Guarantee compliance with regulatory thresholds
- ✓ Facilitate your discussions with local stakeholders thanks to objective indicators and register of received complaints

✓ Modelling of air quality on site and in the surroundings

- ✓ Anticipate potential nuisances using real-time and predictive modelling
- ✓ React faster with custom alerts

✓ Long-term expert support

- ✓ Benefit from a single contact for sensor installation, maintenance and support
- ✓ Get expert help in interpreting data and defining actions to reduce emissions

✓ Security and savings with a SaaS solution

- ✓ Save money with a subscription solution; without IT integration costs
- ✓ Benefit from the high availability of a sovereign cloud, Azure-Paris, and guaranteed software maintenance
- ✓ Benefit from continuous improvements, based on user feedback

A turnkey or customised solution

DIAGNOSIS Audit of the site to identify quantity, type and optimal location of sensors



DEPLOYMENT Installation and configuration of sensors on site

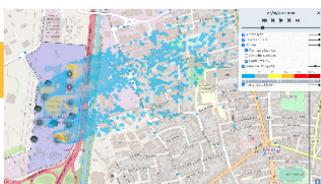
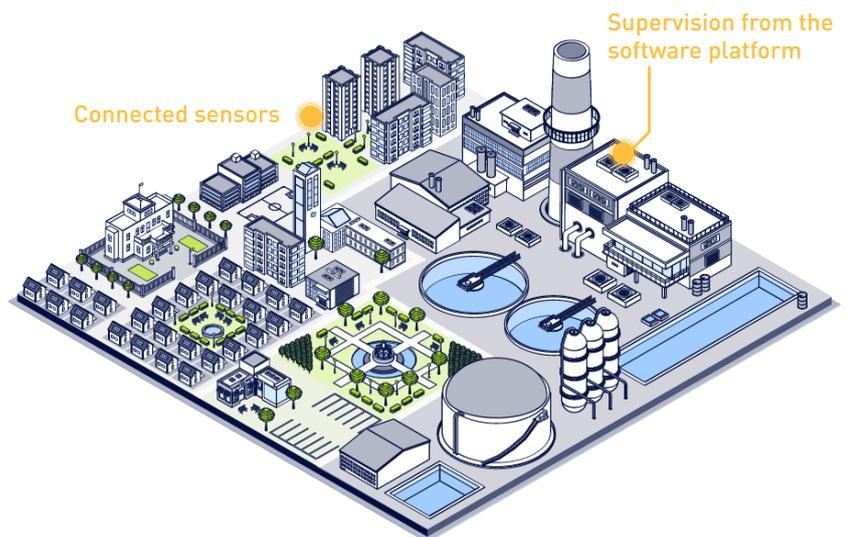
CONFIGURATION Configuration and customisation of the solution

TRAINING Comprehensive training on the tool and the interpretation of the data

TRACKING & SUPPORT Technical support, sensor network maintenance and assistance of experts

AirAdvanced[®] Sentinel, your best ally for monitoring your atmospheric emissions and odour nuisances.

With connected sensors, you can continuously measure pollutants and odour nuisances with software modelling, effectively manage air quality and minimise your environmental impact.



Real-time monitoring of olfactory impacts of a wastewater treatment plant with a population equivalent of 950 000 inhabitants

- ✓ 48 micro-sensors : 34 for monitoring ambient air and 14 for measures at the deodorization inlet and outlet
- ✓ 1 weather station for precise site monitoring
- + real-time analysis of the impact on local residents
- + responsiveness thanks to integrated alerts
- + simulations and proposals to reduce nuisances
- + improvement of the environmental footprint

REFERENCES



Real-time monitoring of air quality and noise in port areas

- ✓ 150 micro-sensors : for monitoring gas emissions, microparticles and noise
- ✓ 1 weather station for precise site monitoring
- + real-time analysis of the impact on local residents
- + responsiveness thanks to integrated alerts
- + decision support to reduce nuisances
- + integration of dashboards into the port authority website

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