



Let's repair the air

We are a single source of truth for air quality data globally.

We Are Airly

Having access to accurate, hype - local data about air pollution is the first step towards understanding its health risks and making improvements.

We deliver a complete solution:

- The largest global network of air quality sensors
- Advanced data science technology and AI-based algorithm for air quality forecasting
- Sensors capable of operating in various weather conditions
- Historical and current air quality data from many countries

MyAirly Map and mobile app

Making air pollution information accessible for all

What makes us different

- A complete solution (software + hardware)
- Best air quality forecast thanks to our AI-based algorithm
- Daily calibration of the data
- Simple and non-invasive way of installation

4000
sensors
installed all
over the world

+600
clients
have installed
our system

1 mln
downloads
of our mobile
apps

2 mln
users
of our online
map monthly

map.airly.org

Our Community

Local Authority & Government

We work with cities and municipalities that want to take effective steps to tackle air pollution and inform inhabitants about current air quality in their area. The Airly system helps locate and analyze direct sources of air pollution, helping local authorities plan the correct anti-pollution policy measures and citizens organize outdoor activities safely.

Smart Cities

The system can then be used in order to increase efficiency, identify and reduce harmful substances and raise awareness of the issues surrounding pollution.

Corporates

Bad air quality negatively affects your employees' health and their ability to work. Installing Airly sensors can give you the hyper-local data you need for CSR campaigns and monitoring their impact, and the knowledge to make improvements to the wellbeing and productivity of your workforce.



According to The World Health Organization 9 out of 10 people are breathing polluted air. WHO estimates that around 7 million people die each year from exposure to diseases that are associated with air pollution as they affect the respiratory and cardiovascular system.

CAQI scale

The CAQI index is an international measurement system used to determine levels of air pollution. It visualizes the pollution level using colors. These are presented on Airly's interactive map and mobile app. If pollution increases, the system informs users through push notifications.



0 – 25
Very Low



25 – 50
Low



50 – 75
Medium



75 – 87,5
High



87,5 – 100
Very high

Based on our research and measurements we have added two additional levels to CAQI scale to capture how bad the air gets in particular regions and periods of year.



100 – 125
Extreme



>125
Airmageddon

How does it work?

Airly's air quality monitoring system raises awareness and gathers information about the nature of pollution in a particular area. This knowledge helps local authorities plan and implement improvements. After the actions are taken, Airly's data science platform is the perfect tool to analyse the impact of the actions taken and draw conclusions.



Data from new, low cost Airly sensor hardware, combined with 3rd party weather and traffic data.
















Calibration and forecasting algorithms to provide better value. Our data is the asset that is being monetised – it unlocks a hugely scalable data ecosystem.

Multiple ways for clients to extract value (data) – all powered by Airly. From APIs for media, apps and developers; open apps for smart cities and communities; and dashboards for enterprise and councils.

What does Airly's system measure, and how?

How do we measure?

Airly sensors measure the concentration of solid particulates in the atmosphere by using the laser scattering method. The measurements are converted to data and sent to the cloud using GSM. Data is then made available through the customer panel and interactive maps on desktop and in mobile applications.

							
Pollutants		Airly PM	Airly PM Helium	Airly PM, NO2, O3	Airly PM, SO2, CO	Airly PM, NO2, NO	Airly PM, H2S
Dust		✓	✓	✓	✓	✓	✓
Dust		✓	✓	✓	✓	✓	✓
Dust		✓	✓	✓	✓	✓	✓
Ozone		×	×	✓	×	×	×
Nitrogen dioxide		×	×	✓	×	✓	×
Nitric oxide		×	×	×	×	✓	×
Carbon monoxide		×	×	×	✓	×	×
Sulphur dioxide		×	×	×	✓	×	×
Hydrogen sulfide		×	×	×	×	×	✓

What do we offer?

MyAirly Map and Airly Mobile app

The MyAirly online map presents air pollution for every internet user via a desktop map and mobile application. MyAirly shows you air quality in your area and alerts you when safe levels have been exceeded.



MyAirly is also available on Apple Watch and Huawei Watch.

Airly API

An easily accessibility and compatible database, which contains current measurements and historical data and integrated data from official reference stations like EEA, DEFRA, Umweltbundesamt, GIOŚ, US EPA.

Airly forecast

An AI-drive air pollution forecast with over 80% accuracy presented hour by hour for the next 24 hour period.

Customer Panel

Our Customer Panel allows you to analyze the state of air pollution in a given area. You can easily download the reports in .csv format and analyze the historical data in a location that interests you.



1

2

Airly sensors

Plug&Play devices, small and easy to install.
Types of sensors:

- 1 Airly PM:
PM1, PM2.5, PM10, temperature, air pressure and humidity.
- 2 Airly PM and Gas:
PM1, PM2.5, PM10 temperature, air pressure and humidity and gases: NO2/NO or NO2/O3 or SO2/CO and H2S.

Tested by

- **AIRLAB** – France - best air quality sensor in 2019 in Microsensors Challenge
- **NILU** (Norwegian Institute for Air Research) in Norway
- **Dept. of Mechanical Engineering at Aristotle University of Thessaloniki** in Greece
- **National Aviation University** in Ukraine
- **Institute of Environmental Engineering Polish Academy of Science** in Poland

