



WHAT'S IN THE AIR YOU BREATHE?

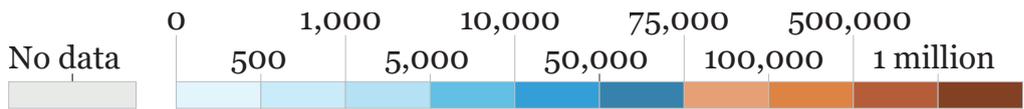
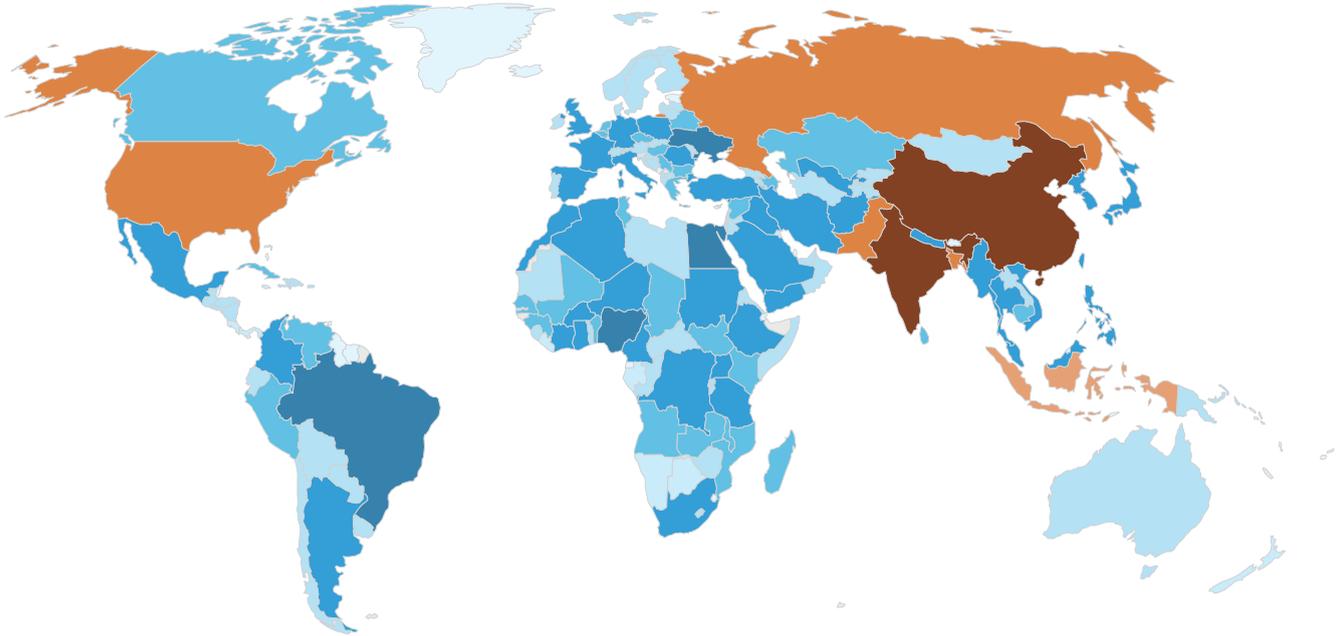


A Polish technology company, Airly, has created the Smart Air Quality Monitoring System, designed as a perfect fit with the concept of a SmartCity. What are the company's goals and main activities? To increase people's awareness about the quality of the air they breathe. During the past two years, Airly has established a cooperation with Poland's largest companies and created a dense sensor network for monitoring air-quality, which includes more than 1600 devices. The entire system consists of a network of air-quality sensors, a software platform, Android and iOS apps, data, and an air pollution forecasting capability. Cooperation, on a long-term basis with both local governments and companies, has resulted in an accumulation of knowledge and experience, allowing Airly to perfect the entire system and hone each of its individual features.

AIR POLLUTION

constitutes a very serious problem in our country. It significantly impacts the quality of human life. According to a report by the European Commission, Europeans breathe very poor quality air, due to which each year die prematurely.

440 THOUSAND PEOPLE



ABSOLUTE NUMBER OF DEATHS FROM OUTDOOR AIR POLLUTION, 2016

Source: Institute of Health Metrics and Evaluation (IHME)

Absolute number of deaths by country attributed to ambient (outdoor) air pollution of particulate matter (PM) and ozone (O₃).

WHAT CAN YOU DO TO IMPROVE AIR QUALITY?



DO NOT BURN WASTE



USE GOOD QUALITY COAL AND FUELS



USE PUBLIC TRANSPORT OR A BICYCLE INSTEAD OF YOUR CAR



MONITOR AIR QUALITY USING THE AIRLY SYSTEM

SMART AIR QUALITY MONITORING SYSTEM



SENSOR NETWORK

We've constructed compact devices to monitor the level of pollution. They measure a number of parameters (including PM1, PM2.5, PM10, temperature, pressure, and humidity) that show the air's quality at a given location, in real time.



AIR QUALITY MAP

At map.airly.eu it is possible to see the quality of the air we breathe. The data presented allow you to verify the air quality at a given location, right now and in the recent past as well.

HOW DOES THE AIRLY SYSTEM WORK?

map.airly.eu



FORECAST

The collection and interpretation of data in real time is not our system's only capability. Advanced algorithms make it possible for our platform to forecast the air quality precisely for the next 24 hours.



REPORTS

Airly's sensors collect and process a substantial amount of information. One example of possible use: based on the network's measurements, monthly reports for communities and cities can be released. These show us where the most polluted locations are in a given city, and this makes it possible for the local authorities to react immediately.

DAILY, WE CARE ABOUT THE QUALITY AND RELIABILITY OF RESULTS COMING FROM OUR DEVICES:

- 1.** We supervise the results. Airly's dedicated specialist team monitors and checks the sensors and data.
- 2.** During nearly a year, we've calibrated our devices against readings from the Regional Environmental Protection Inspectorate in Kraków. This calibration was carried out by us in compliance with the European Commission's guidelines on equivalence research ("Guide to the demonstration of equivalence of ambient air monitoring methods", 2010).
- 3.** We've participated in comparisons with other particulate matter sensors that are also available on the market. The comparisons were carried out by the Chief Inspector of Environmental Protection.



IT WAS IMPORTANT FOR ME TO BE AWARE OF THE QUALITY OF AIR WE BREATHE



Thanks to investing in the Airly system, residents can see on a map whether they can safely spend their time outside. A system of sensors located all over the region allows us to monitor the air quality in real time. At the same time, the data is available for use by staff from other organisations in the community, including those concerned with education. Each day, the school managers could decide if it would be healthy for their students or preschoolers to spend time outside.

I hope that this investment will drive the replacement of old heat sources for new ones and to use good quality fuel, which will help us significantly to reduce the problem of smog.

Franczyszek Dziendziel
HEAD OF THE PAWŁOWICE COMMUNE



The Voivodeship Hospital for Lung Diseases and Rehabilitation, located in the beautiful Jaroszewiec region, is one of the three largest Pulmonology Rehabilitation centres in Poland. A fundamental factor that contributes to the return to health is the quality of our environment.

As part of our overall concern for providing a high-quality service, especially when we witnessed repeating air-pollution alarms for the entire Lesser Poland Region, we purchased Airly's sensors to understand more clearly the kind of air we breathe. It turned out that the hospital is sited in one of the purest locations in Lesser Poland! Thanks to our sensors, we now have full-time monitoring of the airborne particulate matter surrounding the hospital, and the patients can enjoy the values of pure air, infused with the aroma of resin."

Krzysztof Grzesik
DIRECTOR OF THE WSCHPIR HOSPITAL

KROSNO FOCUSES ON INNOVATIONS.

We've decided to invest in the Airly system because it is a good product that works to a high standard and, more importantly, provides residents with information concerning the air quality in real time. We now can monitor the air quality all over the Krosno area.

Piotr Przytocki
PRESIDENT OF KROSNO



THEY'VE TRUSTED US



LET'S BE IN CONTACT

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