

INVESTMENT FACT SHEET

Air quality monitoring system for Katowice

Version 2

Project index number and acronym	CE 1226 AWAIR
Responsible partner (PP name and number)	PP05 UMK, Katowice City Hall
Linked to pilot action (number and title)	O.T2.1
Project website	https://www.interreg-central.eu/Content.Node/AWAIR/AWAIR.html
Delivery date	09.2019

Description and technical characteristics of the investment

The system consists of 127 sensors and 154 screens, dedicated website also in mobile version, administrator panel and implemented PDK module within creating DSS system. The sensors and screens are localized in each district in the city and localized only on public buildings like schools, preschools, nurseries and city hall buildings. The devices are installed in 184 localizations in the city. The 97 location contains both sensor and screen, and the other 87 contains sensor or screen which depends on the distance from other sensor, or number of people visiting building.

The system was developed by an external contractor selected in the tender procedure. The construction of the system started in September 2018 and was completed a year later.

Investment costs (EUR) including a break-down of main cost items

Total cost: 136 839,3 EUR
 Project documentation: 8558,11 EUR
 Sensor delivery, assembly and configuration: 74204,91 EUR
 Screens delivery, assembly and configuration : 24122,86 EUR
 Website and software documentation: 6775,17 EUR
 Data gathering and visualization system: 17615,44 EUR
 Concept for system integration with KISMIA system and services: 5562,77 EUR

Investment location

NUTS 3	Address (Street, house number, postal code, city, country)	GPS coordinates
PL22A Katowicki (City of Katowice)	In attachment no. 1: Assembly list columns: A:F	In attachment no. 1: assembly list, columns: H,I

Duration and process of investment implementation

Start date	End date
28.08.2018	24.09.2019

Major milestones of investment implementation

- Stage 1: Creating concept for the system software and visualization
- Stage 2: Assembly of 20 sensors and 20 screens, creation of basic version of system for gathering data and visualizations, created website
- Stage 3: Assembly of 20 sensors and 20 screens, extension of system
- Stage 4: Assembly of 87 sensors, and 114 screens, extension of system, implementing PDK module
- Stage 5: Creating concept for the integration AWAIR system with KISMIA system and services

Ownership and durability of the investment (e.g. maintenance, financing)

Whole system and website is installed on the servers owned and administrated by City Hall by IT department. The contractor has access to servers only for updates and maintenance services related to the system functionalities without any extra payment. The sensors and screens are in ownership of city hall by Energy Management office. The contractor provides 3 years guarantee for system and installed devices. The guarantee service last up to 24.09.2022. The guarantee service is free of charge.

References to related pilot action (output fact sheet) and relevant deliverables (e.g. pilot action report, studies) and web-links.

If applicable, additional documentation, pictures or images to be provided as annex

Most related deliverables are:

2.2.5 (DSS System) <https://www.interreg-central.eu/Content.Node/AWAIR/O.T.2.4-DSS-UMK-Final.pdf>

2.2.4 (forecasting system) <https://www.interreg-central.eu/Content.Node/AWAIR/O.T2.3-UMK-forecasting-Final.pdf>

2.2.6 assessment of effectiveness for M&A <https://www.interreg-central.eu/Content.Node/AWAIR/KATOWICE-operational-plans.pdf>

2.2.8 (joint pilot action in schools),

3.1.2, 3.1.3 trainings for stakeholders. <https://www.interreg-central.eu/Content.Node/AWAIR/Output-factsheet-OT3.3-Stakeh-UMK-final.pdf>

<https://www.interreg-central.eu/Content.Node/AWAIR/Output-factsheet-OT3.3-Admin-UMK-final.pdf>



