

An air quality management solution for

#exposure reduction of risk groups

#traffic eco-sensitivity

#environmental equity

We deliver the foundation for air quality inspired applications

Accurate hyperlocal data combined with satellite-data downscaling



Sensor Networks

Regulatory grade & well-managed air quality networks for increased spatial and temporal accuracy traceable to accepted standards at scale.

Data Insights

Data Insights for easy integration, combination, contextualization and sharing of air quality data and data-driven insights so that air quality managers, practitioners, modellers, traffic operators, researchers, citizens and journalists get the actionable insights they need.

Partner Ecosystem

A growing ecosystem of harmonized partner solutions to close your traffic, weather, population data gaps so that you can fully enjoy an all-in-one environmental intelligence platform.



Selected Case Studies

Traffic Management

Initial Situation and Problem Statement

The densely populated urban structure and the increasing road traffic present the city administration with the challenge of reducing harmful emissions and sustainably improving air quality without having to resort to drastic and undifferentiated measures, such as general driving bans. This requires a holistic basis of environmental data that has not yet existed.

Citizen Information

Initial Situation and Problem Statement

The mid-sized city does not have any air quality data from its own measurement networks. The city considers the collection of its own air quality data to be part of data-based public welfare and urban planning. In addition, great importance is attached to providing information to the citizens. This is to be taken into account both through group-appropriate prepared data and through citizen events.

Health Management

Initial Situation and Problem Statement

Ambient, outdoor, pollution is a significant contributor to urban asthma and diabetes events and hospitalisations whilst at the same time actually being a manageable problem with the use of better monitoring technology, granular data analysis and intuitive digital tools. The regional authorities wanted to have tools for mitigating the impact of air pollution for the administration and also for at-risk citizens.

Urban Planning

Initial Situation and Problem Statement

The smaller-sized city has an ambitious plan for becoming a „Smart City“, which puts the wellbeing of its citizens and improvements of the quality of life at the centre of all its efforts. Getting a comprehensive insight into the air quality of the city's entire built-up area is a major objective.

Environmental Nudging

Initial Situation and Problem Statement

Traffic is a major contributor to air pollution. The objective was to positively influence traffic behaviour, for example, that of daily commuters, to achieve non-critical emission levels throughout the city and to incentivise driving behaviour to have positive effects on pollution.

Benefits of the Hawa Dawa Solution

- The sustainable basis of environmental data provides the necessary information for optimisation measures for urban transport
- The intuitive web interface for displaying results enables decision-makers to gain deeper insights in a simple way
- In addition, the entire range of possible mobility concepts as well as the effects on neighbouring areas are taken into account

Benefits of the Hawa Dawa Solution

- The importance of easy-to-understand visualisations for the citizens has been brought into our consciousness by this project
- Actual data have replaced broad assumptions
- The development of own measurement data series can be used to improve future data models

Benefits of the Hawa Dawa Solution

- Facilitated understanding of a complex situation
- User-oriented output/interfaces for administration and citizens
- Comprehensive data aggregation considers all relevant interrelations of factors

Benefits of the Hawa Dawa Solution

- A comprehensive basis for fact-based decisions of the city administration
- A data pool that is accessible by all city departments
- A system for better understanding of the implementation of state-of-the-art smart city technologies – from prioritisation to evaluation

Benefits of the Hawa Dawa Solution

- Empowering individuals to actively change their behaviour for reducing their environmental footprint
- Measurable results for communicating and promoting the impact of environmentally friendly behaviour
- Creating an additional pillar for eco-sensitive mobility

More information about the case studies and the implementation on www.hawadawa.com

