

Smart city: monitoring air quality



Business need

Environmental pollution measurements are usually based on a few fixed stations, often spread over large areas. This approach does not allow the identification of pollution peaks in small areas and their sources.



Solution overview

The integration of traditional stations with a distributed system of low-cost detection sensors, useful for widespread monitoring, makes it possible to quickly identify local peaks in pollutants. The sensors are able to process air quality data and send it to a control station, where it is stored and analysed. Local peaks can be reported to the relevant authorities.



Key benefit

- Capillary monitoring and detection
- Low costs
- Easy integration with existing systems

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Target

Government agencies

PA local

Air and pollution monitoring organisations

Large companies with several production sites

Development phase

0. Pre-seed

1. Research

2. MVP Testing

3. Patent request

4. Industrial scale-up

5. Ready for market launch



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Keywords

Air pollution

Detection sensors

Monitoring