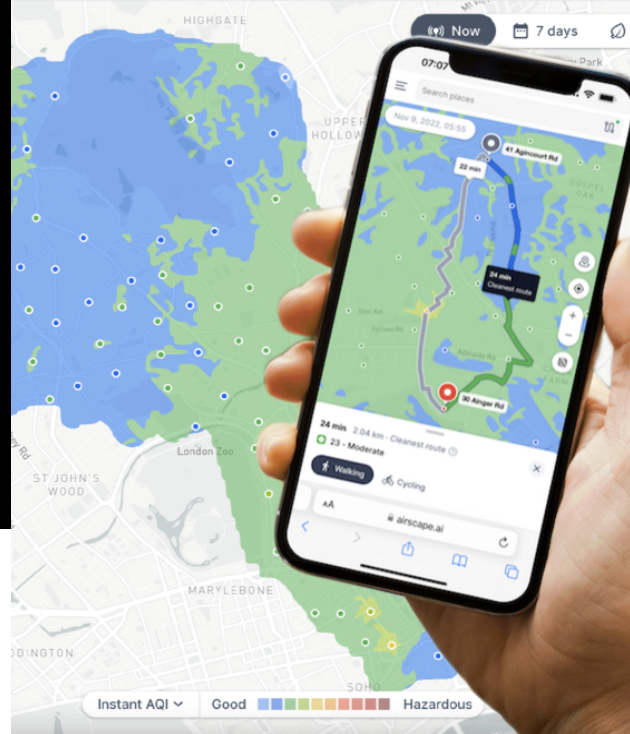




## Case Study

airscape.ai  
London, Camden



## INTRODUCTION

AirScape, in collaboration with Camden Clean Air Initiative and Camden Council, achieved a groundbreaking milestone by installing 229 real-time air quality sensors in Camden. This world-first initiative provided residents with access to street-level air quality data in real time, empowering them to make informed decisions to protect their health and drive policy change.

## METHODOLOGY

AirScape worked closely with the community, Camden Clean Air Initiative, and Camden Council to establish the dense network of sensors. These sensors monitored nitrogen dioxide, particulate matter, and ozone, providing hyper-local air quality data every minute. The active involvement of the community ensured the selection of optimal sensor locations and user-friendly data mapping.

## RESULTS

The installation resulted in 45 times higher spatial resolution and 60 times more frequent updates compared to existing air quality reference stations in Camden. Through the free AirScape platform, residents could easily access the air quality map, enabling them to make informed decisions, protect their health, and advocate for policy change.

## CONCLUSION

AirScape brought about a significant improvement in air quality data accessibility in Camden. It underscored the importance of community involvement and highlighted the transformative potential of real-time air quality sensors. It's success serves as a shining example for other communities and organisations seeking to improve air quality through data-driven initiatives.

## AT A GLANCE

### CHALLENGES

- Community engagement for effective utilisation of air quality data
- Ensuring data accuracy and reliability for informed decision-making
- Addressing long-term maintenance and sustainability of the sensor network

### BENEFITS

- Promoting healthier decision-making for residents' well-being
- Empowering advocacy for policy change with actionable air quality data
- Enhancing public awareness and engagement in addressing air pollution



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