

Building a data-driven application to assess air pollution

Assessing the impact of air quality on city residents



Goal

The research arm of a £50 million centre of excellence in urban innovation wished to quickly establish its capabilities and demonstrate results.

Insight and Action

QuantumBlack kick-started the initiative by embedding a team to be 'the lab' before a set organisation was in place. We delivered at pace and defined and established the technical back end of the lab within three months.

We designed and built the first data-driven application for leadership to demonstrate the value of the programme.

This application collected real-time data from a range of environmental sensors across London, and we deployed proprietary analytics to find unexpected patterns in air pollution.

Results

3 months

Technical architecture prototype and in-house organisation delivered