

BRISTOL CITY COUNCIL

Clean Air Zone Initiative Targets Emissions and Healthier Air

Bristol City Council launched a Clean Air Zone (CAZ) to cut harmful nitrogen dioxide emissions from vehicles, improve local air quality, and create a healthier environment for residents.

The CAZ requires non-compliant vehicles to pay a daily charge when entering designated areas, with all proceeds reinvested into sustainable transport and infrastructure improvements. To ensure the programme's success, the council partnered with Intelliscope to deploy 49 ROADflow Fusion

cameras across the city. These advanced systems provide reliable, automated monitoring and enforcement, helping Bristol achieve its clean air goals while supporting long-term transport innovation.

CHALLENGES

- Reducing nitrogen dioxide emissions from older, high-polluting vehicles.
- Ensuring consistent monitoring and enforcement of CAZ restrictions.
- Delivering a flexible, future-ready solution that can adapt to evolving requirements.



RESULTS



Automatic Number Plate Recognition (ANPR)

Identifies vehicles in real time, cross-referencing with emissions data.



Versatility

Operation in all conditions, ensuring reliable identification and enforcement.



Third-Party Integration

Easy connection to payment providers and Penalty Charge Notice processors, allowing for seamless enforcement and payment collection.



"The Clean Air Zone will not only reduce air pollution but also help people change how they travel, delivering a cleaner, greener and healthier city for years to come."

- David Bunting, Bristol City Council

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