nowwireless®

Introducing Smart Cycle Loop AI for seamless traffic management

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NOW Wireless uses cutting edge technology to cost-effectively count cycles, help you keep traffic moving, meet pollution targets, prioritise specific vehicles and make roads safer.

The key to everything we do is a unique artificial intelligence (AI) that means full control of traffic flows and detailed, anonymised real-time data.

How our unique cycle counting system works

The cameras 'see' what is coming and activate a pulse in the D8.8 loop to trigger the traffic sign, which then counts the passing vehicle. The module that contains the AI can be programmed to turn the lights green for even a single cyclist on approach, giving them a seamless journey. It can also be used to prioritise a bus before it gets there.

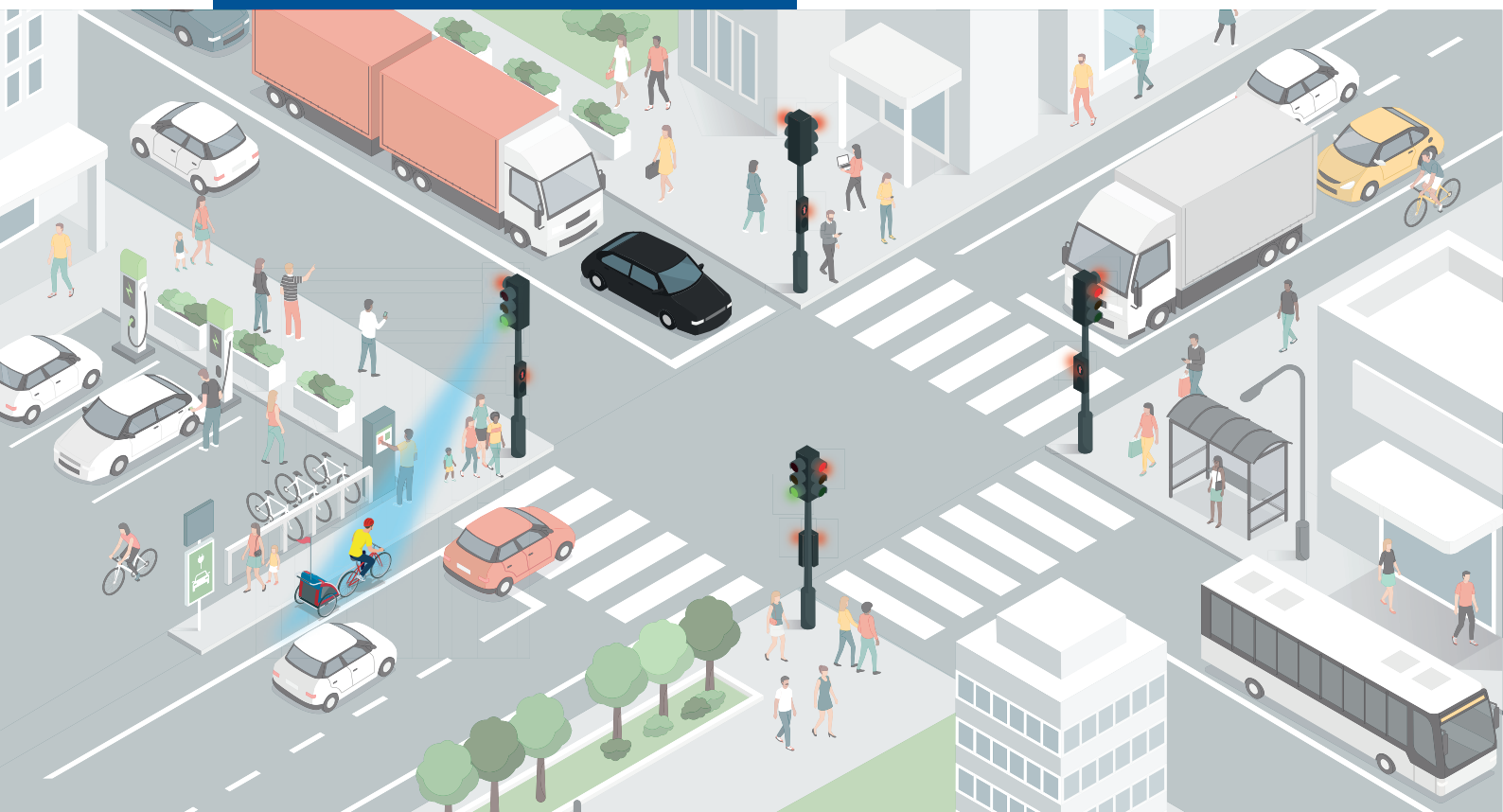
Saving you resources and money

We connect CCTV with our AI to 'see' and count cycles passing fixed points. The information gathered can then be fed into integrated software systems to trigger real-time change to traffic light sequencing.

The AI works by creating a unique 'virtual loop' at the traffic lights. This is done through a module and the CCTV cameras fixed simply onto the signal pole.

Installing our cycle count technology, with the option to prioritise vehicles by type, involves a fraction of the cost and challenges associated with placing conventional detectors, or digging sensor loops into the road surface. There are no time-consuming road works or disruptions to traffic.

A NOW Wireless cycle counting system and 'virtual loop' package ***costs less than 10 per cent*** *of the budget typically needed for traditional loops at traffic lights.*



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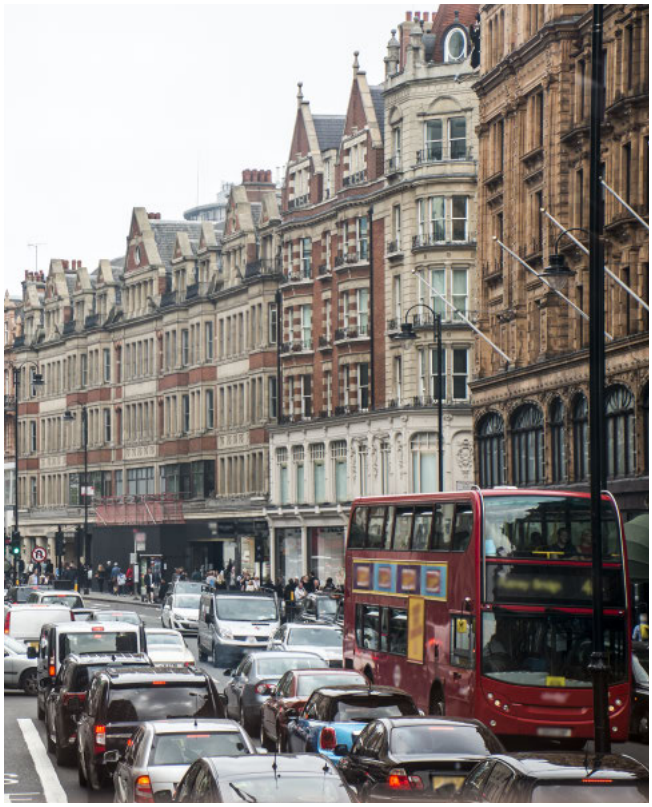

Do more with one solution

Our devices integrate. We have a family of 'smart city' products built around the proprietary AI, including pedestrian counters and pollution monitors. They will all work with legacy systems if required.

The NOW Wireless AI uses the information that flows through it to create an ever-expanding database of 'learned knowledge'. This can even predict congestion up to an hour ahead. A central systems computer then changes digital direction signage and lights as required to manage traffic flows.

NOW Wireless gives you ground-breaking control over how vehicles move, which ones do, and when.

The tailored packages we put together mean not just information and solutions, but financial savings to the local authority and the economy it supports.

CITY OF WOLVERHAMPTON COUNCIL

Case Study

NOW Wireless worked with the City of Wolverhampton Council to transform its traffic management with a CCTV upgrade, changing an analogue legacy system with limited functions into a fully flexible digital one. The challenge was not just to improve more than 150 cameras and what they deliver, but also to offer potential integration into systems run by police and other services.

The system we installed has allowed for detailed analytics, helping to inform decisions with better data. It also includes 'on camera use' by partner organisations to be integrated into the mesh network we put in place.

We have similar projects all over the UK, working with local authorities to meet their traffic needs and budgets.

For more information about how NOW Wireless can meet your traffic management needs please call **01883 621 100.**

NOW Wireless 'virtual loop' technology means:

Prioritising vehicles by type to encourage greener options or make junctions safer.

Full integration into 'smart city' programmes increasingly required to control and divert traffic.

Anonymised data on road use, including pedestrian counting, to inform policy decisions.

Significant financial savings, leaving more money to be spent elsewhere instead of creating traditional loops at traffic lights.

Working with a UK company with four decades of experience and a track record for providing advanced, cost-effective software packages to 43 local authorities.

Getting the best from Bluetooth technology, including data gathering from passing Bluetooth-enabled devices but without identifying individuals.

nowwireless®

Manufacturer and Supplier
of advanced AI City Solutions

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