

Cardiff Intelligent Transport Systems Strategy Summary

Modernising Cardiff's Intelligent Transport Systems, known as ITS, can help you:

Plan journeys with ease across multiple modes



Avoid congestion and pollution hotspots



Access richer public transport Real Time Information



Enjoy a safe and vibrant City centre



Live in a healthier environment



Walk and cycle more safely



To deliver the benefits described below Cardiff Council has developed a **Draft ITS Strategy**



Plan journeys with ease across multiple modes

...
by putting information directly into your hands to help you optimise your decisions about routes, disruption accessibility, health and CO2 emissions.
More...

...by restricting access dynamically to traffic in leisure areas and improving your access to dynamic parking availability data.
More...

Enjoy a safe and vibrant City centre

Avoid congestion and pollution troublespots

...by shifting traffic away dynamically from congestion and pollution troublespots.
More...

...by restricting access by polluting vehicles.
More...

Live in a healthier environment

Access richer public transport Real Time Information

...by improving real time information and bus priority systems.
More...

...by shifting traffic away from safe and pleasant cycling and walking routes and improving pedestrian and cyclist traffic light priority.
More...

Walk and cycle more safely



The ITS Strategy sets out our vision to 2030 and beyond.

The Strategy will be key in realising the targets set out in the One Planet Cardiff and the Transport White Paper.

How ITS can improve our transport

Here are just a few examples of the many ways that ITS can help you...



Sensors on bus, combined with third party data and roadside technologies provide accurate journey times

ITS puts decisions into your hands for seamless travel

"Your bus is 15 minutes late so we have booked you on to the next train journey. You should arrive at your destination at 3pm"

You arrive at your destination without having to rearrange tickets or change your travel plans



ITS enables rapid interventions

In 2019 there were 5,808 casualties resulting from road accidents in Wales, 565 of these casualties were in the Cardiff area. Whilst the long-term trend shows a reduction in the number of casualties, there is still room for improvement.

Enforcement technologies already save lives



ITS data can be used to spot potential issues which may impact on health



The private sector can use these data to improve transport costs, access and accessibility



These measures can create a more inclusive city



ITS improves your air quality

Air quality sensors are placed strategically around the city



Traffic signals are automatically changed based on air quality levels



Traffic flows better through the city, which improves people's lives and reduces respiratory conditions

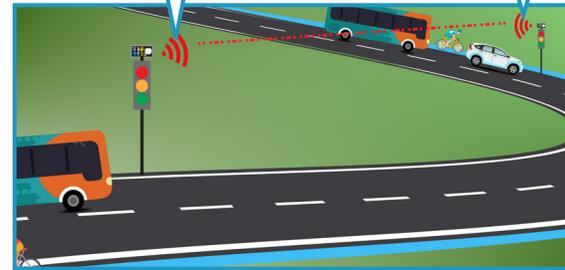


ITS increases your bus reliability

Enhanced sensors connected to vehicle detection loops detect a bus approaching a set of traffic signals



The detected bus is given traffic light priority setting the signals to green to enable the bus to continue on its route



Bus priority is shared across the traffic signals network to ensure as many buses as possible can be given priority

Clean Air Public Health Wales estimate that air pollution contributes to 1,400 deaths a year in Wales. Whilst policies and directives have improved air quality in recent years, air pollution still remains a threat and, potentially, a legal liability.

ITS can help us deliver a Capital City for all

Improved ITS can help:

- Make your journey to work easier
- Provide a more balanced range of journey options
- Make travelling around our city easier, especially for people who are often the least mobile in our society
- Make sure that everywhere in our city is open and accessible to everyone.

- Road traffic in Cardiff is the main cause of air pollution in our City
- Adverse health effects of air pollution are well documented.

- It is vital we all play our part in addressing climate change. In Cardiff, 81.2% of people who took part in the Ask Cardiff Survey said they were either “very” or “fairly concerned” about climate change.
- Of 100,000 people commuting into Cardiff each day 80,000 do so by car. It is easy to see why transport is consistently the most important issue for Cardiff residents

Have your say

You have the opportunity to tell us what you think via our public consultation

A Cardiff Council Publication
This document is available in Welsh /
Mae'r ddogfen hon ar gael yn Gymraeg
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