

Connected Intelligent Transport Systems

Project Title

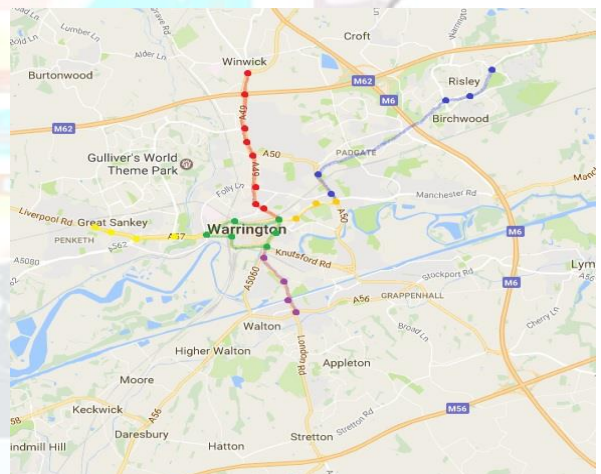
Warrington Integrated Transport System (WITS)

Project Overview

Warrington Borough Council (WBC) aims to create a Smart Travel City to support our economic growth ambitions, reduce delays and improve air quality. We aim to combine real-time journey time information and smart technology to develop network strategies to allow us to manage traffic more proactively. The developing system will also provide real-time information to businesses and the general public via on-street information displays, interactive webpages, social media and an innovative local mobile phone application for drivers.

Objectives

- Communication between drivers and Warrington's Urban Traffic Management and Control system (UTMC)
- Effective Network Management
- Capture real time journey information
- Implement 'coping' strategies in real time
- Inform users using on street Variable Message signs (VMS)
- Development of mobile application



Milestones

- Base-map data used as the benchmark for the scheme
- Wi-Fi selected to capture data
- Key strategic corridors identified
- Detection locations identified
- Common database upgrade to Stratos
- Wi-Fi versus Bluetooth evaluation
- Stratos journey time monitoring interface development
- Mobile application development including desktop version





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Progress to date

- Stratos common database implemented
- 80% of Wi-Fi detectors installed
- Stratos JTM interface undergoing testing
- Mobile application developer appointed and in progress
- Base-map data collection complete
- Bluetooth units for validation procured and awaiting installation



Deliverables

- 100% Wi-Fi deployment December 2017
- Stratos JTM interface November 2017
- Mobile application 'go live' December 2017
- Bluetooth evaluation versus Wi-Fi January 2018
- Strategy development January 2018

Partners

SIEMENS



IDT

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Contact

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