Connected Intelligent Transport Systems

Research Project Update

EBORACVM

signalling the future of roads

Project Title

York 'Eboracum' Co-operative ITS Project

Project Overview

Data from vehicles is becoming more and more available but to date has not been used for signal control to improve junction performance.

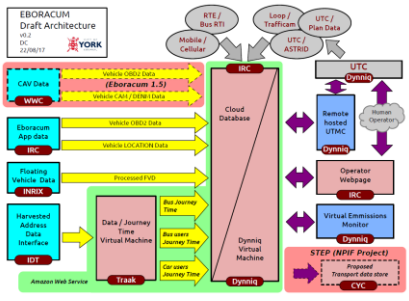
Eboracum aims to improve junctions on the A59 corridor in York in line with local policy objectives using vehicle data instead of fixed roadside technology.

Objectives

- Using commercial FVD data to improve signal performance
- Understanding how to practically migrate from fixed infrastructure to connected vehicles
- Exploring Wi-Fi, 5g and G5 radio performance in semi rural areas
- Linking to vehicles by OBD2 to identify vehicle performance
- Collecting data to help plan the future of York's transport
- Examining the evolution path for a typical UK Local Authority

Milestones

- Architecture design complete
- Data flow September 2017
- All roadside equipment in place October 2017
- Tests of SCOOT as a baseline December 2017
- New algorithm tests 2018



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Progress to date

- INRIX Floating Vehicle Data (FVD) feed in place
- 90% of IDT roadside units installed
- Amazon Cloud storage procured
- Detailed algorithms design continues by Dynniq
- Extension for 5g and G5 being completed
- Measures of success detailed
- INRIX Roadside Analytics used for before and after

Deliverables

- Architecture design complete
- Data flow September 2017
- All roadside equipment in place October 2017
- Tests of SCOOT as a baseline December 2017
- New algorithm tests 2018

Partners

CITY OF YORK COUNCIL

dynniq

IDT
Integrated Design Techniques Limited

INRIX

traak™

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