
Co-operative Intelligent Transport Systems

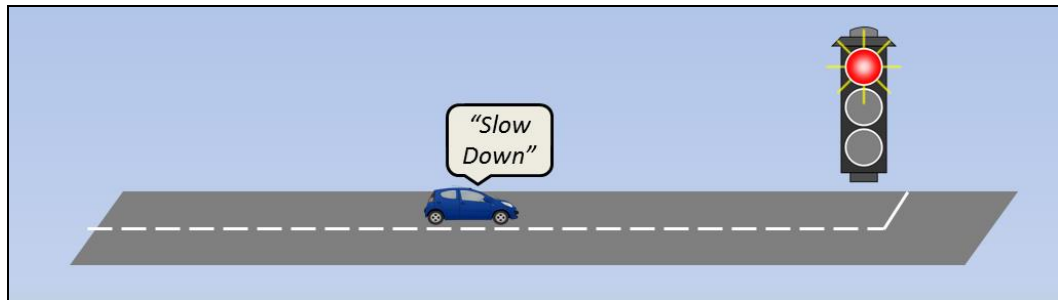
Deployment Project Update

WM GLOSA

Project Title **West Midlands Green Light Optimal Speed Advisory**

Project Overview Green Light Optimal Speed Advisory (GLOSA) systems provide drivers with speed advice that allows them to pass traffic lights during the green phase. Where this is not possible, a Time to Green (TTG) function provides a countdown for stopped vehicles, showing when the traffic lights will turn green.

The project will test GLOSA using freight vehicles, as they stand to gain the most from reduced stop-start, particularly in terms of fuel use.



- Objectives**
- Implementing GLOSA in an adaptive control (MOVA, SCOOT and Signal Based bus priority) environment
 - Exploring 3g/4g and Wi-Fi-based communications
 - Development of web services from the UTC centre
 - Development of a prototype app to deliver the GLOSA messages to the vehicle
 - Testing the app using freight vehicles on council maintenance duties
 - Developing open source algorithms for future use

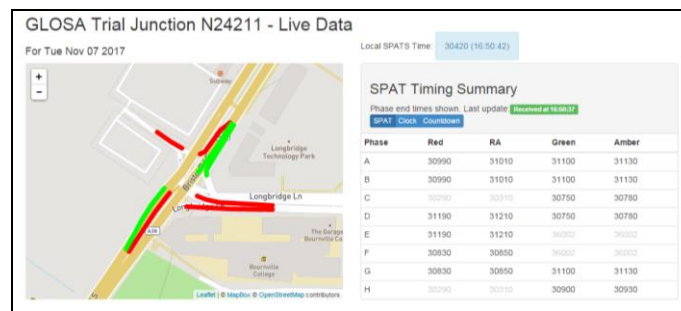
- Milestones**
- Architecture design complete
 - Test web site available
 - App and web service to be complete by Jan 2018
 - Trials Jan/Feb 2018
 - Results March 2018
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Progress to date

- Test site operational
- Agreement on relevant standards to be applied (SPAT / MAP / GLOSA)
- App development progressing
- SCOOT issues resolved – MOVA and bus priority in progress



Deliverables

- Upgrade of 10 junctions on Coventry Road
- System Architecture Report
- Testing Plan
- Source Code
- Monitoring and Evaluation Report

Partners



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