

Co-operative Intelligent Transport Systems Project Update

Project Title

Connecting Peterborough

Project Overview

The project will aim to utilise newly emerging digital technology to provide real time, two-way, journey information directly to visually impaired users, allowing easier access around Peterborough City Centre.

The project aims to provide staff and visitors to the new RNIB head office in the city centre safe, accessible routes from the main transport hubs (Rail and Bus Stations).

Objectives

- Create VR simulation of main walking routes in City centre
 - Simulate eye conditions
 - Simulate existing technology solutions
 - Model emerging solutions
 - Test holistic model with participants and benefits
 - Deploy in environment
 - Ultimate aim of the project is to improve accessibility for blind and partially sighted people in Peterborough city centre.
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Milestones

- Stakeholder engagement and environmental audit.
- Phase 1: Building the VR simulation
- Refine simulations
- Phase 2: Deploy solutions in the environment and refine simulations
- Evaluate the real world technologies to confirm the benefit of pedestrian wayfinding.

Progress to date

- Stakeholder engagement and consultation complete.
- Environmental audit was carried out in Sept 2017
- Main routes identified and scanned using Lidar
- Phase 1, building of VR simulation is in progress.

Deliverables

- Create VR model in order to simulate various technologies
- Deploy technologies in the physical environment
- Share the model with others to create a rapid prototyping sandbox

Partners



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