

## Halton installs UK's first fully integrated HD IP CCTV and Wi-Fi



### Highlights

- 21<sup>st</sup> Century were asked to install HD IP CCTV and Passenger Wi-Fi across Halton's entire fleet of 77 vehicles
- Believed to be the first fleet-wide implementation in the UK
- The new Wi-Fi has quickly become popular amongst passengers

### Customer requirements

Halton Borough Transport were looking to implement passenger Wi-Fi to enhance their passenger experience, whilst at the same time upgrade the CCTV systems throughout their fleet to the latest High Definition IP CCTV.

The system had to form a base for the future, enabling Halton to put in place additional systems when and if they felt they were required

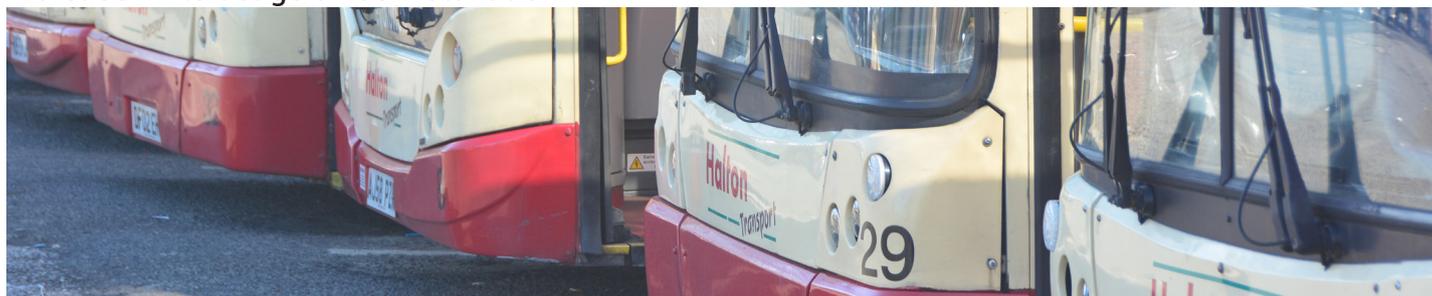
### Solution and technology

As members of ITxPT (Information Technology for Public Transport), an initiative to make all systems on Europe's buses work across a single Ethernet-based backbone to allow plug-and-play connectivity; 21<sup>st</sup> Century were perfectly placed to provide a fully integrated IP CCTV and passenger Wi-Fi system.

Based on the Fältcom MiiPs platform, the High Definition CCTV allows live review and remote download capability over the cellular network. IP cameras have a wider field of vision than standard analogue cameras, meaning that an operator can install less cameras per vehicle than previously. The HD quality and zoom function also means that every detail is captured and can be easily analysed on play back.

The CCTV Digital Video Recorder (DVR) also records to Solid State Drives (SSD), a medium more suited to the rigours placed on a mobile recording system.

The passenger Wi-Fi, based on robust and proven technology, allows Halton to monitor customer usage and gives them control over which content can be viewed whilst passengers are onboard. The utility has already proved popular amongst passengers, which has seen a month-on-month increase in its usage since installation.



*"We now have a state of the art CCTV and Wi-Fi system fitted to all our buses. The system has already proved invaluable both for our own use and to help authorities like the Police. The platform also allows for expansion into next stop, driver first use check and lots more going forward."*

Colin Stafford  
Managing Director  
Halton Borough Transport