



Case Study



Transport For Greater Manchester

Transport for Greater Manchester is the body responsible for public transport services throughout Greater Manchester. It owns Greater Manchester's bus stations, funds essential bus and train services and owns the successful Metrolink tram network.

When TFGM began planning upgrades to the bus and tram infrastructure the requirement for a flexible public address system for stations, interchanges and platforms was identified.

The Challenge

With Cisco's IP Telephony and BBV's Omnivision CCTV surveillance software already deployed. TFGM required a network based public address solution capable of providing audio announcements at locations throughout the transport network.

The primary requirement was collaboration between existing telephony and CCTV monitoring stations. Operators needed the ability to make live announcements to individual platforms, stations or network wide broadcasts from telephone handsets or monitoring consoles.

Summary

Needs:

- IP Public Address System
- The Ability To Make Live Announcements To Individual Platforms From Existing Telephone System And CCTV Platform

Products:

- Netgenium IP Speakers
- Netgenium IP Audio Induction Loop
- PolicyServer

Result:

- Flexible Audio PA System Easily Accessible From Any Authorised Telephone Handset Or Operator Console



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The Solution

Netgenium's projector speakers and audio induction loops provide the hardware portion of this solution. However PolicyServer's flexibility is the key to the integration with the CCTV and telephony systems.

PolicyServer's existing integration with Cisco's Call Manager was fundamental to the project's success. Additional development work was required in partnership with BBV to provide the CCTV operators access to the system via their Omnivision console GUI.

The final solution sees multiple audio channels existing between PolicyServer and the Call Manager cluster.

Each channel provides a dedicated audio session between the telephony system or CCTV consoles and the Netgenium Audio devices.

Audio zones are configured on PolicyServer to represent individual or multiple platforms at a station.

Each zone is allocated a directory number on the telephone system and access to the zone can be restricted to authorised handsets on Call Manager.

CCTV operators can make announcements to zones from their console at the click of a button.

About Netgenium

Netgenium are a manufacturer of Power Over Ethernet (PoE) products and solutions.

We continue to develop a range of IP products using IP and the LAN to control many elements of your building including: security, access, door intercom and lighting.