Transport For Greater Manchester
Deploy City Wide Unified
Audio and Security

M Transport for
Greater Manchester

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 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

IP Public Address System

The Ability To Make Live Announcements To Individual Platforms From Existing Telephone System And CCTV Platform

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.

The final solution see's multiple audio channels exiting 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.

Cycle Hubs

With PolicyServer already deployed and Cycle Hubs to secure, providing and integrating physical access control into the solution was a simple task.

The IP Lock Controllers sits on the same physical infrastructure and operate seamlessly with the CCTV consoles and telephony handsets.

PolicyServer provides access control management and
integration with TFGM's existing card management system.

About

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.

Netgenium

IP Devices
Access, Security, Audio & Lighting Control

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