

Audio Visual case study

Fujitsu Services installation project



Strength in information technology

Reflex Limited was recently awarded a contract to complete the installation of a brand new, state of the art Demonstration Room for Fujitsu Services. The room would be used for a number of different purposes and in a number of different layouts, to include seminars, conferences, meetings and demonstrations or even to meet training requirements.

We designed a comprehensive solution allowing a wide range of connectivity and flexibility whilst still being as simple to use as possible. Our solution not only met the immediate requirements for the facility, but also provided the capability to add new technologies as they developed. It was also important that the system met every possible application that may arise without being too complicated as there would be a large number of employees from Fujitsu, as well as a large number of external personnel using the system.

The perfect picture

Due to the room size and layout, every emphasis had to be placed on keeping the depth of the media wall as small as possible, whilst still achieving the necessary 72" diagonal image size from a distance of approximately 800mm.

Matched with a powerful NEC Projector, the DNP Black Bead Screen was the ideal display for an application, requiring a screen that effectively battles ambient light and delivers a smooth, uniform image and excellent viewing angles – both horizontally and vertically.

We worked closely with the contracted electricians to ensure that the correct lighting controller was specified at the beginning of the project and decided to use a multi-purpose Dynalite Lighting Controller, for flexibility and reliability, allowing the presenter full control over the lighting channels.

Quality sound

We had to achieve two objectives regarding the audio; a high quality surround sound system to be used for all system audio within the room and voice re-enforcement set-up with remote microphones.

We installed a surround sound system that supported the resident PCs and all video sources, providing a high quality, powerful signal and aesthetically complimenting the room's stylish image.

Coupled with this was the voice re-enforcement system which could be used from either the lectern position or remotely and ensured there were no feedback problems. An AMX volume box was also included to allow all system and voice audio levels to be controlled from the Modero Panel.

Interactive functionality

To give the user ultimate flexibility, we installed a wireless AMX system comprising a 15" Modero Panel and the new G4 Computer Control Software. This provided full remote control from anywhere in the room and crucially enabled the presenter to preview any selected source before patching it through to the selected display.

Equipment integration

Some existing equipment needed to be integrated into the new system, including a number of flat screen TFT monitors and two 42" Fujitsu Plasma's. It was again important that the image quality on the LCD Panel and overhead projector was the highest possible standard. In order to facilitate the low resolution, data only capabilities of the existing TFT monitors, we scaled the VCR and DVD signals to a high resolution data signal. This ensured that the TFT monitors could display all the available sources and that the video image on the digital display devices would be of the highest possible standard.

Summary

Tight timescales and exacting requirements provided an interesting and stimulating challenge.

It was successfully completed within the agreed timescales and everyone concerned was extremely happy with the end result. Much of this was due to good communication throughout the project, however it was also critical that the correct hardware was specified up front.