

Case Study

NESTLE UK



AV INTEGRATION INTO CAFETERIA



Project Overview

At their Tutbury Plant, Nestle has a large cafeteria and employee rest area which was often used for gatherings and presentations. The requirement was to install a general display screen for daily information and media as well as a large format presentation screen and high quality sound system for presentations and lectures.

The main components required local control but the main control elements would be in a second upper room.



LOCATION

Tutbury, Staffordshire



DATE

February 2014



PHOENIX STATUS

Accredited Supplier & Integrator



NET VALUE

£ 19,222



MAIN EQUIPMENT

- NEC PA500U Projector . 3m Electric Screen . Extron SI-28 Wall Speakers
- JBL Control 65P/T Pendant Speakers . Extron TLP710 Control Panel . Extron IPL250
- Extron XPA 2002 + XPA 2001 (x2) . Extron DMP 64 Matrix Processor . Extron WPC220
- Sennheiser EW112 G3 Radio Microphone

We may be small, but we make a big impact

Overview

The available space within the cafeteria restaurant makes it an ideal location to have large gatherings of employees for presentations and meetings. Although there was already in place a small LED TV screen used for media and news information, they required a larger visual and audio presentation system.

Main Restaurant Area

A bright NEC projector (main image) was ceiling mounted and faced the large wall on which the LED TV was situated. The 3m wide electric screen was installed such that it dropped in-front of the T screen when required.

AV connection points were mounted on the opposite side of the room, what would be in effect the back of any presentation to allow for laptops to be connected and controlled by an assistant.

For the audio, a pair of forward facing Extron SI-28 speakers were wall mounted either side of the main screen. However, the ceiling was a feature made up of open pipes-ways, columns and trays which would have created an acoustic problem by deadening all the sound.

This was overcome by the addition of 8 x JBL Pendant Speakers (image below) which were suspended from the ceiling and allowed for excellent audio throughout the whole area.

Control Rack

The main control elements were primarily Extron based and contained in a server rack on the floor above. This meant having to ensure that the users could control all the systems requirements from the main floor area which was done using an Extron TLP710 Control Panel and IPL250 MediaLink Controller.

An Extron DMP64 Matrix Processor was also installed along with 1 x XPA 2002 and 2 x XPA2001 amplifiers. Due to the cable lengths, we also utilised Extron DTP HDMI 230 Rx / Tx extenders.

Finally, for the speaker, a Sennheiser EW112 G3-GB Radio Microphone system was provided which again, worked well within the environment.



Improving basic ideas and concepts

