

# Case Study

LIVERPOOL JOHN MOORES UNIVERSITY



## 3D LECTURE THEATRE



(Theatre 1: Room 5.01 LJMU Avril Roberts)

## Project Overview

Lecture Theatre 1 (Room 5.01) was one of the Avril Roberts Theatres within the overall refurbishment project for the university. Based on a semi-circular tiered layout, the room was to be equipped with a projection system, podium, visualiser and control solution.



### LOCATION

Liverpool



### DATE

September - March 2011 - 2012



### PHOENIX STATUS

Accredited Supplier & Integrator



### NET VALUE

£ 25,867

*Part of larger £ 250,000 + refurbishment project*



### MAIN EQUIPMENT

- Eike EIPD450 . 3m Fastfold Screen . Sahara CleverPad 3 . Wolfvision VZ3 . Dalen Voyager
- Extron Systems: IN1508 / XPA2004 / IPCP505 / TLPVM / DMP64 / TLP710 /
- Sennheiser EW153G3 & EW112G3 Hand & Tie Mic . Mask 8 Speakers

*We may be small, but we make a big impact*

## Background

There were a number of large lecture theatres being installed during the refurbishment programme. Phoenix AV also identified that the university provided training and lectures for the medical fraternity and demonstrated a 3D holographic cadaver software programme in conjunction with Gaia Technologies.

Although not identified in this budget, it was understood there was merit in future 3D projection possibilities and under the steerage of Phoenix AV, it was decided that Lecture Theatre 1 would become a 3D theatre.

## Main Installation

An Eike EIPD450 projection system was ceiling mounted in the central position and projecting onto a 3m wide Fastfold screen. The 4,500 ANSI Lumen projector was 3D capable with inputs up to UXGA and WSXGA+.

2 glass marker boards were installed either side of the main projection screen to both fit in with the overall aesthetic look as well as provide the lecture with a write on board capability.

A Dalen Top-Tec Voyager podium lectern was used into which was housed the various Extron audio, control and switching systems along with the Blu-Ray player and university supplied computer. The cables were also housed in an extension umbilical cord allowing the podium to be moved and positioned from the side location next to the screens to a more central location.

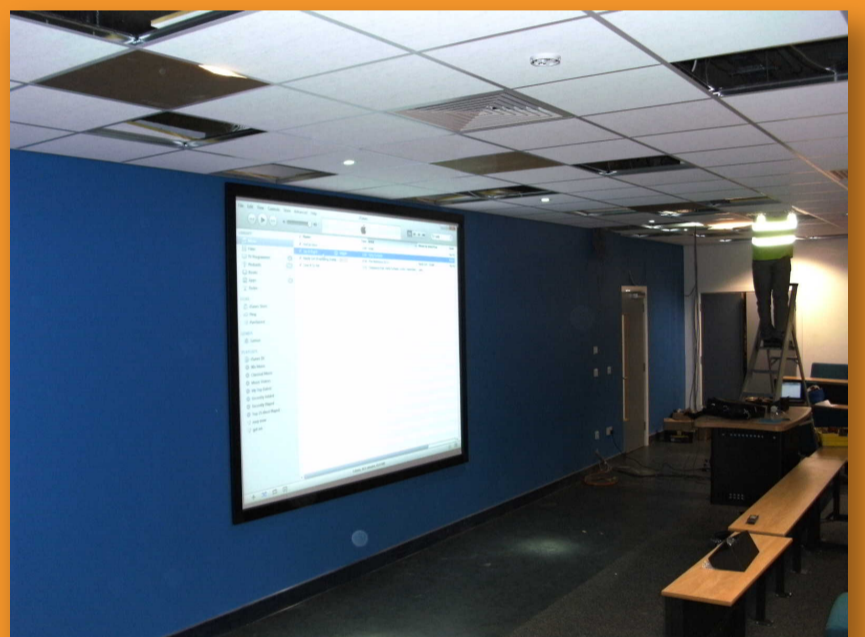
On-top of the lectern was a 22" Monitor and an angled control panel along with a Wolfvision VZ3 visualiser system, an upgrade to the Lumens DC158 Document Cameras used in most of the lecture rooms.

The speaker system consisted of a series of in-ceiling speakers with a wireless tie and hand-held microphones giving the lecturer the freedom to move around.

The projection system means that the lecture room can not only be used for standard presentations, but can also be used for 3D interactive and immersive presentations.

The students would require active 3D glasses but the effect of seeing a 3d image in the centre of the stage area is quite amazing and an excellent teaching tool.

*(Images are of the theatre during and after build phase)*



## Improving basic ideas and concepts

