

NAME: ST PAUL'S CATHOLIC SCHOOL, LEICESTER
COMPLETION DATE: 2014
PROJECT TIME FRAME: 1 WEEK PERIOD
NUMBER OF SITES: 1
VALUE: £61K



St Paul's performs with UK's first school LED video wall

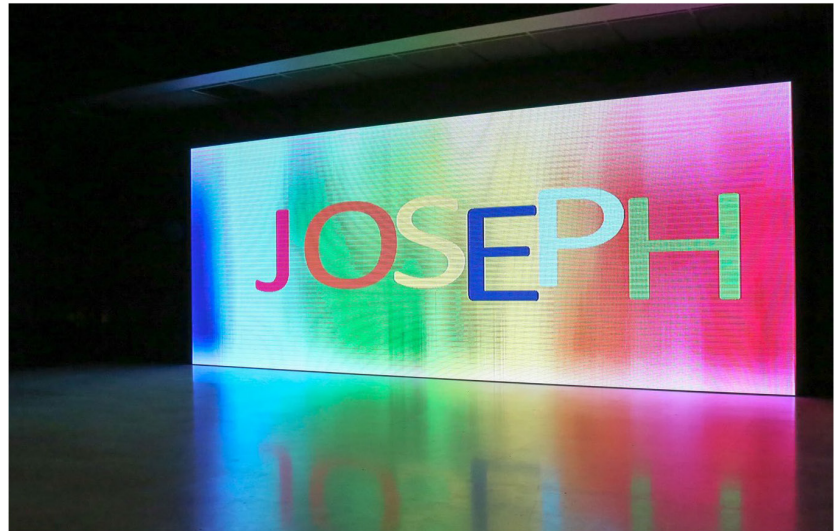
Dynamic display solution creating beautifully impactful backdrops

THE BRIEF

St Paul's Catholic School is a mixed comprehensive school for students aged 11-18.

As a result of Leicester's Building Schools for the Future funding, the school benefited from a new building housing a learning resource centre, dedicated Sixth Form provision, a new science faculty and a new drama theatre space.

St Paul's wanted a dynamic display solution in the theatre space that would enable them to easily create impactful backdrops for their performances and assemblies.



St Paul's LED video wall - The 14.16 m² screen in the new theatre areas is used for assemblies, dance, theatre and school showcases.

FEATURES

Believed to be the first of its kind within an education establishment in the UK, St Paul's 6.1m x 2.3m LED video wall was supplied by MessageMaker for CDEC. The 14.16 m² screen is made up of internally bright full colour LEDs, has a 1024 x 384 resolution and is housed by a frame and black bezel.

Playback compatibility includes: Full HD camera feed / DVI / AVI / HDMI SD, SDI, S-Video, CVBS, YPrPb scaled playback and BluRAY / DVD playback with a seamless, high brightness option and adjustable brightness up to 1500NIT, the screen is bright enough to compete in a fully lit environment with stage spotlights landing directly on it.

A 16 bit video scaler puts content on screen, easily controlled from the tech desk in the theatre.



St Paul's Technician easily controls all the action from above.



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NAME: CITY COUNCIL BSF, VIA CAPITA.
COMPLETION DATE: 2014
PROJECT TIME FRAME: 12 WEEK PERIOD
NUMBER OF SITES: 13
VALUE: £2.5M



BENEFITS

The LED video wall is easy to control and load content. This ease of use enables students to instantly create a background for their performing arts sessions, including moving graphics and videos in addition to still images or ambient colour changes. It also has capability for backdrops similar to those used on the 'X Factor' to give the school's performances that added edge.

Due to the flexibility of LED displays, we were able to create a very specific size and ratio which matched the dimensions of the stage.

In addition to drama productions, the screen and theatre space is used for assemblies and parental meetings.

The video wall benefits from substantial decrease in running costs in comparison to traditional projectors. In terms of energy use, the wall's total consumption is as low as 400kwh, compared to the likes of 2 x 2300 kwh bulbs in a projector.

The LED's used in the wall have a typical test life to half brightness of 100,000 hours plus (11.4 years) continually on, in comparison to a 2500 hour projector bulb life.

The video wall has a projected life span of 20 years and was designed to perform on a no / very minimal maintenance basis. Due to the lifespan of the bulbs there should be no maintenance required other than it will simply need to be cleaned / dusted occasionally to remove surface dust from the LEDs.

"The video wall creates a tremendous impression for students, audience members and visitors to the school. Its size and the range of possibilities it offers for dramatic performance are the two most im-pressive elements.

As a Performing Arts Specialist College in years gone by, we have retained our very high level of per-forming arts. What the screen gives us is the ability to use fully interactive sets – the digital interact-ing with the physical. This has been very powerful and has enhanced our productions considerably"

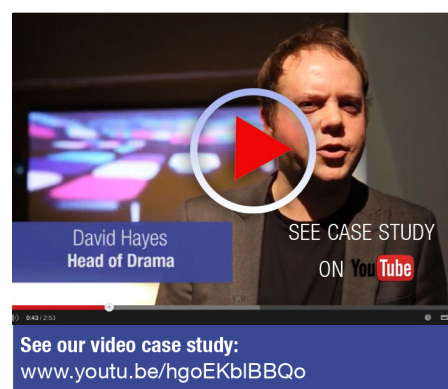
- Neil Lockyer, Headteacher:

"The LED screen has had a hugely positive impact on our young people. It gives us a more holistic approach to theatre in that our students are able to design a set and easily place it right on the video wall with the touch of a button.

The addition of the video wall has been hugely advantageous in regards to meeting learning outcomes, engagement and behaviour. The instant impact of using the screen for set designs allows our students to take ownership and see the results of their work.

In terms of the Performing Arts faculty, the wall allows us to use live video and moving backdrops mixed with naturalistic theatre which has really added a new dimension and level to our theatre and performance."

- David Hayes, Assistant Head of Performing Arts:



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