

Case Study: Mayfield school

Mayfield School utilises Casio UST projectors for new classroom design

“There’s no better way to light up a fantastic summer of sport” –
Brilliant televised sports experiences thanks to Casio’s Advanced Series

Mayfield School in Dagenham, Essex is in the midst of a very exciting few years as a planned expansion project to double in size is due to be handed over in February 2015. This will see the student numbers at the school grow from 1600 to 2700 and 60 new classrooms added to the school roster.

For Network Manager Kul Sihota, this was a fantastic opportunity to source and implement new display

Key features

- Lamp-free
- Up to 3,500 ANSI lumens
- WXGA resolution
- Quick start and stop
- Can project a 60 inch from just 13cm away
- Low power consumption
- Extensive connectivity options
- HD ready



technologies that would be consistent throughout the whole school environment, starting with the new build then filtering through to the existing spaces.

“Over the last few years we have been making the transition to LED projector technology, as lamps in other existing models were reaching the end of their lifetime and Laser & LED hybrid has become a very well established and alternative display solution,” explained Sihota.

“We always attend Bett Show with Computer Talk, our AV and IT reseller, to see the latest innovations and meet manufacturers and spent a lot of time at the Casio stand, captivated by the Ultra Short Throw model (UST) that was being launched.”

“Our initial reaction was purely based on the aesthetics, as we were very impressed by how sharp the image was, especially when compared to a lamp based projector when the prism breaks down towards the end of its lifespan.”

Computer Talk has worked with Mayfield School for over 17 years supporting them with all aspects of their AV and IT infrastructure. This long term relationship has seen Computer Talk become a valued extension of the Mayfield team, with the school involving them in the refurbishment project from the early design phases. This allowed the space to be built to perfectly house the desired technologies, maximising their efficiency and impact.



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Liam O'Mahony, Director and Co-Owner at Computer Talk explained: *“Mayfield favours Casio as their projector manufacturer of choice as they are the pioneers of Laser & LED Hybrid light source technology. From seeing the UST at BETT we knew that this was the ideal solution for the school, so held the final stages of the installation until the model was launched to the market.”*

As the name suggests, the UST has been designed to work in close proximity conditions with the ability to create an 80" image from a distance of just 27cm. From an operational perspective, using Laser & LED Hybrid light source technology also means the projector turns on instantly without a warming up or cooling down period required, meaning there is no 'wait time' for lessons to start.

“Unlike traditional projectors, the Casio UST doesn't have a mercury lamp, so the light source remains consistent over time with minimal drop off in brightness ensuring visuals remain vivid throughout its 20,000 hour lifespan,” said O'Mahony. *“With a continually bright display, the Casio UST negates end users' regular complaint from traditional projectors of having to draw curtains or blinds during presentations in order to view the screen properly.”*

“The difference that Laser & LED Hybrid light source technology this has made for our teachers is phenomenal,” continued Sihota, *“from the sharp imagery which gives an increased level of detail through to the continual high brightness throughout its lifetime, ensuring content can clearly be seen from all desk positions and in any weather. The short distance eliminates shadowing and means that the presenter doesn't have a bright light shining in their eyes.”*

In addition, the removal of lamps means that there are no parts to change. This provides a much more reliable solution with no downtime and gives schools the peace of mind that over three to five years they can accurately predict their costs.

“60 projectors have been installed so far, one in every new classroom. Having no replacement parts significantly reduces the level of maintenance required thus offering a viable and sustainable option for businesses and educational establishments looking for long term technology solutions and industry leading total cost of ownership,” said O'Mahony.

The reduced power consumption and more efficient design of the projector means less power is wasted as heat, so no additional cooling infrastructure is needed such as fans. *“We have found that the UST can be used in any learning environment including across departments, so the same projector can be placed in a drama studio as in a science lab. This keeps the technology consistent for staff and means they walk into any space feeling confident that they know how to use the systems,”* explained Sihota.

The next phase of the project is to implement a wireless management system across the whole school, with uninterrupted internet access in all spaces. *“...We are working to install the management software, which for the classroom display technology will have significant benefits such as being able to ensure that all projectors are switched off overnight from one central point!”*, concluded Sihota.

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www.mayfieldschool.net

