

Llanwern High School

Newport

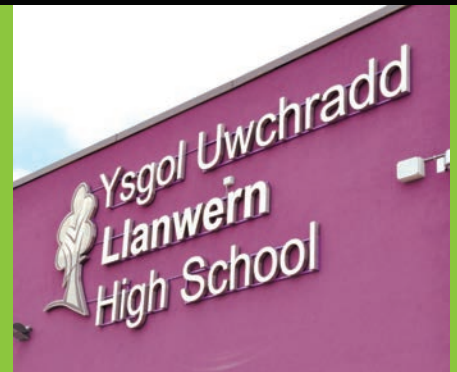
Enhancing the learning environment



Project Brief

Having completed work for numerous education-based clients in South Wales, Vaughan Sound was invited to the local project by Leadbitter. With the school designed to offer the best possible learning environment for its students, the team were commissioned to devise and develop a technical scheme that would

enhance the brand new facilities and ultimately have a positive impact on education. The proposed solution had to incorporate sound, audio-visual and lighting, in addition to safety systems for inclusion throughout the teaching and leisure wings of the state-of-the-art building.



Client Overview

Based in Newport, Llanwern High is a brand new £29 million state-of-the-art school that has been built as part of the council's major secondary school redevelopment programme. The BREEAM excellence rated building, which replaces Hartridge High, was constructed by the Leadbitter Group and offers first-class facilities including a sports hall, drama studios, a fitness suite and lecture theatres that are available to both pupils and the local community.

"We were delighted to be involved in this local education project from the initial planning stage. Taking the client's brief, we were able to devise and develop cost-efficient and user-friendly solutions for the new build school on time and within budget."

Keith Fish,
Project Manager

Technical Solutions

Vaughan Sound worked extensively at Llanwern High, specifying and supplying solution-led equipment throughout the school.

The main hall, which hosts assemblies, productions and events, was equipped with a full range performance package comprising of extensible stage lighting, a quality sound system, drapes and an AV projection scheme. The setup can be utilised for both general teaching purposes and performances, with the flexibility to operate and control applications from the front or rear of the hall.

A similar solution was selected for the drama studios, which received portable lighting rigs, complete with RGB LED par cans and DMX control, audio equipment including cabinet speakers and a pitch-controlled CD player, and stage curtains.

Audio was also incorporated within the school's two teaching wings, where in-wall amplifiers and mounted speakers were installed in every classroom, and the fitness suite, which obtained recessed ceiling speakers and a multidisc CD player. To further equip the 70 classrooms with multimedia facilities, SMART interactive whiteboards and quality projection systems were additionally selected and fitted.

Elsewhere, the dining hall and lecture theatre were provided with projection and sound systems controlled via custom programmed consoles, whilst the recording studios and instrument lesson rooms benefitted from portable systems

with a selection of microphones suitable for communal use throughout the building.

Additionally, a range of audio frequency induction loop systems, commissioned and certified to BS EN 60118-4, were also installed within the school, along with a state-of-the-art digital signage system designed to control and distribute media content to 20 public LCD displays.

Outcome

Vaughan Sound met the specification and successfully delivered equipment to effectively enhance day-to-day study. Llanwern High School now benefits from the latest sound, lighting and audio-visual systems and is anticipated to raise education standards for pupils.

Key Products

- Onelan digital signage
- LG LCD screens
- SMART interactive whiteboards
- Epson projectors
- Zero 88 lighting console and dimmer packs
- Selecon luminaires
- Prolight fixtures
- Yamaha sound reinforcement
- AMX Novara control
- Current Thinking induction loops
- Audio-Technica microphones



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