



CASE STUDY | Industry : Education

The client: Lancashire County Council; Burnley Campus, Shuttleworth College, PendleVale College.



CASE STUDY | Industry : Education

The client: Lancashire County Council; Burnley Campus, Shuttleworth College, PendleVale College.

The Project: Building Schools for the Future, Phase 1

When Bovis Lend Lease was awarded the contract to develop three Burnley schools as part of the Government's Building Schools for the Future (BSF) initiative, TMC was selected to deliver state of the art audio visual requirements throughout the new venues. Building Schools for the Future is a new approach to capital investment in school buildings to support the transformation of education.

With a track record in the design and installation of similar schemes in over 80 educational institutions nationwide, TMC provided the specialist expertise and quality assurances Bovis Lend Lease demanded to be the preferred partner for the project.

TMC were tasked with the specification and incorporation of diverse sound and lighting solutions throughout each school in a variety of environments. The requirements ranged from high-tech audio visual installations for classrooms to sophisticated sound and lighting for dance studios, recording studios, auditoriums and even multi-sensory hydrotherapy pools. The brief also included paging mic systems throughout the schools' corridors, sports halls and external areas.



Essential Requirements:

In the first instance, TMC had to satisfy strict criteria to be officially accredited as an approved and preferred supplier of Bovis Lend Lease. TMC were financially audited, the head office premises were inspected and all health and safety documentation thoroughly checked to assure Bovis Lend Lease of the company's capabilities and best working practices.

As the next challenge, the three 'Phase 1 Schools' were to be built simultaneously, with almost matching work schedules over a 9-month period in time for the start of the new term, otherwise hefty financial penalties would be incurred. To achieve this, TMC created and co-ordinated three dedicated teams from the company's highly trained workforce, ensuring complete control and the highest standards without the risks of sub contracting.

The Specifics:

The specific brief for TMC was to incorporate a wide range of audio, visual and lighting systems into each school to enhance the learning experience for everyone, including pupils with special needs and learning difficulties.

In the classrooms, TMC installed Soundfield flat panel speakers, infrared teaching microphones and wireless hearing aid transmitters to ensure complete intelligibility for every pupil in the room.

In the auditoriums, BOSE® acoustic modelling allowed TMC to pinpoint the optimum speaker selection and positioning to provide near perfect coverage and the highest quality sound and vocal reproduction in every seat. The latest projection systems, electric roller screens and lighting trusses for Bose® Panaray speakers were also installed while the dance studios also benefited from Bose® Panaray speaker systems, internally wired lighting bars and LED moving heads.

For the multi sensory hydrotherapy pools, colour changing LED spheres and IP68 LED par cans were used as an alternative to fluorescent lighting as the flickering and glare can cause distress for children with certain neurological conditions. LED is also very low voltage and generates little heat, making emissions and costs far less than tungsten or fluorescent tubes.

All the work carried out by TMC had to be of sufficiently high standards to last the 25-year life-span of the new schools. As part of the service, TMC provided one-to-one teacher training for all the equipment installed, with ongoing support and also 24-hour technical assistance as required.

Conclusion:

TMC have been at the forefront of delivering sophisticated sound, visual and lighting solutions to a broad cross-section of clients for over twenty years and the three phase one schools demonstrates how the company is poised to bring unrivalled experience and expertise to the BSF programme.

Key Products Used:

- BOSE®
- Soundfield
- Litestructures
- Showtek
- Bitner

TMC has been at the cutting edge of audio and visual technology for more than 20 years. We specialise in creating tailored solutions for our clients in a number of environments including theatres, schools, leisure, retail and places of worship.

Constantly striving to provide a level of service that equals the quality of our installations, we draw on our experience and desire to produce outstanding results for our clients, every time.

TMC Ltd
Hillam Road, Bradford
West Yorkshire, BD2 1QN.
United Kingdom

Tel: +44 (0)1274 370966
Fax: +44 (0)1274 308706
Web: www.tmc.ltd.uk
Email: sales@tmc.ltd.uk

