

EDU CATION



From bespoke facilities, providing latest teaching and learning methods for children with physical and behavioural difficulties, to the refurbishment of local community libraries that have concluded in providing educational facilities opportunities for future generations which would not be possible within mainstream state school programmes





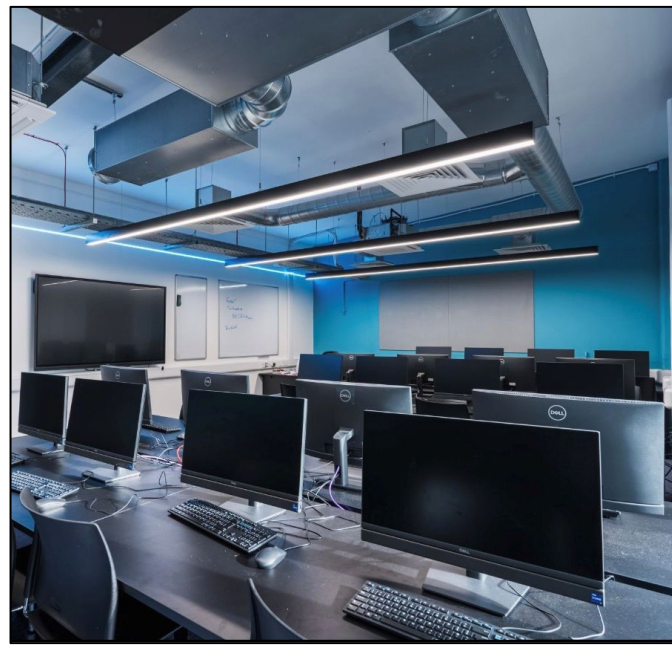
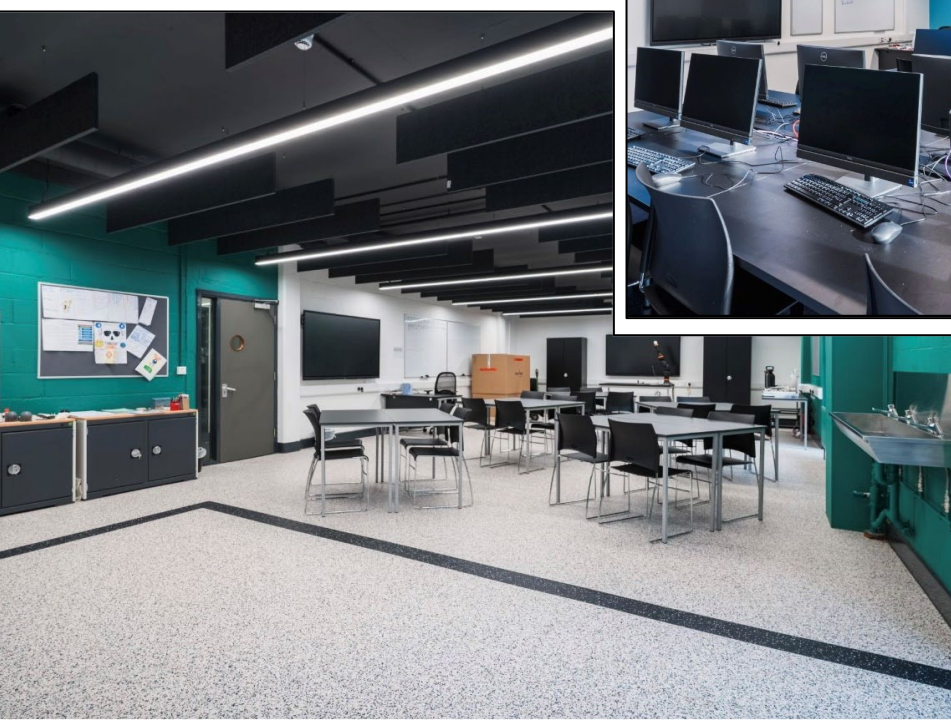
HENLEY COLLEGE, D5 BUILDING REFURBISHMENT

Project Value: £400,000

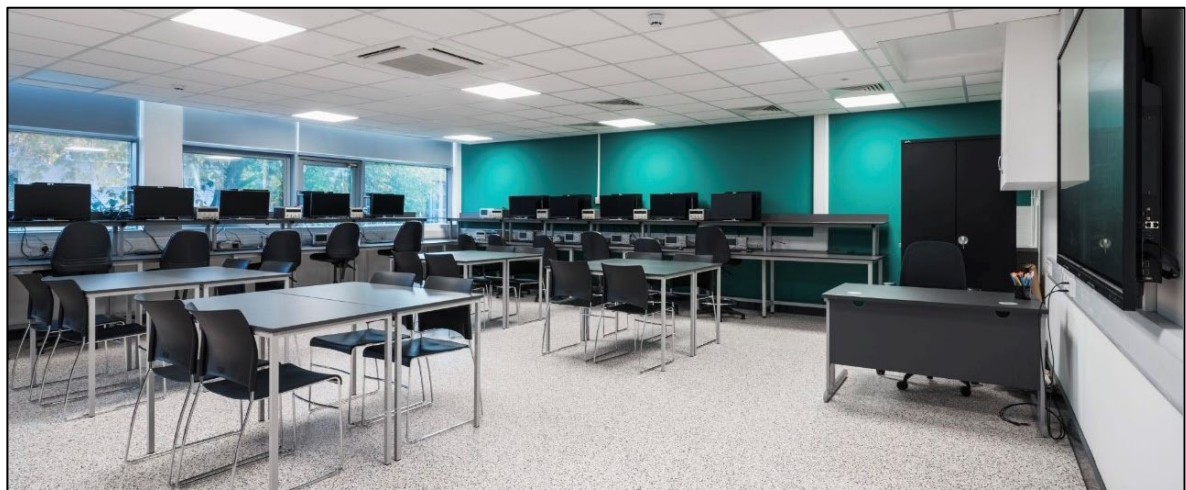
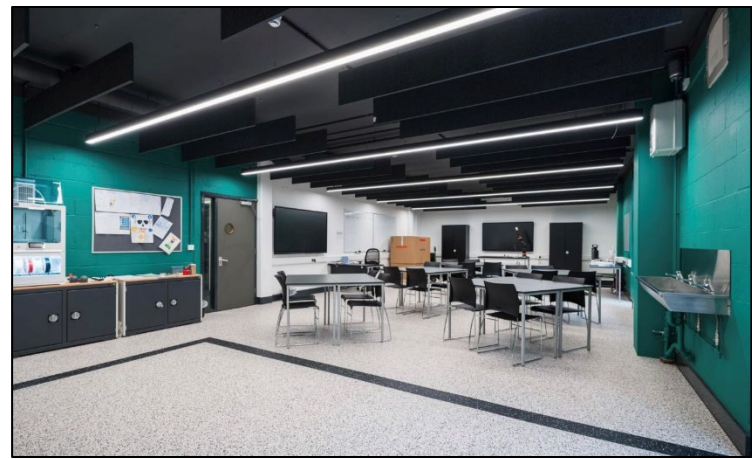


The works involved refurbishment of an existing building on campus and they were undertaken across the following levels: Ground Floor, Second Floor and Fourth Floor

HENLEY COLLEGE, D5 BUILDING REFURBISHMENT



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ITCHEN SIXTH FORM COLLEGE, BITTERNE – LEARNING RESOURCES CENTRE

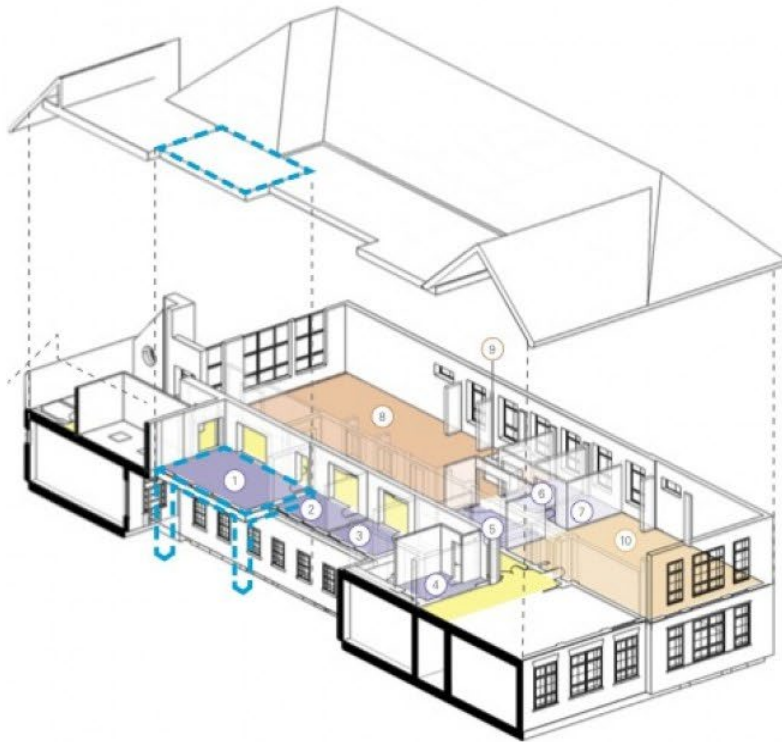
Project Value: £100,000



The works involved refurbishment of the Learning Resource Centre, Library, IT Suite and the associated teaching classrooms on the First Floor, including the creation of new classrooms in a new extension.

Library Refurbishment

Proposed Layout



Key

Student Services:

- | | |
|----------|----------------|
| ① Office | ⑤ Meeting Room |
| ② Office | ⑥ Meeting Room |
| ③ Office | ⑦ Meeting Room |
| ④ Office | |

LRC:

- | |
|----------------------|
| ⑧ Library |
| ⑨ Staff Desk |
| ⑩ LRC Computer Suite |

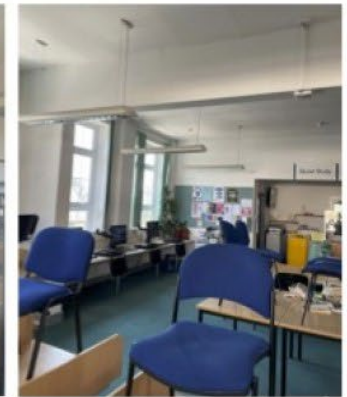
Proposed Improvements

- Form new internal link between east block and north block.
- Breakout bench seating to new connection



Student services & LRC:

- Student services relocated and integrated with LRC
- Student service offices: open up. Glazed partitions to corridor to create visibility and open through-views to central courtyard
- Meeting rooms (for staff/ student meetings) within LRC. Also suitable for individual exam spaces/ quiet study.





BEFORE



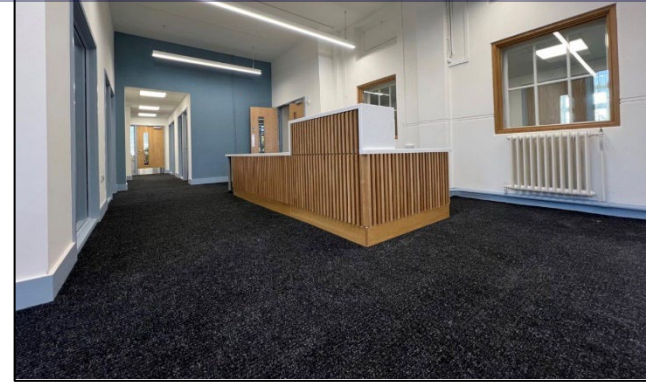
KITCHEN SIXTH FORM COLLEGE, BITTERNE – LEARNING RESOURCES CENTRE

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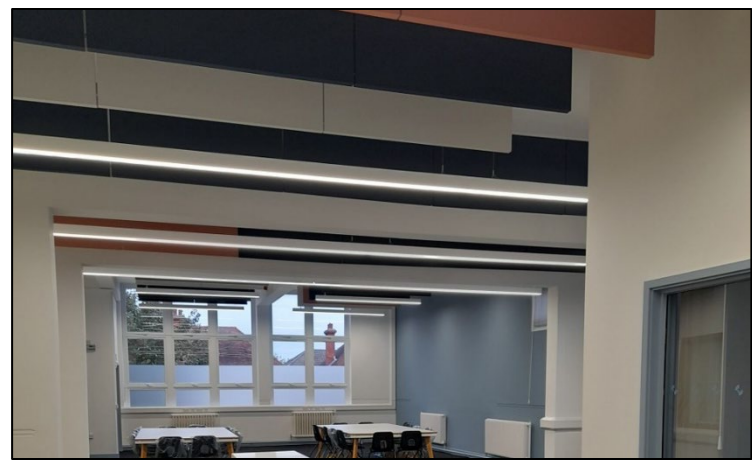
ITCHEN SIXTH FORM COLLEGE, BITTERNE – LEARNING RESOURCES CENTRE



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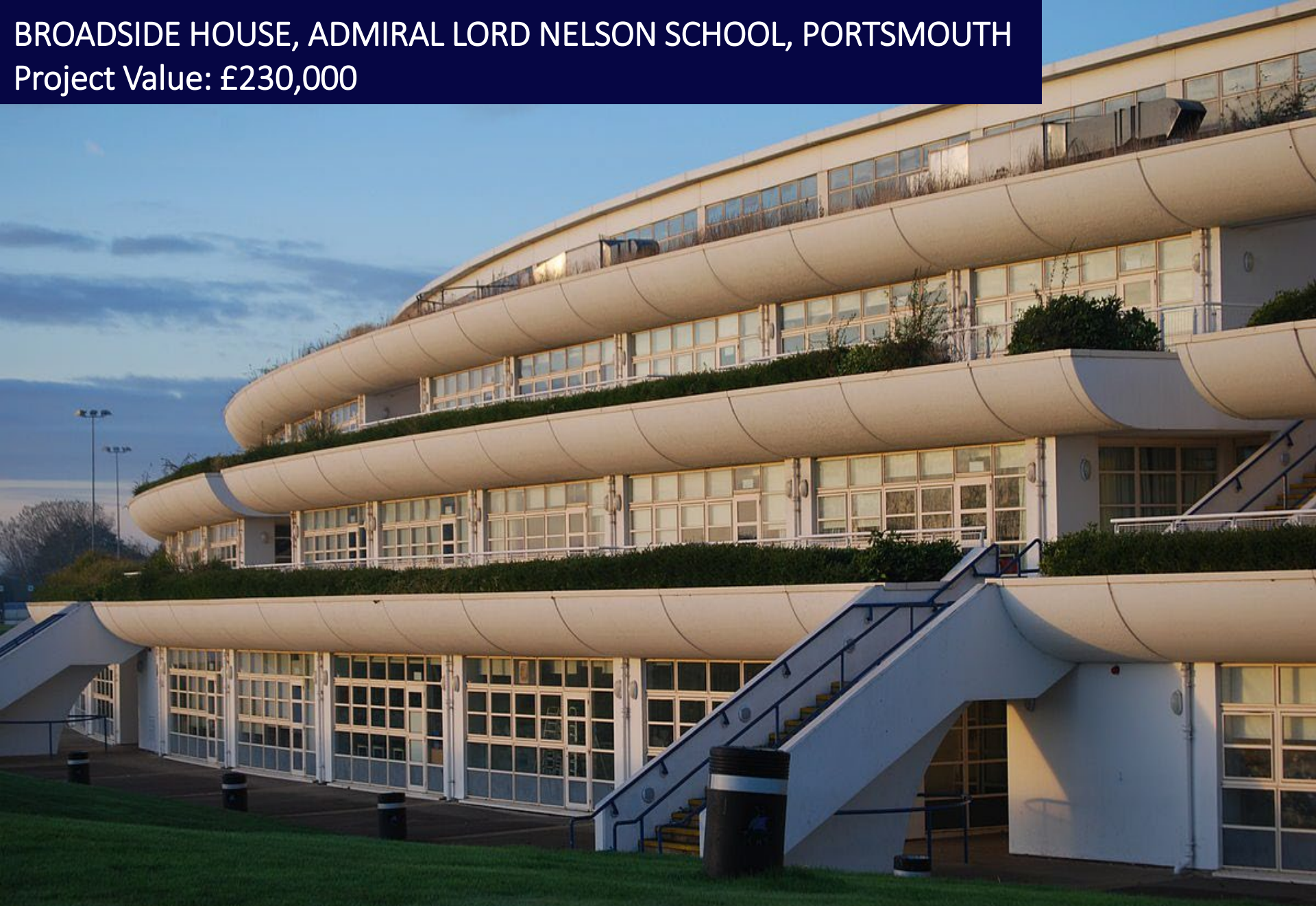


KITCHEN SIXTH FORM COLLEGE, BITTERNE – LEARNING RESOURCES CENTRE



BROADSIDE HOUSE, ADMIRAL LORD NELSON SCHOOL, PORTSMOUTH

Project Value: £230,000



A new two-storey teaching ICT facility, extended from the Admiral Lord Nelson School, built in 1997. The project involved the extension of existing services, together with new provisions within the existing storey building

FAREHAM COLLEGE, HAMPSHIRE

Project Value: £1,400,000



Part new build and part refurbishment of the existing Fareham College campus consisting of a two-storey new build and existing four-storey refurbished building with district heating source plantroom. Services consisted of a centrally located plantroom providing heating to the campus building with provision for future phased works. The plantroom included new gas fired boilers, flue extraction, plate heat exchangers, gas fired water heaters, circulating pumps to supply the hot and cold-water services, heating and gas installations

BEDALES SCHOOL, PETERSFIELD

Project Value: £655,000



Working in partnership with the design team, we were appointed to carry out the supply and installation of the mechanical, electrical and plumbing services at the Orchard Development, Bedales School, Petersfield. The services installed consisted of domestic services, low temperature hot water system, general ventilation, a new building management system, LV distribution, general lighting, small power, disabled alarms, radio/TV/CCTV, data transmission, security detection and alarm, fire detection and alarm, lightning protection and automatic window controls

SHERFIELD SCHOOL, READING

Project Value: £673,607



A new three storey building providing accommodation bedrooms for resident students, the building includes staff management living quarters and two common rooms which are all located within the school grounds. The project consisted of full design installation, testing and commissioning of all mechanical and electrical, public health and security services and all other matters pertinent to the provision of complete, efficient and safe installations

FOREST PARK SCHOOL, TOTTON, SOUTHAMPTON

Project Value: £1,715,181



We secured this project on a two-stage tender basis demonstrating our abilities of design and construction to the client Hampshire County Council. We completed the initial design phase including dynamic thermal model and L2a calculations. The school incorporates sophisticated natural ventilation interlinked with all heating systems, hydrotherapy pools, complex lighting control systems, solar thermal and micro CHP technologies. We utilised our AutoCAD MEP 3D drawing system which greatly benefited the co-ordination of architectural, structural and services elements

PROSPECT SCHOOL, HAVANT

Project Value: £605,000



This project was built to suit challengingly behaved school pupils who could not sustain education in general public schools. Therefore, the project was based upon a robust installation, together with a welcoming environment to work in. The school offers all classes much like a public school, together with gymnasium, kitchen and internal play area to ensure the pupils are not deprived. The works consisted of general supply and extract (heat recovery type), LTHW space heating via underfloor heating, domestic hot and cold-water services and above ground drainage, along with the small power, lighting, data and life safety systems



SOUTHAMPTON CITY COLLEGE, Z BLOCK

Project Value: £845,000



The mechanical and electrical installations for 'Z' Block at Southampton City College comprised of new and existing systems, which had been modified to suit the new requirements. The services provided are as follows: gas supply and distribution, low pressure hot water heating system, LPHW heating system, CWS, HWS, ventilation systems, BMS controls system, low voltage supply and distribution, earthing, internal lighting, external lighting, emergency lighting and exit signs, fire alarm and detection, security system, remote door locking, CCTV, structured cabling and lightning protection

UNIVERSITY OF SURREY, NEW TECHNOLOGY CENTRE

Project Value: £3,006,659



Surrey Satellite Technology Ltd is a new build project situated within the University of Surrey Research Park in Guildford. The build was funded by the University and leased to Surrey Satellite as a production facility. It is a 2225m² steel framed building, which was purposely built as a new satellite production facility. The internal area consists of a main satellite production hall, a secure seep rated area for satellite production and a third smaller satellite production area. To compliment this there are general laboratory areas, propulsion laboratories, flight assembly areas, a mission control area for the control and monitoring of orbiting satellites and control bridge areas which overlook the production bays, various meeting rooms and welfare facilities. The majority of the satellite production and lab areas are built to Clean Room ISO8 Standard

ABINGDON AND WITNEY COLLEGE

Project Value: £1,600,000



The design and build of mechanical and electrical services to six education blocks at Abingdon and Witney College, Witney Campus. The works included minor refurbishment to three existing teaching blocks, major refurbishment to existing library block, existing science and art block and the construction of a new two-storey, hairdressing and technology block. We were awarded the project based on a largely, value engineered solution due to the Client's original proposals being unaffordable

BAYLIS COURT, SLOUGH

Project Value: £976,697



Supply, installation, testing and commissioning of mechanical and electrical services to the new performing arts facility at Baylis Court School. Services include ground source heat pumps, natural ventilation, heating and comfort cooling, audio visual and lighting control, together with distinctive attenuation control, due to the nature of use of the building for music, dance and drama

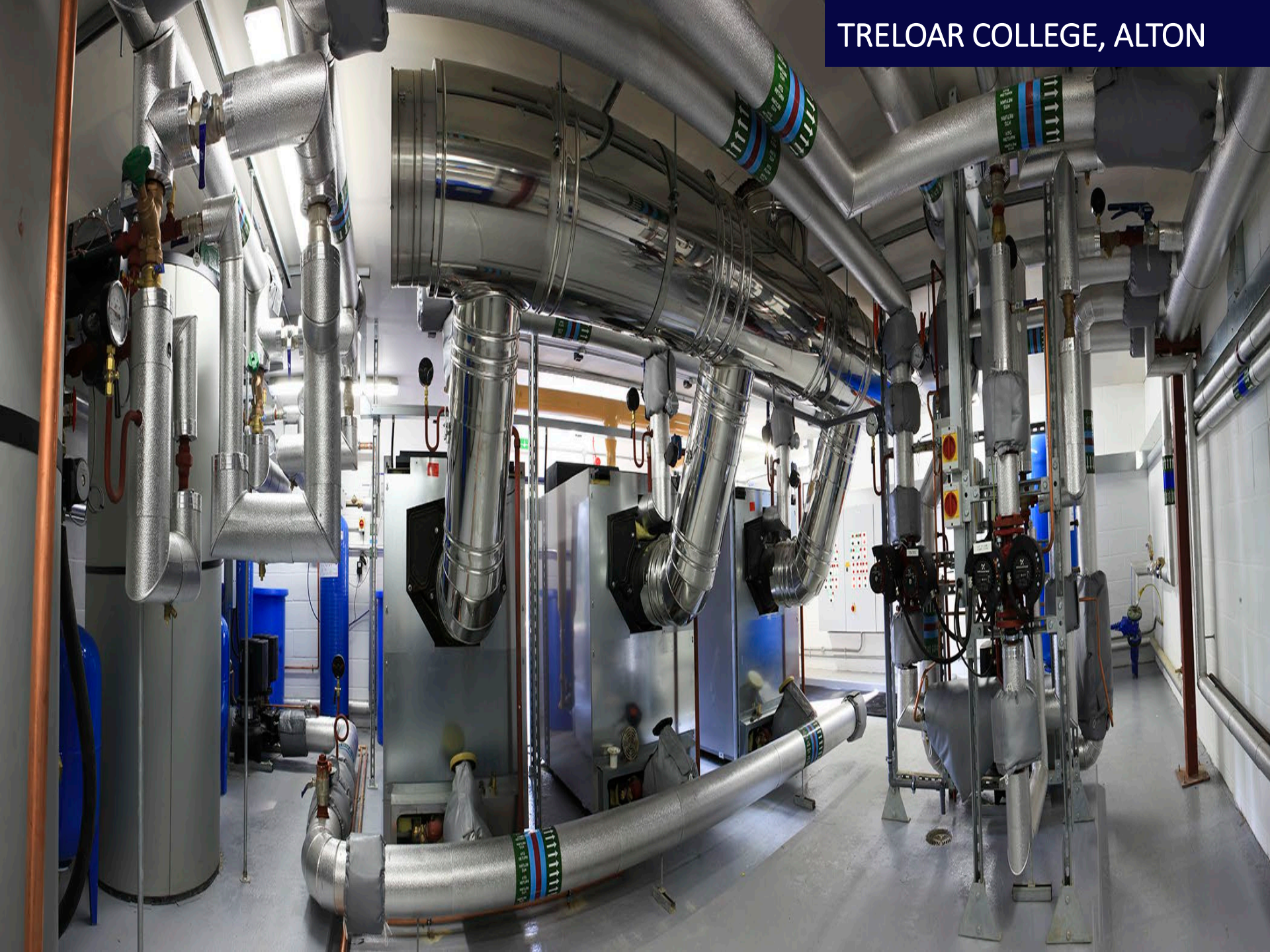


TRELOAR COLLEGE, ALTON

Project Value: £1,574,000



The design, supply, installation and testing and commissioning of the mechanical services to new residential and teaching blocks for students with severe physical disabilities. New 24 bed residential block with underfloor heating, heat recovery ventilation and domestic services including solar thermal hot water. New teaching block encompassing cafe, hall, pool/spa and classrooms with complex integrated natural ventilation and heating system, maximising the overall efficiency of the building. Detailed co-ordination of the building services and selections of services equipment was required to accommodate the physical learning needs of the students



UNIVERSITY OF SURREY – AZ FACILITY

Project Value: £1,289,730



The University required mechanical refurbishment work to their Level 4 Building 'AZ' creating new laboratories. The works carried out included; all new drainage, hot and cold-water installations, heating, cooling and associated supply and extract ducting systems, compressed air, carbon dioxide, oxygen, trace heating and thermal insulation. Complete with a new dedicated plantroom comprising of booster set, chilled water pump, heating pump, water softening plant and plate heat exchanger

Surrey Institute of Art and Design, New Crafts Study Centre

Project Value: £1,100,000



Design and build mechanical and electrical services installations, including gas fired AHUs, domestic services, lighting and small power to a new Lecture Theatre and a new Crafts Study Centre



BRAMBER HOUSE, UNIVERSITY OF SUSSEX

Project Value: £1,830,000

The project comprised of the remodelling and refurbishment of the ground and first floors and an extension to the ground floor of Bramber House to provide a new restaurant and kitchen facility for the University of Sussex

CHICHESTER COLLEGE, G BLOCK

Project Value: £1,914,000



The building was a new teaching block for the College for new trades i.e. bricklaying, painting and decorating, plumbing (including Gas Safe), upholstery, carpentry and IT skills

BHASVIC COLLEGE, HOVE
Project Value: £1,749,998



This building is a new teaching block for the Sixth Form College, which consists of a new performing arts room, music practice rooms, IT teaching room, biology teaching rooms, kitchens, toilets and store rooms

WSMSE SIMULATOR SUITE, SOUTHAMPTON

Project Value: £1,160,000



The Southampton Solent University Maritime Simulator Department commissioned a new Simulator Facility which has been constructed within the existing Michael Andrews Building on the Solent University Campus. The project consists of mechanical, electrical, and public health services installations in the largest and most sophisticated Maritime Simulation Suite in the UK. The new Simulation Suite includes a full mission bridge simulator, a further five bridge simulators, an engineering room simulator, high voltage equipment training facility, liquid cargo simulators, on and offshore crane simulator, a radio communications GMDSS and VTS training suite, dual purpose simulators and four multi-purpose desk top simulation classrooms

MALMESBURY SCHOOL, MALMESBURY, WILTSHIRE

Project Value: £1,600,000



This new build £60m PFI school for new high-quality purpose-built education facility merged two previous sites into one. The school had been designed as a specialist school for science, the performing arts, math, and ICT.

A varied number of mechanical and electrical services were undertaken which included: VRF air conditioning, LTHW heating, gas services, extract ventilation to toilets and kitchens, installation of sanitaryware, hot water distribution system, plumbing services, boosted cold water mains, public health services, external irrigation systems, energy management systems, laboratory services, internal lighting installations, external lighting, fire alarm, data installations, electrical mains distribution, video entry systems, intruder and security systems

BEARWOOD SCHOOL, POOLE

Project Value: £400,000



Mechanical services installation only to extension to main school building to include 4 no new science classrooms

Lytchett Minster School, Dorset
Project Value: £700,000



Design and build mechanical and electrical services installations associated with the new Technology, Arts and Drama Building for Dorset County Council

RICHARD TAUNTON SIXTH FORM COLLEGE, SOUTHAMPTON

Project Value: £334,000



The works consisted of the full replacement of radiators and internal pipework within the historic 100-year-old Tauntons College main building and various new buildings which have been added to the College. The College also upgraded to a new and exciting BMS trend-based system to control individual heating zones inputting data from the main panels within the boiler houses and also from an external pc within the offices on the premises

LE CORDON BLEU COOKERY SCHOOL, LONDON

Project Value: £1,500,000



LE CORDON BLEU

PIED BULLYARD

Le Cordon Bleu have relocated their training school to a refurbished five storey office in the west end of London, which will become their global training headquarters. The building has been fully refurbished and includes eight number training kitchens, two number demonstration kitchens, classrooms, office area and staff changing rooms. We installed mechanical services and controls including VRF air conditioning systems, fire rated kitchen extract systems, fresh air systems, HWS, CWS, LTHW and drainage pipework. All served by two number plant areas, one number in the basement, comprising of AHU, chiller, cooling tower, close control units, water systems and hot water generators and the second at roof level with extract fans and VRF condensers.





TREEHOUSE AUTISTIC TRUST SCHOOL, MUSWELL HILL, LONDON

Project Value: £1,385,896



The Treehouse Trust project was for the Treehouse Autistic Trust. This project was a concept design from Max Fordham, Consulting Engineers, which we took on and completed the design and build for the innovative mechanical and electrical building services systems. We developed a close working relationship with Max Fordham and the Treehouse Trust Team and delivered this project in two phases

ROYAL GREENWICH UTC
Project Value: £1,916,464



Greenwich UTC is a new technical college in the Royal Borough of Greenwich. We undertook the mechanical, electrical and public health installations including the data and telecoms systems. The scheme consisted of ventilation fed via heat recovery units in all areas, heating via the heat recovery units and radiators and high bay heating in the workshop areas including a working tube train for the students to study. A vast majority of the building had open voids therefore the quality of our installation had to be to the highest standard

RUISLIP HIGH SCHOOL, RUISLIP
Project Value: £1,310,124



Ruislip School is a new build three-storey extension to the existing Ruislip High School. The new block is a 6th Form Block consisting of classrooms and a Drama Theatre. The project consists of power and lighting, photovoltaic, fire alarm, data, security, lightning protection, domestic services, heating, ventilation, rainwater and BMS

BESSBOROUGH STREET NURSERY, LONDON

Project Value: £425,000



Pre-designed refurbishment of mechanical installation works to a nursery and associated office/meeting rooms



OUR
MEP Co.