Silsoe Lower School

New Build

Wadys worked with Ashe Construction to undertake the building services on a new Lower School in Silsoe.

The school were relocating to a new site on the former Cranfield University Campus within the Village. The proposed move is part of a wider initiative from Bedfordshire Council to provide 6,500 new school places within the next five years.

The Lower school provides 240 places, increased from 135 at the current site and will see the existing Special Education Needs provision, for Behavioural, Emotional and Social Difficulty also be conveyed from the new premises.

Our works included the following services:

- Distribution Systems
- Lighting & emergency lighting installation
- Design & install lighting control systems
- General power installation
- Design & installation of fire alarm system
- Design & installation of intruder alarm system
- Access control
- CCTV
- Data/communication infrastructure

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Coventry City FC, Alan Higgs Centre

Training Facility

Wadys were pleased to work with Rubb again to provide the electrical services to this great all weather covered training facility.

The new facility is a well equipped with LED lighting controlled automatically offering a very efficient energy saving solution.

The outcome was a very high spec bespoke installation that was completed in good time and to suit the clients specific detailed requirements on budget.

Our works included the following services:

- Mains distribution
- LED lighting installation
- Emergency lighting installation
- Lightning protection

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Watford Grammar School

New Build

Ashe Construction asked us to design and install the following services to a free standing Stem building for Watford Grammar School.

Wadys worked with Ashe and our Specialists to deliver the project to a high standard, we held regular meetings to ensure all containment and power requirements for all Specialists including the AV were met and installed.

The lighting design not only complied with current regulations but ensured a bright welcoming environment for the staff and pupils.

Wadys delivered the following services:

- Main Distribution Systems
- General Power Installation
- Lighting Design and Installation
- Emergency Lighting Design and Installation
- Fire & Disabled Refuge Alarms
- Access Control Systems
- IT Infrastructure
- CCTV
- Security Systems

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Amersham & Wycombe College

New Skills Centre - New Build

Wadys were pleased to work alongside Neville Construction in providing a complete design & build electrical installation to the new skills centre.

We provided electrical services to the new vehicle workshop, machine shop, joinery workshop, carpentry and dry lining areas. General facilities such as toilets, staff room and offices were also included.

Our Services Provided Were:

- LV Distribution
- High Level Containment
- Small Power Install
- Lighting
- Fire Alarm
- Intruder Alarm
- Door Access Control
- Data Installation
- Lightning Protection
- Disabled Call System

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Harrow College Health & Social Care Building

New Build

Harrow College wanted a new Health & Social Care building on one of their existing campuses.

We worked with several of the College's nominated Specialist Contractors to ensure the systems were compatible with the college's site wide systems

Wadys were pleased to work with Ashe Construction to provide the following Electrical Services for this:

- New electrical supply from existing distribution point on campus.
- Main Distribution Systems
- General power installation
- LED lighting
- IT infrastructure
- Fire & disabled refuge alarms
- Access control systems
- CCTV
- Intruder alarm

Hartford S E N

*Refurbishment**

Wadys were pleased to work with Borras Construction to provide the electrical requirements to develop a building which had sat derelict for a number of years into 2no school spaces. The first being a special educational needs school and the other a pre-school for the primary school already on site.

***Although classed as a refurbishment, it was treated as a new build from an electrical point of view.

The whole building was gutted and installed as new including the electrical supply by the Electricity Board.

Our works included the following services:

- Distribution systems
- Lighting/emergency lighting installation
- Power installation
- Fire alarm system
- Intruder alarm system
- CCTV system
- Data infrastructure
- Access Control Installation
- External Lighting (including car park columns)

The renovated building looks worlds away from the run down derelict building that was sited there. The classrooms are of a nice finish and fit for purpose.

Wren Academy

Design & Build Extension

The School was looking to expand to include a Primary School and Early Years section so it can now cater for all ages.

Wadys were appointed to carry out the Design & Build works for this project by Willmott Dixon. This included Integrating new systems to existing and external works consisting of additional car parking and play area.

Working with Willmott Dixon we were able to provide the electrical requirements to meet the needs of the client and users of the academy, in keeping with modern feel of the existing school.

Our works included the following services:

- Distribution systems
- Lighting/emergency lighting installation
- Bollard pathway lighting
- Power installation
- Fire alarm system
- Intruder alarm system
- Access control installation
- CCTV system
- Data infrastructure

Bedford Cluster Schools Phase 1

Design & Build Electrical & Mechanical

Bedford has seen a large rise in housing construction which has resulted in a growth in the local population – and a rise in pupil numbers. Bedford Borough Council therefore looked at new ways of procuring and delivering cost-effective solutions to address this challenge.

Bedford Borough Council signed up to the innovative Sunesis product. This was a joint venture by Scape, a local authority controlled company, and contractor Willmott Dixon, whom in turn employed Wadys to undertake the Electrical and Mechanical design and build aspect of the work.

Primary school extensions

A programme of primary school extensions which used the Scape Connect standardised classroom approach was started in May 2013. A total of 15 classrooms and two halls were constructed using this unique approach.

Our works included Electrical Design, installation of lighting, power, fire alarm, intruder alarm, door access, audio enhancement systems, data infrastructure and solar panels. In addition to this Wadys managed the Mechanical Design, Underfloor heating, domestic services, above ground drainage, ventilation and air source heat pump installations.

Elstow Lower school has benefitted from a four class Connect block and multi-purpose hall. **Shackleton Lower School** had a four class Connect Key Stage 2 block constructed.

Cauldwell Lower School now has a 4 class KS2 Connect block with an extension to the existing hall. **Ridgeway SEN school** has had a much needed three class Connect block built with a bespoke internal design for the specific special needs of the students to learn core life skills.

Finally **Cotton End Lower school** which benefitted from internal refurbishment, including a new pupil entrance to the main block, reception alterations and a temporary mobile unit which was relocated from the old Shortstown School.

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Bedford Girls School - Summer Refurb

Drama & Dance

Goodrich Consulting

EMEC Design & Consultancy

TMV Architects

SAC Construction

Scope of Works

- LED artificial lighting installation
- Emergency lighting
- Lighting controls
- Telecommunications and Data
- General small power
- Power supplies to theatre lighting and sound equipment
- Multi service containment
- Fire detection & alarm

Drama -

Drama studio high level lighting was replaced with specialist LED theatre luminaires controlled from the sound and lighting control room and remotely via an ipad.

Blue LED backstage lighting was also provided.

The lighting was controlled from new scene set plates & associated control cabling in order to create different lighting states. The house lighting was also interfaced with the theatre lighting.

General small power and data was installed to suit the specialist stage lighting, sound and projectors.

In the drama classroom existing recessed light fitting were replaced with dimmable LED panels and mirror lights in the form of LED strips. Again the lighting was controlled via wall mounted scene set plates to enable different scenes to be selected.

The main entrance lobby lighting was replaced with LED dimmable downlights recessed into a new ceiling. General power and data provided to the new reception desk and high level TV.

Dance –

Dance studio existing lighting has been replaced with new LED panels to suit the new ceiling grid with controls being via manually operated switches as required by the client on the first floor and dimmable controls downstairs. General power and data to serve the teachers desk and projector.

Assembly Hall –

Existing surface mounted, wall mounted and under canopy luminaires have been replaced with LED dimmable units controlled from various scene set plates and interfaced into the stage lighting. The option to control the lighting via an ipad has been included.

New small power and data has been installed to suit the specialist stage lighting and sound equipment.

In the above areas emergency lighting and fire alarm installations have been included or modified as required.

The existing distribution system has also been upgraded to accommodate the latest changes with spare capacity for the future.