

Systems for Education...

		Reception	Circulation Routes	Assembly Hall	Sports Hall	IT Suite	Classrooms	SEN Suite	Staff Areas	Changing / WC	External Areas
Fire & Security	Fire Detection & Alarm	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Fire Extinguishers	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Voice Alarm	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CCTV	✓	✓	✓	✓						✓
	Access Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Intruder Alarm	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Disabled Refuge Call		✓					✓			
	Panic Attack Alarm	✓						✓			
Sound & Communications	Public Address	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Sound Field					✓	✓	✓			
	Class Change	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Hard of Hearing	✓		✓	✓	✓	✓	✓	✓		
	Assistance Call	✓			✓		✓	✓		✓	
Music & Media	Audio Visual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Sound Reinforcement			✓	✓						
	Smart Boards					✓	✓	✓			
	Digital Signage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Stage, Theatrical & Effects Lighting			✓	✓						
	Background Music	✓	✓	✓	✓						
Maintenance & Service	Routine Service & Maintenance agreements	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Emergency Call-Out 24/7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Telephone Support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Fire Risk Assessment (RRO)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Systems for Education...



With many demands placed upon education establishments, imagine the benefits of being able to source all your building systems from one supplier. PEL Services is unique in being able to offer fully tailored integrated packages to fulfil your needs:

- ✓ **Economy of scale**
- ✓ **Dedicated Project Management**
- ✓ **Simplified administration**
- ✓ **Comprehensive Service Department with a nationwide network of engineers providing continuing support**



IMAGINE THE BENEFITS...

Imagine the benefits of obtaining your Fire, Security, Communications and Audio Visual maintenance from a single **ISO 9001** certificated organisation that has been serving Education for over 35 years.

PEL is certificated to **LPS 1014**, the highest accreditation for the Supply, Installation and Maintenance of:

- Fire Detection & Alarm systems
- Closed Circuit TV
- Intruder Alarm
- Public Address
- Access Control
- Emergency Lighting
- Audio Visual systems

PEL provides a range of service agreements, including routine maintenance and fully comprehensive cover, on third party as well as PEL systems.

By dealing with all or a number of your systems together our engineers minimise maintenance visits, resulting in simpler administration and genuine economy of scale.

Case Study - City Academy

Funded by the Department for Children, Schools and Families (DCSF) as part of the Academy programme, City Academy provides eleven-hundred 11-19 year olds from the Bermondsey area with high quality, state-of-the-art facilities. The City of London is a prime sponsor, working in collaboration with London Borough of Southwark.

The Academy has a full range of teaching accommodation with all attendant support facilities. This includes halls for dining and assembly, sports halls, dance and drama studios, with sufficient space for school support and administration.

Selected as a specialist contractor, PEL Services was pleased to design, supply, install and commission a comprehensive range of systems to protect this prestigious building which won the Prime Minister's Public Building of the Year Award in 2006.

PEL's package of systems included:

- Fire Detection & Alarm
- Intruder Alarm
- Refuge Call
- Disabled WC Alarms
- Public Address
- CCTV
- Access Control
- Door Entry Intercom



Schools, Colleges, Academies & Universities served by PEL include...

- | | | | | | | | | |
|---|---|--|---|--|--|--|--|--|
| 6th Form Centre Brentwood
Addington School
Aldrynton Primary School
Alexander First School
Alexandra Park School
Alexandra School
Alexandra Special School
Alfred Sutton CE Primary Sch
All Saints CE Infant School
All Saints CE Junior School
Altwood CE Comp School
Churchend Primary School
Alwyn C Infants School
Arborfield Newland Barkham Sch
Arbour Vale School
Avenue School
Avonmore Primary School
Aylward First & Middle School
Bath University
Battle CE Primary School
Battle Pottery
Bayliss Court Secondary School
Bearwood Primary School
Beechwood Primary School
Belmont Middle & First School
Bentley Wood High School
Bickley Primary School
Binfield Primary School
Birch Copse School
Bisham CE School
Blagdon Nursery School
Blagrove Nursery School
Boyne Hill CE Infant School
Brackenhale School
Braywood Primary School
Brightwalton School
Bulmershe Comprehensive Sch
Cannon Lane School
Canons High School
Cardinal Hinsley School
Castleview Combined School
Caversham Nursery School | Caversham Park Primary School
Caversham Primary School
Cedars First & Middle School
Chalvey Nursery School
Charters School
Cheapside Primary School
Chinhurst Prep School
Christ Church CE Infant School
Christ The King Primary School
Christchurch Primary School
Churchend Primary School
Churchmead School
Claycots Combined School
Claycots Primary School
Clewley Green Infants School
Coley Park C Primary School
Coley Primary School
Colleton Primary School
Colnbrook Combined School
Colnbrook Primary School
Combes Infants School
Cookham Dean CE Primary Sch
Cookham Nursery School
Cookham Rise Primary School
Coston Primary School
Courthouse Junior School
Cox Green Comprehensive Sch
Crannbourne Middle School
Crazies Hill Primary School
Dair House School
Datchet St Marys CE School
Dedworth Green First School
Dedworth Middle School
Derby High School
Desborough Comp School
EP Collier CE Primary School
Elliman School
Ellington School
Elmgrove School
Emmbrook Comp School
Emmbrook Infants School | Emmbrook Junior School
Emmer Green Primary School
Eton Porny CE First School
Hugh Wick First School
Farley Hill Primary School
Finchampstead Primary School
Forest Comp School
Foxborough Combined School
Foxhill Primary School
Foxwood School
Furze Platt Comp School
Furze Platt Infant School
Furze Platt Senior School
Geoffrey Field Infants School
Geoffrey Field Junior School
Glebe School
Godolphin First School
Godolphin Infant School
Godolphin Junior School
Gorse Ride Junior School
Grange School
Greenford Nursery School
Greenwood Pre school
Grimsdyke School
Grove House Nursery School
Harrow High School
Hatch End High School
Hatch Ride Primary School
Hawkedon Primary School
Hawthorns Primary School
Heathland School
Herschel Grammar School
Highwood Primary School
Hill CE Primary School
Hillside Primary School
Hilltop First School
Holt Comprehensive School
Holy Family Combined School
Holy Trinity C.E. School
Holy Trinity Primary School
Holybrook School | Holyport CE Primary School
Holyport Manor School
Homer C First School
Hugh Farringdon School
James Elliman Middle School
Katesgrove CE Primary School
Keep Hatch Junior School
Keep Hatch Primary School
Kelsey Park
Kendrick Grammar School
Kenley Primary School
Kenmore Park School
Kings College Wimbledon
Kings Court First School
Kings School
Kingsford Community School
Knowle Hill Primary School
Lambs Lane Primary School
Langley Grammar School
Langley Park Boys School
Langleywood School
Larchfield Primary School
Lea County Middle School
Lea Infant School
Littledown School
Loddon Junior School
London School Musical Theatre
London School of Sound Ltd
Longfield School
Lowbrook Primary School
Lynch Hill School
Maiden Erleigh School
Maiden Erleigh Comp School
Maidenhead Nursery School
Manor Primary School
Marish County First School
Marlborough School
Mayville Primary School
Meadow Vale School
Meadows School Respite Centre
Meadbrook Tailors School | Micklands C Primary School
Millside School
Montem County First School
Montem County Middle School
Moorlands CE Primary School
Moulton College Northants
New Childrens Centre
New Christchurch School
New Directions North
New Town CE Primary School
Newbridge Nursery School
Newlands Comp School
Newport Free Grammar School
Newton Farm School
Newtown Primary School
Nine Mile Ride Primary School
Norbury School
Norcot Nursery School
North Ridge Community School
Northbrook School
Norwood School
Nower Hill High School
Oakfield First School
Oaklands Junior School
Orchard Primary School
Our Lady of Peace School
Our Lady of the Visitation
Oxford Road CE Primary School
Palmer CE Junior School
Park High School
Park Lane CE Prim Sch & Annexe
Parlaunt Park Combined School
Piggott CE Comp School
Piggott School
Pinner Park School
Pinner Wood First School
Pipers Corner School
Polehampton Infant School
Polehampton Junior School
Priestmead School
Priory Combined School | Priory Special School
Radstock Primary School
Ranikhet C Primary School
Reading College
Reading Girls School
Reading School
Reading School Improvement Ctr
Redlands CE Primary School
Ridgeway CE Primary School
Rivermead Primary School
Robert Piggott CE Junior School
Robert Sandilands School
Roke Primary School
Rooks Heath High School
Roxbourne School
Roxeth School
Royal CE First School
Ryvers CE Combined School
Sacred Heart Catholic School
Sacred Heart High School
Sandhurst School
Sedgehill School
Selhurst Specialist School
Shaftesbury School
Shinfield Infants School
Slough & Eton School
Slough Centre Nursery School
Sonning Primary School
South Ascot Village School
South Lake Nursery School
Southcote CE Primary School
Southfield Primary School
Southfield School
Spring Park Primary School
St Albans School
St Annes RC Primary School
St Anselms Catholic School
St Anselm's RC Primary School
St Anthonys RC Combined Sch
St Benedict's School
St Bernadette's School | St Bernards Convent School
St Bernards Prep School
St Christopher's School
St Edwards RC First School
St Ethelberts School
St Georges School
St Helens School
St John Fisher Catholic School
St Johns CE Primary School
St John's First School
St John's Middle School
St Joseph's School
St Lukes Primary School
St Mary's Junior School
St Mary's Combined CE School
St Mary's RC Primary School
St Michael & St Martin School
St Nicholas CE Primary School
St Nicholas School
St Paul's CE Primary School
St Paul's CE Junior School
St Peter's CE Middle School
St Peter's CE Primary School
St Teresa's RC Primary School
St Teresa's School
St Vincent's RC Primary School
St Francis's Primary School
St Martin's RC Primary School
St Michael's RC Primary School
St Raphael PC Primary School
Stag Lane School
Stanburn School
Stone Hill School
Sunninghill Library
Swanlea School
Tasis The American School
Teddington Secondary School
Thameside Primary School
The Avenue School
The Cottlesloe School
The Holy Brook School | The Laurels (Park Lane School)
The Meadway School (Campus)
The Watchetts Junior School
Trevelyan County Middle School
Trinity School Carlisle
Trinity St. Stephen School
Ty Gwyn Special School
Uproct Primary School
Upland School
Upton House School
Vaughan School
Virgo Fidelis Senior School
Waingels Copse Comp School
Walter Infant School & Nursery
Waltham St. Lawrence Prima Sch
Walford Grammar School
Weald School
Welldon Middle School
Welldon Park First School
Wescott Infant School
Wessex Junior School
West Acton Primary School
West Lodge School
Westend Junior School
Westgate School
Wexham Court Primary School
Wexham Park Secondary School
Whitchurch School
White Waltham Primary School
Whitefriars School
Whiteknights Primary School
Whitley Park CE Junior School
Whitmore High School
Whitton School
Willow Bank Infants School
Wilson CE Primary School
Windsor Boys School
Windsor Girls Upper School
Winnersh Primary School
Wolsey Infants School
Wooden Hill School | Woodlands Park Primary School
Woodley Primary School
Wraybury Combined School
West London University
University of Cambridge
Thames Valley University
University of London-Warehouse
University of Teesside
University of Creative Arts
Bath University Students Union
City of London Academy
Harefield Academy
Langley Academy
Madejski Academy
Waltham Academy DTF
Royal Military Academy
Hertfordshire Academy
Surestart Nursery
John Madejski Academy-Block C
Digital Academy - Reading Camp.
Bracknell & Wokingham College
College Hall
Cranbury College
Garth Hill College
Hampton Community College
Kelsey Park Sports College
Kendal College
Phoenix College
Prospect College
Reading College
Reading College of Technology
Salvatorian College
South Devon College
Southampton City College
Sure Start Whitley
The Boundary
The Boundary (Mansbridge)
The College of Law |
|---|---|--|---|--|--|--|--|--|



Assessed to **ISO 9001**
LPCB Ref. No. 981



LPS 1014 - CFA-179
Certificated Fire Detection
and Alarm System Firm



CONTRACTORS HEALTH & SAFETY ASSESSMENT SCHEME
Accredited Contractor
www.chas.gov.uk



Case Study - Teddington Secondary School

PEL Music & Media was invited to tender for the Drama, Theatre & Music Department's Audio Visual package. With the consultant's specification pushing potential cost to over £140,000 it was not long before Headmaster Richard Meeks and Deputy Headmaster Jeremy Law had to re-evaluate their requirements. During regular meetings with contractors and consultants acting on behalf of the Richmond Borough Council, PEL were invited to re-design the AV system to accurately reflect the school's syllabus at a cost that would not exceed budget.

PEL's design satisfied all of the school's requirements, providing a multi-functional system for the Drama, Theatre & Music Department with overall control provided by a wireless Crestron solution incorporating:

- Crestron Wireless control and automation
- 24 Channels of Dimmable Lighting for each Drama Suite
- 48 Channels of combined Lighting control for stage production
- Local & Remote Control of Stage Lighting Desks
- Large Scale Projection Systems for each Drama Suite
- Local Audio Engineering Point for Live Productions
- Outboard Processing for Live Performances
- Full Digital Recording & Editing Suite for Live Productions
- Turbosound Front of House PA System with Full Stage Monitoring
- 24 Channel Mixing Console for Production & Recording

Due to the complexity of the system a Crestron Control with Wireless Touch Panel was included within the design and PEL designed and installed a user-friendly GUI (Graphical User Interface) enabling user-friendly access to the system.

With input from the Deputy Headmaster on operational requirements, PEL programmed set commands that would automatically switch the systems to the correct state for events such as Stage Performance, Live Bands, Recording, Assembly and Theatre by a simple press of a button. Crestron controls Stage Lighting Dimmers, DMX Signal Routing, Data & Video Projectors, Projection Screens, BSS DSP Audio Processor, Kramer VGA & Video Matrices, DVD Players and the Drama Suite's House Lighting System.

The school has already staged many high class performances and the pupils are set to continue achieving high standards with the future productions that they have planned and both pupils and staff are enjoying the full functionality of the AV package that PEL has installed.

With a saving of over £42,000 from the original design set out by the consultant, PEL has delivered all the required disciplines above and beyond the schools expectations and delivered a system that was on time, within budget and fit for purpose.

