



**I.E.D.  
Installations  
Limited**

#### Our Business Services include...

Electrical >	Access Control >
Data >	CCTV >
Voice >	Mechanical >
Electrical Testing >	Building >

**Committed to Service**

[www.ied-uk.com](http://www.ied-uk.com)  
0151 427 8500

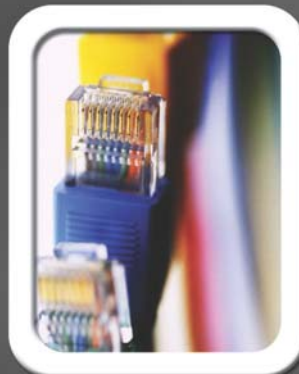
## Construction Case Studies



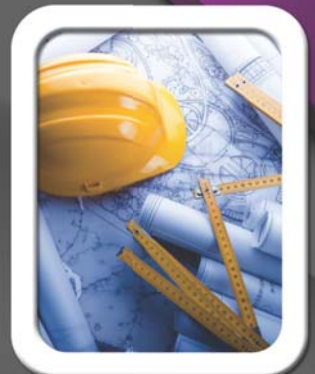
Electrical



Mechanical



Voice/Data



Building



# I.E.D. Installations Limited

## Statement



IED Installations were established in 1994, and have sustained a continued growth year on year, this being due to our commitment to our client base and staff.

Our focus is to provide a service that meets our clients and future clients satisfaction with regards to professional approach, quality, delivery, health and safety and value for money.

IED has grown into a recognised construction service provider within the North West, this being due to our commitment to provide a flexible approach to the services we provide to our customers and our forward planning.



Our approach to all projects is to work as a team with the client and his professional team to deliver a quality project and within budget. This is achieved by our openness and technical abilities within our organisation to look at each individual project with regards to delivery, valued engineering, build ability and programming.



We employ over 50 operatives with many years of experience within the construction industry and have a very stringent training programme for all our operatives / apprentices with regard to their technical and health and safety training. The range of services we can provide are Mechanical, Electrical, Voice and Data, Test and Inspection, Planned Preventative Maintenance, Project Management and Construction Services.

Our client base ranges from Health, Education, Commercial, Industrial and the Private Sector.



## Sectors of Work

Private, Commercial, Industrial, Health, Education, Chemical, Pharmaceutical, Paper, Leisure, Construction, Water and Local and Government Authorities.

## Company Memberships

The company is approved by the following organisations, which verify the condition and standard of work carried out in the sectors and the industry we work in.

- National Inspection Council for Electrical Installation Contracting
- The Electrical Contractors Association
- Telecommunications Industry Association
- Fibre Optic Industry Association
- Constructionline
- North West Consortium
- Joint Industries Board
- Contractors Health & Safety Scheme
- Achilles
- Safe Contractor

## Case Studies

These case studies showcase the services that I.E.D. can provide and also a selection of projects that I.E.D. Installations has completed.

### Electrical

**We provide a full range of electrical, fire alarm and lighting services including HVAC wiring and cable management.**

### Voice / Data

**We provide an extensive scope of network design & installation, fibre optic backbone cabling and more.**

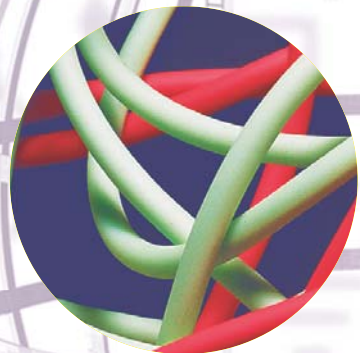
### Mechanical

**We offer a full range of mechanical services, including Air Conditioning, Sanitation & Plumbing.**

### Building

**I.E.D. also provide a list of professional building and refurbishment services.**

<http://www.ied-uk.com/services.html>





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**Construction**  
**Services**

## ROYAL LIVERPOOL HOSPITAL WARD DEEP CLEAN

- Project Value: £500,000.00
- Project Type: Internal Refurbishment
- Project Aim: Upgrade of Wards
- Project Completion: October 2013

## ROYAL LIVERPOOL HOSPITAL WARD DEEP CLEAN

IED were the successful bidder on an open tender process for the initial refurbishment project and due to performance were invited to negotiate subsequent phases. The wards were handed over with vacant possession, but access & egress for operatives & materials had to be gained through the fully functional hospital.

The works consisted:

- Internal demolition & strip out of existing finishes, fixtures & fittings
- Extensive plaster repairs to existing walls
- Installation of new bespoke clinical wash basins & sluice facilities on purpose made IPS panels
- Repair / replace doors & frames as necessary
- Supply & install new HTM64 compliant worktops & units to amenity rooms & nurse stations
- Install new door & wall protection
- Installation of new vinyl / non slip vinyl flooring throughout.
- Dry lining of existing walls
- Complete decoration throughout.
- Reinstall all Client fixtures & fittings

IED worked closely with the deep clean team to ensure partial handovers took place when necessary to ensure continuity of work and to achieve target dates for re-opening the wards for patient occupation.

## WARD DEEP CLEAN PROGRAMME



Upgrade existing wards to meet new clinical standards criteria







## I.E.D.Installations Limited - Construction Services



## ROYAL LIVERPOOL HOSPITAL WARD DEEP CLEAN



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### RLBUH HOSPITAL WARD 4Y

- Project Value: £407,000.00
- Project Type: Refurbishment
- Project Aim: Ward Conversion
- Project Completion: July 2015

### RLBUH HOSPITAL WARD 4Y

The brief was to completely change the existing clinical ward into a treatment and recovery area for cancer patients.

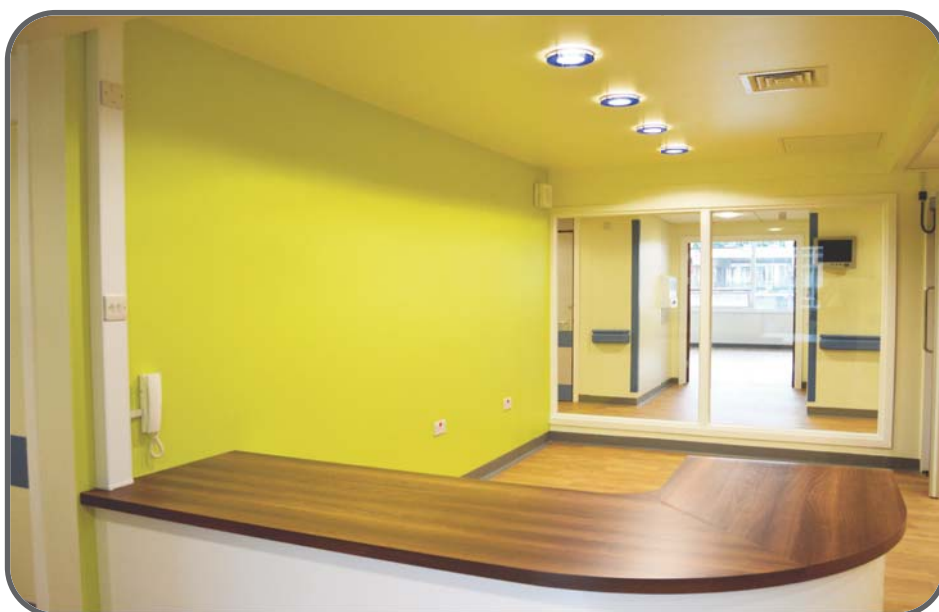
It was made very clear to us that the finished project was intended to put patients and relatives at ease during their treatment and aftercare and to this end we worked very closely with our designer to ensure the normal quite harsh environment of a clinical ward was softened which included the use of pastel colours and soft furnishings throughout.

The works consisted:

- Removal of existing suspended ceilings and installation of new feature ceilings throughout.
- Removal of existing flooring and installation of new throughout.
- Removal of existing lighting, power and data and replace with new including feature lighting to the new welcome area.
- Formation of new welcome area incorporating custom built reception counter and seating area for new arrivals.
- Formation of new relative's area incorporating new soft furnishings and refreshment area.

The Royal Liverpool and   
Broadgreen University Hospitals  
NHS Trust

### RLBUH HOSPITAL WARD 4Y PALLIATIVE CARE UNIT





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**RLBUH HOSPITAL WARD 4Y PALLIATIVE CARE UNIT**





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## DENTAL CHANGING ROOMS

- Project Value: £310,000
- Project Type: Refurbishment
- Project Aim: Basement Conversion
- Project Completion: September 2016

## DENTAL CHANGING ROOMS

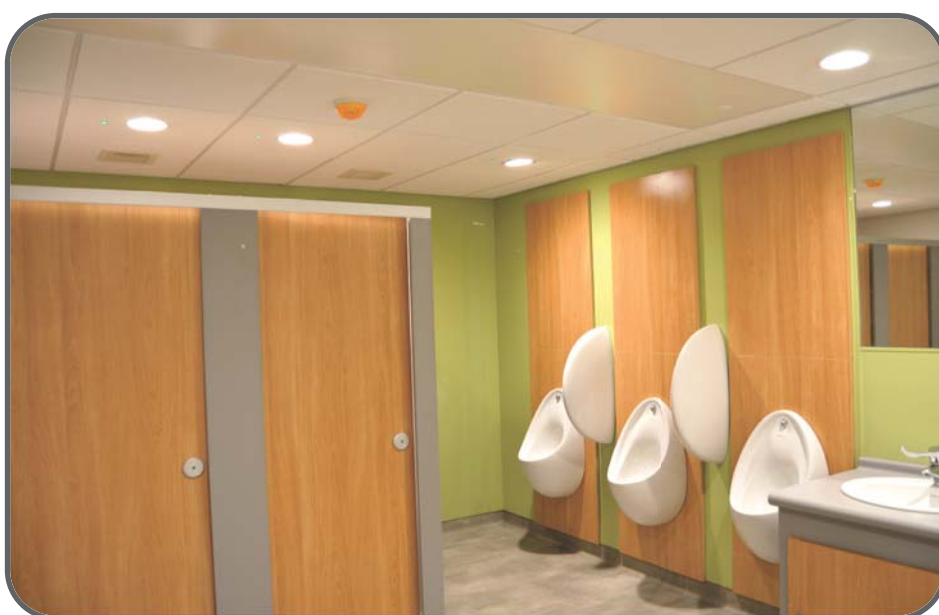
The brief was to completely refurbish the Male and Female changing and toilet facilities by removing all of the existing fittings including ceilings, cubicles, flooring, drainage, doors and frames, electrics and pipework.

During the existing vinyl floor removal we came across a major problem, the sub floor was found to be breaking up and had to be completely replaced which delayed the contract by two weeks.

We installed a new Ventilation and heating system, new toilet and shower areas complete with Male and Female lockers, new lighting and flooring were installed and both areas were completely decorated.

- Removal of existing suspended Ceilings and installation of new feature ceilings throughout
- Removal of existing flooring and installation of new damp proof throughout.
- Removal of existing lighting, power and data and replace with new including feature lighting to the Shower and bathroom areas
- Advanced heating and ventilation system installed due to its basement position
- Complete replacement of the underground drainage again due to its basement position

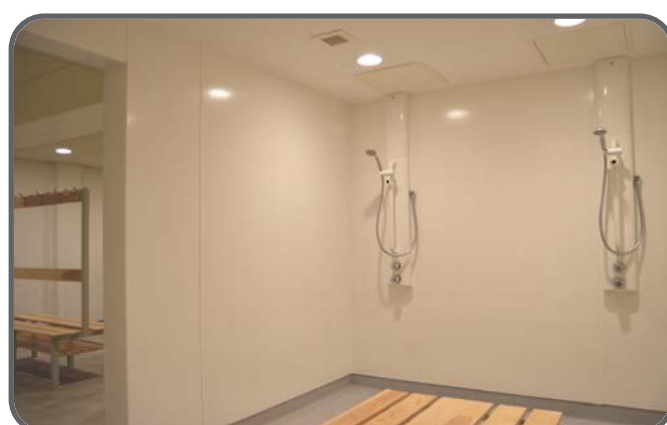
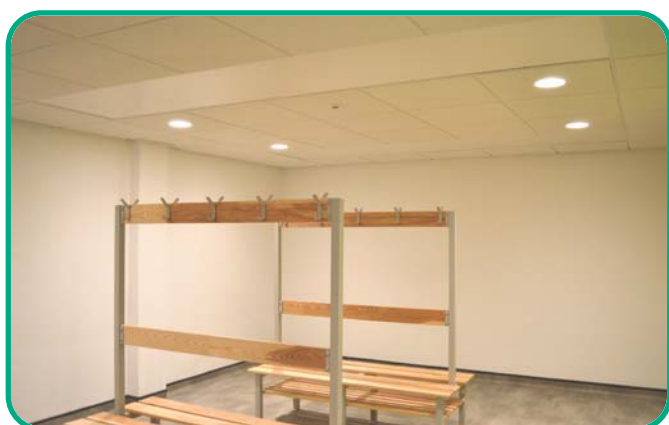
## DENTAL CHANGING ROOMS







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**RLBUH HOSPITAL WARD 4Y PALLIATIVE CARE UNIT**



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### RLBUH HOSPITAL WARD 7X

- Project Value: £305,000.00
- Project Type: Refurbishment
- Project Aim: Ward Upgrade
- Project Completion: May 2014

### RLBUH HOSPITAL WARD 7X

The brief was to completely refurbish the existing ward and upgrade the facilities to create a High Dependency Unit (HDU) which included structural alterations, major m&e re-fit, new flooring and suspended ceilings.

The works consisted:

- Complete strip out of lighting, power, data and sanitary ware
- Removal of existing suspended ceilings and flooring
- Formation of new single bed rooms
- Formation of walk in showers
- Installation of new suspended ceilings and flooring
- Installation of new oak veneered doors throughout
- Complete re-decoration

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Broadgreen University Hospitals  
NHS Trust

### RLBUH HOSPITAL WARD 7X HIGH DEPENDENCY UNIT







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**RLBUH HOSPITAL WARD 7X HIGH DEPENDENCY UNIT**



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#### ROYAL LIVERPOOL HOSPITAL POSTGRADUATE DENTAL

- Project Value: £106,000.00
- Project Type: Refurbishment
- Project Aim: Upgrade Student Facilities
- Project Completion: September 2014

#### ROYAL LIVERPOOL HOSPITAL POSTGRADUATE DENTAL

The brief was to convert three existing rooms into a large study space, this involved the removal of internal brick walls and ceilings and the installation of air conditioning and specialist lighting.

Multiple study benches were fitted and these were wired for both power and data.

New flooring, suspended ceilings and decoration completed the refurbishment.

This work was carried out adjacent to a very busy corridor and special attention had to be paid to the safety of the Dental staff.

The works consisted:

- ❑ Removal of all existing fittings and internal brick walls
- ❑ Removal of existing suspended ceilings and Installation of new suspended ceilings throughout
- ❑ Removal of existing lighting, power and data
- ❑ Installation of new lighting, power and data
- ❑ Installation of new flooring throughout
- ❑ Installation of new custom made work benches and full decoration
- ❑ Installation of new individual lockers
- ❑ Installation of wall mural depicting Liverpool Waterfront

#### ROYAL LIVERPOOL HOSPITAL POSTGRADUATE DENTAL







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## LIVERPOOL HEART & CHEST HOSPITAL

- Project Value: £34,500.00
- Project Type: Internal Refurbishment
- Project Aim: 3 New Consultant's Offices
- Project Completion: Sept 2012

## LIVERPOOL HEART & CHEST HOSPITAL

IED were appointed as the main Contractor for the refurbishment works upon conclusion of a formal tender process. The works were undertaken in the administrative wing of a 'live' hospital in accordance with the strict safety protocols demanded by such an environment.

The works consisted:

- Electrical & mechanical service isolations.
- Internal demolition & strip out of existing finishes.
- Complete overhaul of existing sliding sash windows
- Construction of new internal partitions & dry lining.
- Upgrade existing heating system
- New lighting, power & data to suit new configuration
- New internal doors, frames, architraves & skirtings.
- New internal doors, frames, architraves & skirtings.
- New suspended modular ceilings.
- New floor finishes throughout..
- Decoration

IED also installed new office fixtures & fittings, shelving, storage and new blinds.

## LIVERPOOL HEART & CHEST HOSPITAL



Liverpool Heart and Chest Hospital **NHS**  
NHS Foundation Trust





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## ROYAL LIVERPOOL HOSPITAL HR DEPARTMENT

- **Project Value: £49,800.00**
- **Project Type: Internal Refurbishment**
- **Project Aim: Upgrade Existing Offices**
- **Project Completion: October 2013**

## ROYAL LIVERPOOL HOSPITAL HR DEPARTMENT

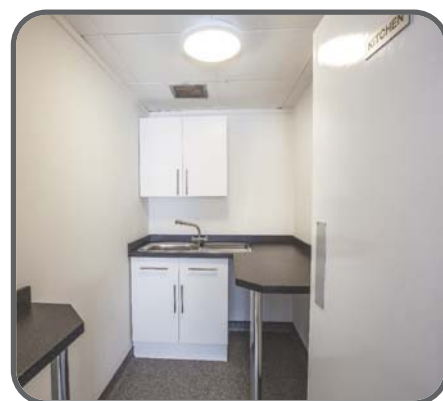
IED successfully negotiated a fast track internal refurbishment project for the existing HR department on the basis of competitive costing and delivery capability.

The works consisted:

- Isolation of light, power, data and alarm systems.
- Internal demolition & strip out of existing finishes, fixtures & fittings
- Removal of existing modular ceilings
- Plaster repairs to existing walls
- Full rewire of existing lighting system & installation of new CAT 2 luminaires
- Install new kitchen to HTM 63 & 71 standards
- Repair / replace doors & frames as necessary
- Install new modular grid ceiling
- Install new vertical blinds
- Lay new carpet / vinyl flooring throughout

Upon handover IED worked closely with the department to install additional small power & data requirements to suit the new office layout.

## REFURBISHMENT OF HR OFFICES







## I.E.D.Installations Limited - Construction Services



## ROYAL LIVERPOOL HOSPITAL HR DEPARTMENT



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### ROYAL LIVERPOOL HOSPITAL MORTUARY

- Project Value: £20,000.00
- Project Type: Refurbishment
- Project Aim: Upgrade of Facilities
- Project Completion: September 2014

### ROYAL LIVERPOOL HOSPITAL MORTUARY

The brief was to upgrade the existing shower and changing rooms used by pathologists and mortuary staff, the existing showers and toilets were removed, new non slip flooring was fitted, New partitions were installed and these were covered with Altro Whiterock for ease of cleaning. New lighting, shower trays, toilet fittings and decoration completed the refurbishment.

The works consisted:

- Removal of existing shower fittings and partitions
- Removal of existing flooring
- Installation of new partitions
- Installation of new oversize shower trays
- Installation of pastel Altro wall covering
- Installation of new shower fittings
- Installation of new non slip flooring throughout
- Installation of new upgraded lighting

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Broadgreen University Hospitals **NHS**  
NHS Trust

### ROYAL LIVERPOOL HOSPITAL MORTUARY







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### THE LINDA MCCARTNEY CENTRE

- **Project Value: £18,000.00**
- **Project Type: Internal Refurbishment**
- **Project Aim: Office Conversion**
- **Project Completion: August 2013**

### THE LINDA MCCARTNEY CENTRE

IED were the successful bidder on an open tender process for the refurbishment project. The works were carried out in the main reception area, ground & 1st floor offices, the building had to remain fully functional throughout.

The works consisted:

- Electrical & mechanical service isolations.
- Internal demolition & strip out of existing workstations
- Infilling of existing & formation of new door openings
- Dry lining of existing walls
- New CAT 2 lighting, power, data & TV to suit new desk configuration
- Convert existing store into cleaners room including new plumbing
- New bespoke internal doors, frames, architraves & skirtings
- Alter / adapt existing workstations / base units to suit new layout
- Carpet floor to new offices
- Decoration throughout

IED also provided new blinds & undertook localised repairs to the suspended ceilings.

### LINDA MCCARTNEY EDUCATION CENTRE



  
**The Linda McCartney Centre**  
caring - learning - sharing



# **Main Services**

## **Electrical:**

- Design and consultation
- LV distribution and earthing
- General lighting
- Emergency lighting
- LV power
- Fire alarms
- Cable management
- Generator and UPS setups
- HVAC wiring
- Hazardous areas installations
- Lightning protection

## **Data:**

- Network design and installation
- Category 5e/Category 6 structured cabling
- Category 5e/Category 6 termination
- Testing & certification
- Fibre optic backbone cabling, Singlemode and Multimode
- Fibre optic, termination, testing and certification
- Cabinet/Rack/Mux/arrangements
- Active equipment, design installation and programming

## **Voice:**

- Distribution cabling internal/external
- Line wiring circuits and outlets
- DDF coax installation
- T/JF design installations
- Installation/maintenance of stand-alone voice and data switches
- Installation/maintenance of integrated telephony networks
- Line and switch fault finding and inspection
- UPS arrangements

## **Electrical Testing & Inspection:**

- 17th Edition Fixed Wire Testing
- Earth electrode/lightning protection
- Petroleum licensing inspections
- Entertainment licensing inspections
- Emergency lighting inspections
- Hazardous area inspections
- RCD testing
- Electrical installation inspections

## **Access Control/CCTV:**

- Door access
- Video access
- Intercom
- Panic alarms
- Static cameras
- Pan and tilt cameras

## **Construction Services:**

- Flooring
- Refurbishment
- Structural
- Partitioning
- Joinery
- Painting
- Plastering
- Plumbing

## **Mechanical:**

- Plumbing
- Sanitation
- Heating and ventilation
- Air-Conditioning
- Pump installation
- Boiler installation



## **i.e.d installations limited**

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