



## I.E.D. Installations Limited

**Committed to  
Service**

### UNIVERSITY OF LIVERPOOL FROLICH LIBRARY

- Project Value: £48,000
- Project Type: Refurbishment
- Project Aim: Frolich Library Upgrade
- Project Completion: July 2024

### UNIVERSITY OF LIVERPOOL FROLICH LIBRARY

IED Installations Group successfully secured the scheme as a Preferred Contractor for the MEP Refurbishment of the Original Frohlich Library Suite.

The planned project at UoL Mathematical Science Building, proposes to convert the former library, at first floor level, into cellular offices/meeting space. The proposed new rooms are within a fully occupied academic building, and therefore consideration needs to be given, for the execution of the works.

This case study describes the mechanical, electrical and public-health (MEP) requirements, to be carried out during the refurbishment works. The refurbishment works include the complete stripping out of the following services within the existing former library, Lighting, Emergency lighting, Small power and Heating system.

The refurbishment's MEP works include the retention & modification as required of the following:

Data points,

Retain the existing LV distribution board and connect all sub circuits back into the boards.

The refurbishment works included the new installation of the MEP systems, including Lighting, new LED luminaires, (suspended LED linear in offices and corridor wall mounted lighting in corridor), plus provision of new emergency lighting, Small power, generally mounted on new dado trunking, all circuits replaced and modified to suit.

Continued overleaf...

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Data – installation of new CAT6A data outlets,

Ventilation – New MVHR ventilation to office with no natural ventilation.

New mechanical ventilation to internal office (by replacing one existing rooflight with a penthouse louvre to accommodate ventilation, plus heating – New LTHW radiators connecting to existing heating circuit.

The Programme ran for 4 weeks agreed with the trust and coordinated in line with the traffic management.

We coordinated directly with Sigma Architects & the Trust to deliver:-

- ❑ New Containment.
- ❑ Existing Circuit Modifications for small power & Lighting.
- ❑ New Cat6A Data.
- ❑ New heating(radiators) installed inc new pipework.
- ❑ New Ventilation.
- ❑ New General & Emergency Lighting.
- ❑ Electrical Decommissioning of the original Wiring to extend the Sub Circuits to new locations within the offices.
- ❑ Electrical Testing and Commissioning.



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