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I.E.D. Installations Limited

Committed to Service

HUYTON LIBRARY DECARBONISATION UPGRADE

- **Project Value: £385,000**
- **Project Type: Building Upgrade**
- **Project Aim: Decarbonisation**
- **Project Completion: April 2022**

HUYTON LIBRARY DECARBONISATION UPGRADE

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The Programme was a 12 Weeks Turn round relating to new council funding to upgrade the carbon foot print as a trail across 3 nr existing sites, namely Huyton Library, River Alt Recourse Centre RARC & the National Wildflower Park Court hey Huyton. All IED Sub Contractors & Operatives completed DBS Assessments to work within the Library as the Building maintained their events schedule whilst remaining open to the General Public.

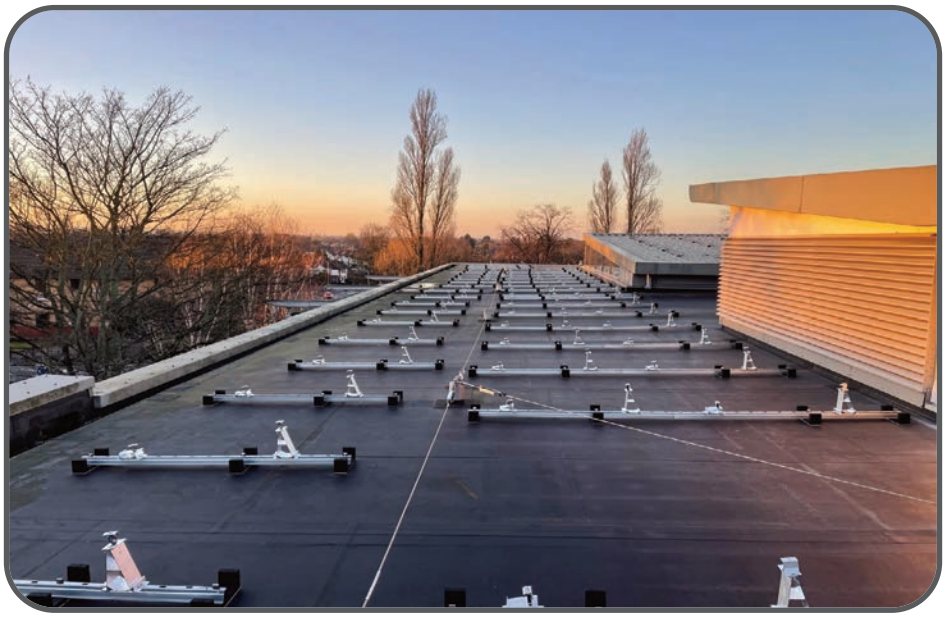
The Council entrusted IED to Carry out the Load Assessments for each building to commence with the design and coordination to Upgrade the Buildings to achieve the maximum carbon efficiency to each building this in turn impacted on 3 systems:-

- Electrical Lighting LED Upgrade
- Mechanical Heating system to incorporate both Air Source Heating & New Radiators
- New Photovoltaic Roof Panels

We coordinated directly with the Council Design Teams for:-

- Mech Drain down & System field modifications for the current heating system and new Mechanical Design
- BMS and Trace Heating Controls for the Heating system
- Electrical Break in and Testing to integrate the existing lighting control system to a new "self-Test" system
- Internal Earthing assessments at the origin for Bonding for the new PV connected back to the original earthing for energy transfer

Continued Overleaf...



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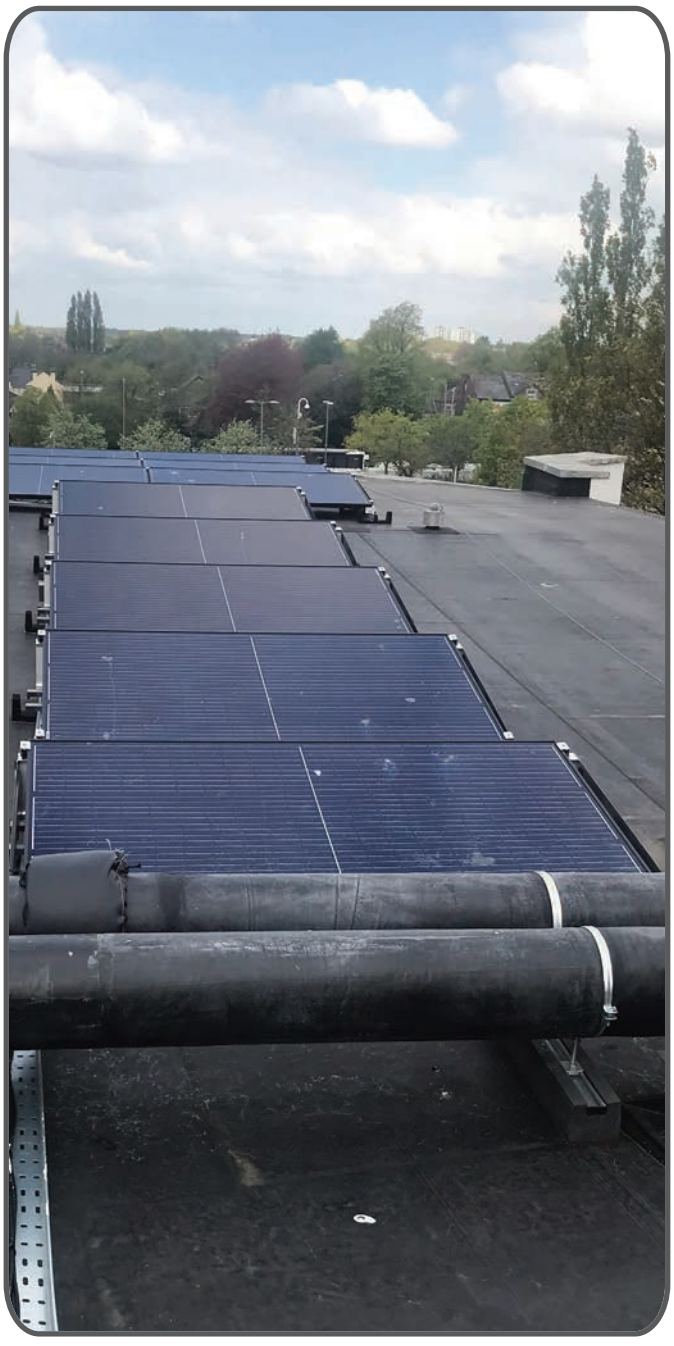
- All Framework & Load Assessments of the Roof at the Library and Design Coordination for the PV panels and field containment, again with agreed Client design
- DNO Direct Network Operator Application direct for our client for the PV Generation
- Lifting & Traffic Management of the local area
- Asbestos Assessments and disposal of the existing systems in conjunction with Council



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