

Background

2 Upperton Road, Leicester is just 10 minutes' walk from De Montfort University campus and 25 minutes' walk to the University of Leicester. In 2012, Leicester City Council directed that a planning application be submitted for the demolition, extension or alteration of the old buildings at 2 Upperton Road. It was a condition of planning that the new buildings source 14% of their total energy requirement from renewable sources. Some buildings were demolished and new premium student accommodation constructed in its place. Other buildings were renovated.



Clearpower Solution

Installation of a fully funded system for Jamie Lewis Residential split over two buildings:

- 1) A **55kWp** flat roof system on a new build student accommodation block. The system comprised of 220 no. 250W polycrystalline solar modules (Tier 1 Q. Pro), connected to 5 no. inverters (1 no. IBC 10000TL, 2 no. 20000TL) and mounted using the IBC Aerofix system.
- 2) A **41kWp** system on a pitched slate roof of a renovated Victorian railway building. The building was converted into a communal gym, cinema and site office accommodation. The system comprised of 164 no. 250W polycrystalline solar modules (Tier 1 Q. Pro), connected to 1 no. inverter (32000m Solarmax) and mounted using the IBC TopFix 200 mounting system and a specialist solar slate flashing.

Benefits

- Meets the planning requirement of having 14% of its total energy from a renewable source
- Fully funded with no capital cost to the client
- Long term operational savings from a fuel free sustainable source
- Availing of the Feed-in Tariff (FiT), providing a separate income stream
- Significant reduction in the buildings carbon footprint