



RE:FIT Projects Tranche 1: Bedford Central Library – Solar Photovoltaic Panels



Background to the RE:FIT programme

Bedford Borough Council is working in partnership with Mitie to install a series of energy conservation measures and renewable energy technologies in a number of Council buildings. Mitie guarantees the energy and carbon savings to be achieved over the lifetime of the energy performance contract.

One of the sites in Tranche 1 of the RE:FIT programme is Bedford Central Library.

Project Details

Solar photovoltaic panels (solar PV) have been installed on the flat roof of Bedford Central Library. This 9.87kW system maximises the available roof space across 2 arrays on the plant and office roofs and comprises of 42 panels rated at 235W each.



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Savings

It is estimated that the system will generate 7,600kWh/annum, saving approximately 3,800kWh/annum in electricity. The income from the FIT will generate around £1,170/annum and the project will save 2,000 kgCO₂/annum.