



**PROJECT**

FREE SOLAR PV INSTALLATIONS ACROSS CAMDEN STREET PROPERTIES

**CLIENT VALUE**

CAMDEN COUNCIL  
£15M



**BACKGROUND**

The UK's renewable energy strategy aims for 12% of heat to come from renewable sources (it's currently under 5%).

50% of all our energy is used for heating and hot water, and 75% of domestic households' energy consumption is for heating and hot water.

It is estimated that 30% of our electricity may be delivered from renewables with 2% from small-scale electricity generation.

Camden Council is one of the first London boroughs to tackle the problem, and at the same time help resolve the issue of rising electricity costs. The initiative comes at a time when many householders are struggling to keep up with the electricity price hikes.

**FREE SOLAR PV INSTALLATIONS FOR CAMDEN**

Camden Council has appointed Lakehouse as sole contractor to carry out its first free photovoltaic (PV) installation programme.

The high profile contract will see PV installations in around 1,200 suitable homes in various parts of Camden, at no cost to Camden Council or its residents.

**SUITABILITY**

Not all homes are suitable for PV installation. Adjacent buildings, chimneys, roof lights and nearby trees can all affect suitability. Best results are achieved on homes with roofs facing predominantly south with a pitched roof between 27 and 42 degrees. PV can be successfully installed on a flat roof as there is much scope for ideal orientation.

**LAKEHOUSE'S CREDENTIALS**

Lakehouse is an award winning support services provider and one of the top three solar PV installers in Greater London, Microgeneration Certification Scheme (MCS) accredited, and an approved installer of PVs.

The MCS is an internationally recognised quality assurance scheme which demonstrates a commitment to meeting rigorous and tested standards. It provides a mark of competency and peace of mind for clients and end users who want assurance that Lakehouse can install PV systems to the highest quality every time.





The contract will create employment and training opportunities for local people, through the Building Lives Training Academy

## WHAT IS A SOLAR PV SYSTEM?

Most electricity is generated by burning fossil fuels. This releases carbon dioxide and other gases into the atmosphere, which contributes to climate change.

A solar PV system is one which converts light directly into electricity via the roof, with no waste and no emissions. This electricity is used throughout the building in the same way as the electricity currently purchased from an energy supplier.

Harnessing the sun's energy and converting it into electricity reduces fuel bills and at the same time reduces daily impact on the environment.

## THE SERVICE

Lakehouse will be responsible for surveys, financing, installation and maintenance of solar PV systems in order to generate green electricity.

The contract enables Lakehouse to use the roof spaces of selected properties to generate solar electricity and secure financial benefits through the sale of electricity to the grid.

The service is split into two phases:

### Phase 1

Property survey for suitability of PV system, design, supply and installation (1 September 2011 - 31 March 2012)

### Phase 2

Operation and maintenance of the PV system for a 25 year contract period (1 April 2012 - 31 August 2037)

## FUNDING FOR THE PROGRAMME

The investment in this programme is valued at £10 - £15million. Lakehouse has in place funding for 100% of the capital outlay costs and 100% of the operation and maintenance costs over the 25 year contract period.

## BENEFITS FOR ALL

There are numerous benefits for Camden Council, the local community and the environment. The good news is that, thanks to Lakehouse, it's not costing Camden Council or its residents a penny.

Other benefits include:

- The creation of free electricity will generate income for Camden Council throughout the 25 year term of the contract.
- Lakehouse will provide training and employment opportunities, including apprenticeships, for local people via the Building Lives Training Academy at Arlington House.
- With the ever increasing costs for electricity, residents will enjoy reduced electricity bills, by utilising the renewable energy generated by their own PV systems.
- Reduction in carbon dioxide (CO<sub>2</sub>) emissions.
- The PV systems will showcase renewable technology to others in the local community.