



Tileform UK Ltd

SOCIAL SOLAR SOLUTIONS



Photo Voltaic Solutions for the Modern Society
Sustainable Legacy through Intelligent Investment

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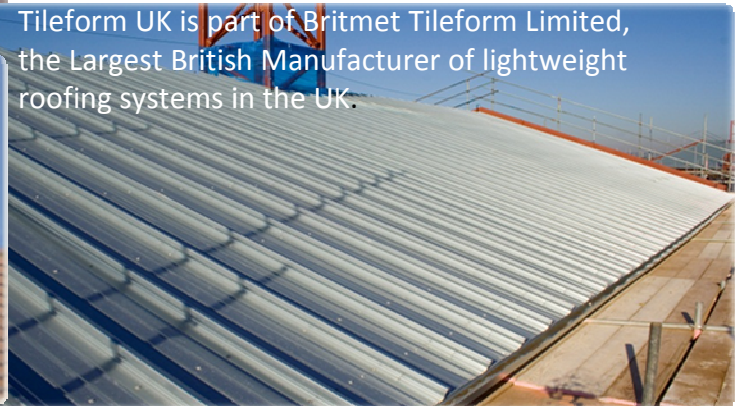
A complete building envelope solution



Company profile

Tileform UK is a leading British manufacturer, offering a wide range of products and systems for the Roofing and Cladding Industry. Our comprehensive product range includes built-up metal wall and roof systems, roofing Systems & structural support systems. We also supply a wide range of accessories from standard flashings through to bespoke fabrications. From technical advice at the start, or during a project, to careful order processing, through to delivery where and when you want it - Tileform UK will help ensure that your project runs smoothly and cost effectively.

Tileform UK is part of Britmet Tileform Limited, the Largest British Manufacturer of lightweight roofing systems in the UK.



Suite of Services for Solar PV

From Conception to Completion

- 1.Desktop surveys and budget costs
- 2.Yield calculations with revenue return
- 3.Planning application
- 4.Structural requirements
- 5.Liaise with District Network operator
- 6.Installation team framework

For Large scale installations

We also work alongside three of the largest consultants in the UK and can take care of the whole install programme including,

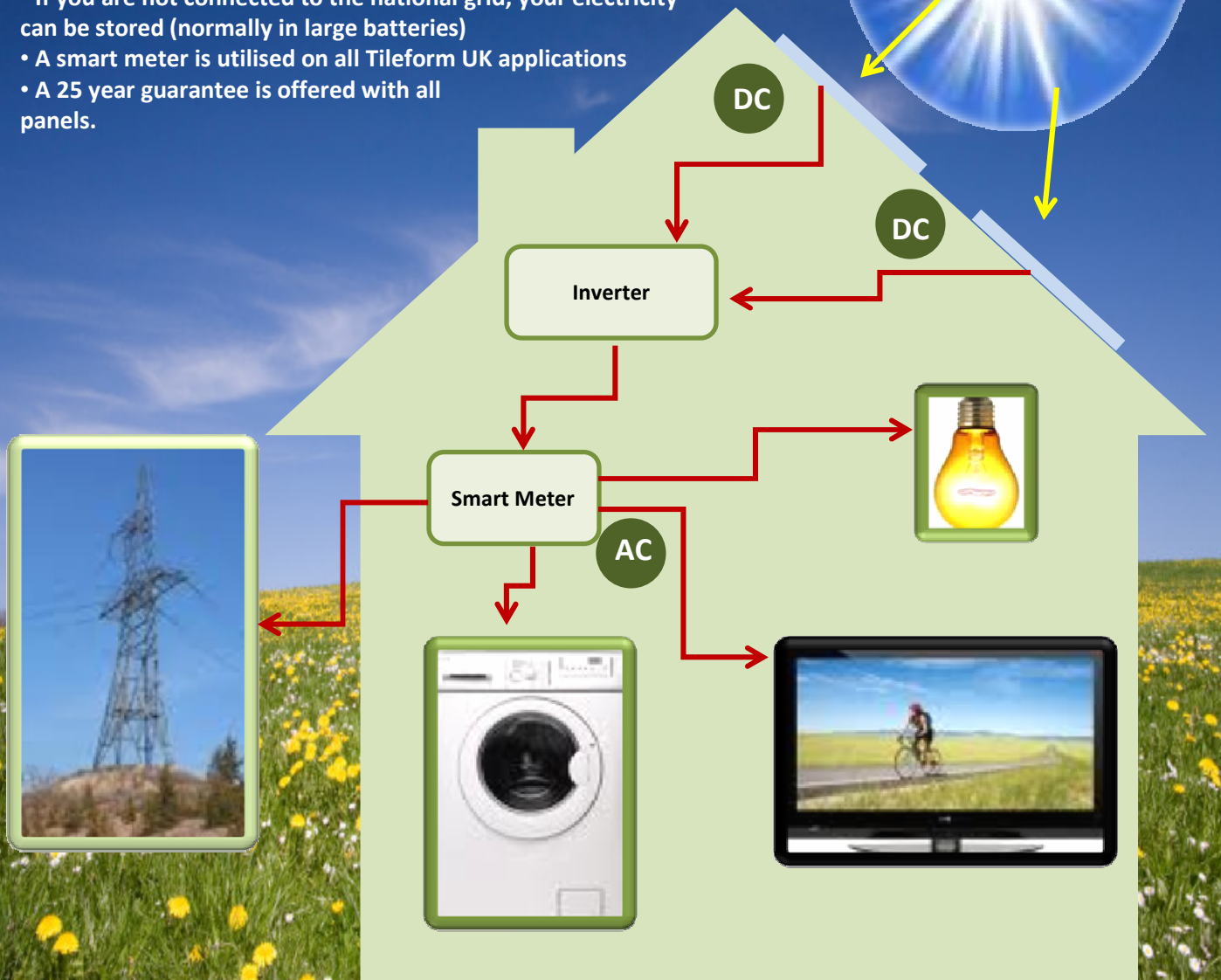
- Contacting Residents
- Project management
- Site surveys
- Energy advising to Residents



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How does Photo Voltaic work?

- The PV panels generate a direct current (DC) which flows into a box called the inverter to create an alternating current (AC)
- AC is used by electrical appliances in the home. The AC flows from the inverter to the smart meter and the electricity will flow straight to the electrical appliances being used.
- If you do not use the electricity, this will flow to the national grid and will enable someone else to use the electricity (home generation), and you are paid for any surplus energy you generate.
- If you are not connected to the national grid, your electricity can be stored (normally in large batteries)
- A smart meter is utilised on all Tileform UK applications
- A 25 year guarantee is offered with all panels.





Feed in Tariff

Clean Energy Cash Back Scheme

In recent years Photo-Voltaic panels have been an expensive installation resulting in extended Payback periods. However the introduction of Feed in Tariffs now creates an inevitable link between Sustainability and Profitability.

Feed In Tariff

The Feed In Tariff is guaranteed for 25 years and will be paid by all electricity providers. Therefore the property owner is not restricted to buying from one particular supplier and is still able to approach the market for "Best Value".

- 1). All electricity generated by our PV System will earn the appropriate payment from the Electricity Provider up to 43.3p per unit.
- 2). All electricity "Exported to the Grid" will earn a "Bonus" of 3.0p per unit.
- 3). All electricity used on the property will be Free of Charge which will save somewhere in the region of 13.0p per unit.

Depending on the type and size of the installation and consumption patterns each property should be able to earn approximately 50p per unit generated.

It is important to remember that the Feed in Tariff values will decrease year on year from March 2012 onwards.

Feed in Tariff Calculator

There are several Feed in Tariff calculators available from various sources including the Energy Savings Trust and alternative suppliers. Our Returns and Finance Spreadsheet has been developed along side Lombard and has been tasked with providing Robust Assessments of the possible outcomes.

The spreadsheet has been established to ensure that the Client has the opportunity to adjust the relevant figures to suit his or her own requirements. This allows SSS to remain completely impartial whilst the Client achieves the most suitable option for their business model. Spreadsheet available on request.

Therefore the installation of a PV system on to either existing or new build properties will reduce Electricity Costs, reduce Carbon Emissions and generate a substantial Long Term Income.

The Photo-Voltaic market in the UK is relatively young and is viewed by some with a degree of caution. However the Technology is well established and tried and tested, requires minimal maintenance and is guaranteed to generate electricity for 25 years.

Social Solar Solutions is already providing best practice, scales of economy and unrivalled experience within this sector and therefore enhanced profitable returns.

The Governments' carbon reduction targets will inevitably increase pressure on all of us to prove Carbon Reduction. Therefore PV panels are ideally positioned to provide these reductions before we are all subject to Government Legislation.

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Retrofit PV systems for Slates and Tiles

Individual Homeowners

A reasonable sized installation for a “3 bedroom home” would be approximately 2.2kw. This installation would generate an income somewhere in the region of £1000 per year and an overall profit in the region of £20,000.

The same installation will create **Carbon Reductions** of approximately **1 tonne per year**.

As an individual homeowner these figures create an ideal opportunity to help save the environment and secure future electricity costs.

Housing Associations / Developers

On 1st October 2010 the same potential returns were made available to Housing Associations and similar organisations. Installation of these PV units on individual properties enables Landlords to create cost savings and energy security on behalf of Residents.

Considering the quantity of properties suitable for this type of installation it is possible for Housing Associations to show a very positive impact regarding Carbon Reductions



Finance Options

The capital cost of solar PV system can be prohibitive and this initial capital outlay forms the basis of any business case. We are pleased to be able to arrange financing facilities to enable social landlords and public sector organisations to overcome this obstacle and spread the costs over time. Our Lease or HP Solution can be structured so that the payments are matched as closely as possible to the feed in tariff revenues for minimal financial impact. Supported by Major UK and European banks, our Customer Finance Solution allows costs to be minimised and spread over a number of years enabling customers to preserve critical budget and capital reserves and deploy them in other areas of business or service delivery. Finance subject to credit status, contract and formal underwriting approval.

Features

- **Feed-in Tariff revenues** - these are not assigned and are paid direct to the customer and not the finance company
- **Term** - finance available from 3 to 12 years
- **Tailored payments** - monthly, quarterly or annual charges with flexible payment profiles if required to meet index-linked feed-in tariff income
- **Fixed payments** - no changes in payment amount irrespective of tax or interest rate changes
- **All costs covered** - design, equipment, installation, grid connection and commissioning
- **Total budget** - additional costs can be incorporated where other renewable technologies are being implemented
- **Project finance** - costs of multi-site installations over a period of time can be managed without budget impact

Benefits

- An easy way to acquire a solar PV system immediately without the capital outlay
- Cash reserves protected
- Budgets managed, extended or protected as costs are spread over time
- Fixed cost certainty for better cash flow management

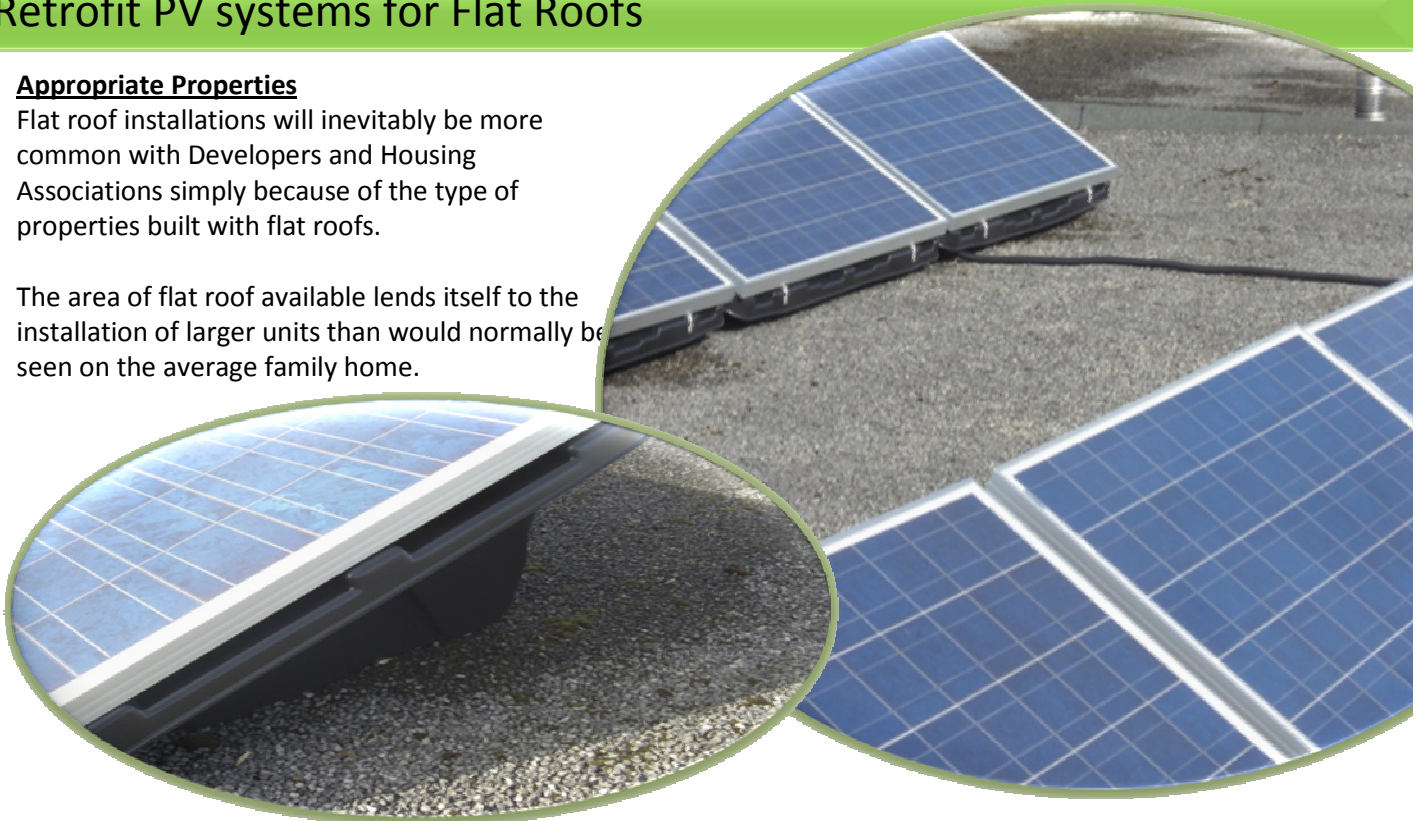


Retrofit PV systems for Flat Roofs

Appropriate Properties

Flat roof installations will inevitably be more common with Developers and Housing Associations simply because of the type of properties built with flat roofs.

The area of flat roof available lends itself to the installation of larger units than would normally be seen on the average family home.



Housing Associations / Developers

Due to the potential sizes and ease of installations, flat roofs present an ideal opportunity for Landlords and Developers to create a PV programme to provide a multi-faceted solution.

Commercial Cost Management

The installation of a PV system on to existing blocks of flats will enable Landlords to reduce electricity costs relevant to all communal areas and associated electricity requirements including additional options on behalf of tenants such as Car Charging, etc..

Energy Security

A guaranteed period of 25 years of electricity production will achieve Energy Security for the Landlord which in turn will enable the Landlord to keep future rent payments low on behalf of all Residents.

Corporate Social Responsibility

As we all know the use of PV panels reduces Carbon Emissions. Therefore the additional bonus of implementing a scheme of this nature is the inevitable kudos and invaluable PR Exposure created from such a substantial Environmentally Friendly Project.

Commercial Returns

Installing larger systems with a higher percentage of return on investment, enables the Landlord to generate greater returns on investment, which in turns enables greater investment on behalf of Residents.



Retrofit PV systems for Commercial Properties

Commercial Opportunity

The opportunity to benefit from the Feed in Tariffs is not limited to Property Developers or Housing Associations. Inevitably most commercial buildings are consuming the bulk of their electricity at the very time that the PV panels are generating. Therefore the opportunity exists to maximise the Feed in Tariff structure to generate maximum profits from the scheme. Additional benefits are automatically generated as follows.

- Carbon Reduction
- Corporate Social Responsibility
- Public Relations / Kudos
- Energy Security
- Commercial Cost Management
- Return on Investment
- Future Profit Streams
- Positive Legacy

PV systems for New Build Developments

Modern Construction Practice

Availability, economy and social responsibility dictates that New Build Projects should be considering the implementation of substantial PV installations. There is no doubt that potential buyers would prefer to benefit from the advantages and Positive Legacy of PV performance :-

- Value of property
- Reduced Carbon Emissions
- Potential Immunity from future regulations
- Energy Security
- Commercial Cost Management

Modern Construction Methods

The opportunity to design and build a project with a PV installation as part of the very fabric of the building allows the Developer to benefit from the advantages of Modern Construction methods.

- Speed of Installation
- Smart Meter
- Modern Performance
- Economic Installation
- Range of Applications
- Return on Investment



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Product Range

Strip Tiles

Eaves to Ridge Tiles

Tactray 90 Structural Support System

Tactray 90 Structural Ceiling

Tactray 90 Suspended Ceiling

“BritSpec” Design Team Software

Rainwater Goods

Architectural Trims

Bespoke Flashings

Photo Voltaic Solar Panels

For further information on any of the products and services we offer please contact us in one of the following ways –



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Due to a policy of continual product development, Tileform UK reserves the right to alter any of the specifications given in this publication without prior notice. The specification for any given application must be checked with Tileform UK prior to manufacture. No responsibility for accuracy is accepted by Tileform UK.