

# newsletter

Cambridge, November 2007

Dear friends,

We're really excited to let you know about recent developments at Viridian Solar. We have achieved a British Board of Agrément (BBA) certification for the Clearline range of solar water heating panels, not only a first for solar, but the first for any renewable energy technology. Other highlights include some excellent projects of significant scale, and our first export sales to the Netherlands and Sweden. We are also pleased to announce collaborative partnerships with the National Federation of Roofing Contractors and Inspace Partnerships.

Stuart Elmes,  
Managing Director, Viridian Solar

## First Ever BBA Approval for any Renewable Energy



Greg Cooper, CEO of the BBA  
with that bloke from Viridian

Solar water heating took another step towards mainstream use with the news that Viridian Solar has achieved the first ever BBA approval for a solar panel. In common with other high quality systems, the Clearline solar panel has been tested to the European standard, EN 12975, a test of the efficiency and durability. However, the European standard does not consider the interface between the solar panel and the building it is on. In a step that will reassure developers and their insurers, Viridian has worked together with the BBA to devise a more rigorous testing regime that covers the weather tightness, durability and fire safety of the installed system.



[download the certificate](#)

## Partnerships



Inspace Partnerships has selected Viridian Solar as its preferred supplier of solar water heating, and the two companies have entered into a Partnering

Charter. Inspace build in excess of 1,700 new dwellings each year for social landlords, and expects the Code for Sustainable Homes to make low carbon technologies such as solar a requirement for many projects.



## Coals to Newcastle

Sweden and the Netherlands are seen as leaders in environmental sustainability in the built environment. News that Viridian Solar is exporting to these two countries will surely enhance their reputations as discerning users of environmental technology.



Viridian has entered into joint-ventures with Helios Energie for Benelux and Warm EC for Norway, Sweden, and Finland.



## Active Roofing



Viridian has always advocated the separation of roofing and plumbing tasks in the installation of solar water heating. Clearline solar panels are designed to enable this to happen in a way that slots seamlessly into the build programme. A reduced fitted cost and a single

subcontractor responsible for the weather-tightness of the roof make Clearline an attractive choice for developers compared to other solar systems that require plumbing connections to be made on the roof.

Now, research from the European Commission showing that 20% of solar installations have caused roofing problems, has resulted in a programme to train roofing contractors to install renewable energy, rather than asking plumbers to work at height on the roof.

Viridian Solar has been pleased to support this initiative in the UK by linking up with the National Federation of Roofing Contractors Ltd (NFRC) to help develop a new training course for its members.



People interested in attending the course should contact Debbie Simcock at the NFRC  
debbie@nfrcltd.co.uk

featured projects



# newsletter

## Featured Projects

### Countryside Properties, Chatham Maritime, Kent

A target for 10% renewable energy generated on site has been met with 3 sq m Clearline solar water heaters on all 62 new houses in the development. Carbon emissions reduction 15 tonnes/year.

### Hanover, D'Arcy House, Dagenham

An Extracare block of 36 flats will reduce its carbon dioxide emissions by 6.75 tonnes a year due to a communal heating system augmented with an array of 26 Clearline V30 solar panels (78 sq m). [case study](#)

### Places for People Group, McCutcheon Court

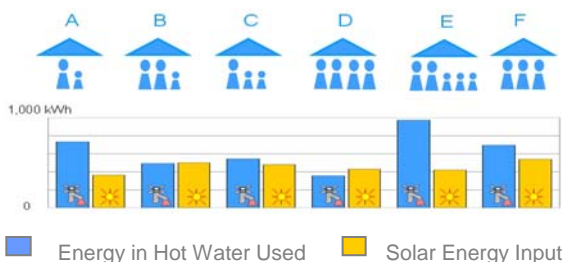
An "Ecohomes excellent" development of 65 houses at Walker Riverside in Newcastle. Clearline solar panels of 3sq m area are being fitted to 61 of the homes with good roof orientations. Carbon emissions reduction 11 tonnes/year.

## Real-life Performance Data

The micro-renewables industry has a reputation for well-meaning but over-optimistic or best-case claims for product performance. Viridian Solar

has set itself the challenge of going further to provide credible, realistic and independent evidence of the performance of its products. A test rig to measure performance in a "disinterested" or non-optimising household has completed its 12 month simulation and results can be seen on the website. [\[CLICK HERE\]](#)

Since January 2007, in partnership with Places for People Group, Hastoe Housing Association, and the Building Research Establishment (BRE), Viridian has been monitoring the benefits from solar installations on six houses in two locations: Sheffield and Haverhill.



Data from six months of monitoring has been collected by the BRE, covering a seasonally representative half year (although the wettest summer for a century).

A case study with more information and analysis of the six months' data can be viewed on the web site. Click the button to connect. [case study](#)



Roofing contractor installing Clearline V30 at Chatham Maritime.

September 07



78 sq m communal array of 26 Clearline V30 solar panels at D'Arcy House.

July 07



Local primary school visits new housing project at McCutcheon Court, to learn about solar panels and renewable energy

October 07

**CPD** Viridian Solar has developed a training seminar on solar heating. A number of architects practices, mechanical services consultants and development teams have already benefited from lunch-time seminars.

Topics covered include:

- How Solar Thermal Works
- Different Types of Solar Panel
- Integration with the Building Envelope
- Integration with Heating Systems
- Accreditation and Testing
- Case Studies



There is no charge for the seminar, but donuts for the presenter are mandatory.

For further information email:

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