

Green Source

Welcome to the second edition of Green Source – the **free** e-newsletter brought to you by the leading experts in renewable solutions, Perpetual Energy

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Also... Award-winning student is appointed to the Perpetual Energy Technical Team.



IKEA's solar revolution goes live across the world

SWEDISH furniture chain IKEA has invested €8 million in a groundbreaking research project with UK renewable expert Perpetual Energy.

The international retailer is also working alongside Loughborough University to develop the world's largest field project for monitoring and evaluating performance of Solar Photovoltaic (PV) Systems.

They are testing five different PV technologies at IKEA stores across four countries with different climatic conditions - Brooklyn in the US (Sub-tropical), Gent in Belgium (Oceanic), Rostock in Germany (Humid Continental) and Seville in Spain (Mediterranean).

At each site, Perpetual Energy is installing an average of 250kW of Solar Photovoltaic modules on the store roofs to supply clean free energy to stores (pictured above).

The technology – supplied by different manufacturers – will be monitored at one second intervals and information about performance will be relayed back to Loughborough University's CREST (Centre for Renewable Systems Technology).

The IKEA Solar Revolution

(Photo - left) Monitoring performance of Solar PV at IKEA. The modules – supplied by leading manufacturers – will be monitored at one-second intervals and information about performance is relayed back to Loughborough University. Results will determine the most efficient system in terms of ease of installation, power generation and energy cost savings.



New fixed-price planning for Wind Turbines

PERPETUAL Energy can offer a unique fixed-price service for wind turbine planning – with over 30 years of technical expertise in successfully delivering renewable projects.

For wind power (up to 100kW), a feasibility and planning service has been launched for a fixed total of around £6,000 plus VAT (split into two stage payments).

Dominic Clarke, Sales Director, said: “Alternatively, we can tailor our service to fit in with those clients wishing to undertake the planning process themselves. And if Perpetual Energy supply and install the wind turbine we will even refund this planning fee.”

Flood of contract wins

THE champagne corks are popping at Perpetual Energy as the company celebrates a series of new contract wins.

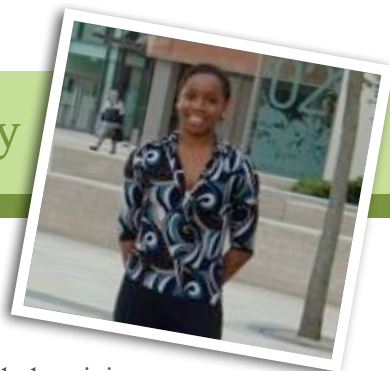
Among the list of new clients are: Royal Mail, Steads Haulage of Nottingham, The Babraham Institute in Cambridge, Rhondda Cynon Taff Housing Association, Aviva Insurance (above left), Baxter Health Care, William Hulme Grammar School of Manchester (above right) and The Welbeck Estate. Perpetual Energy will be conducting feasibility and consultancy work for each of the organisations. David Coyne, Chief Executive of Perpetual Energy Ltd, said: “We will be looking at the viability of wind, Solar PV and Biomass, or in some cases a mix of the technologies. It is a credit to our experienced technical consultants and sales staff that we have secured these important contracts.”

ROC on renewables! Are you ready to get FIT?

The Feed In Tariff Scheme scheduled for April 2010, aims to stimulate capital investment by shortening the ROI times of renewable electricity by at least 50% for solar and wind power; enabling payback to be achieved in less than 7-8 years in some cases. FITs are cash payments made at above-market rates to the owners of renewable systems for electricity generated.

Renewable Obligation Certificates require electricity suppliers to source a proportion of their electricity from renewables. The scheme is a mechanism for incentivising clean energy. Where suppliers do not have sufficient ROCs to meet their obligations, they must pay into a fund, the proceeds of which are paid back on a pro-rata basis to those suppliers that have presented ROCs. Government anticipates that suppliers will be subject to a renewables obligation until 2027.

Award-winning student joins Perpetual Energy



RENEWABLES expert Perpetual Energy has announced the appointment of Sharlene Wilson as Technical Consultant for the firm. Sharlene, originally from Jamaica, joins the Knutsford company from Sustainable Energy Installations Ltd where she spent 12 months as a Project Engineer, conducting feasibility studies and managing projects for on-site micro-renewable projects.

At Perpetual Energy Ltd she will be responsible for working on projects across Europe with key clients including retailers, manufacturers, councils, schools, public and commercial enterprises. The role will also involve the design, specification and project management of sustainable energy systems, such as wind turbines, solar photovoltaics and biomass. Sharlene’s educational achievements

include gaining a First Class Honours Degree in Mechanical Engineering at the University of Glamorgan in Wales, where she won the Best Student Award for two consecutive years. Sharlene excelled as the only female enrolled among 40 males on her degree course.

Perpetual Energy designs and builds renewable solutions to meet environmental challenges facing the industrial, commercial and public sectors - replacing grid-supplied power, reducing carbon emissions and ensuring long-term financial savings.

With offices in Cheshire (UK) and Dallas (USA), the client base includes: IKEA, Tesco, Royal Mail, Ford Retail, BSkyB and Richard Irvin Group.

Solutions offered include: Biomass, Wind Turbines, Solar PhotoVoltaics, Solar Thermal Hot-Water, Geothermal Energy, Hydro, and Ground Source Heating and Cooling Systems.

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