



Green Achiever Technical Newsletter April 2013

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Dear Deb,

Welcome to the Green Achiever Technical Newsletter.

This Month, our focus is renewable energy and how you can tap into this rapidly expanding market.

From Anaerobic Digestion to our special offer on energy efficient lightbulbs, the April edition covers a range of ways in which your business can embrace renewable technology and save money in the process.

Also, we have the company profile of Global Education Services Ltd who have achieved their Silver Award. As usual, we have some legislation updates for you along with news on prosecutions.

I hope that you enjoy this issue and find it useful.

Mandy Stoker



Anaerobic Digesters (AD)

Anaerobic Digestion (AD) is a natural process where plant and animal materials (biomass) are broken down by micro-organisms in the absence of air. It is by no means a 'new' method of waste management. In fact, it has been used since the 1800's and has recently experienced a surge in demand due to, among other things, the increasing need for clean renewable energy sources.

Since the first Anaerobic Digester installation in 2012, the need for renewable energy is diverting more agricultural, industrial and domestic waste away from landfill.

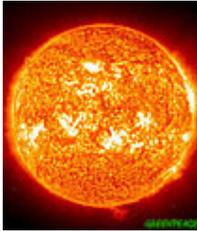
For more information on whether AD can reduce the impact of your business on the environment, go to the Biogas website at www.biogas-info.co.uk.

Visit the 'Cwm Harry' website (<http://cwmharry.org.uk/composting-plant/>) to see how the installation of an AD plant transformed the attitude of a Mid-Wales community towards waste. This very

successful scheme may just inspire you to get involved.

If you would like any more information or guidance on Anaerobic Digesters, contact us at E4Environment on 01743 343403.

Solar Power for Businesses



If you have roof space or a largish garden area or adjacent land, installing solar panels is something you may wish to consider.

Investment in solar panels has multiple benefits including:

- * Favourable investment return on capital employed via 2013 Feed-In-Tariff (10% or better annual returns possible)
- * Returns benefit from RPI linkage over a 20 year term
- * A hedge against rapidly rising energy costs
- * Dramatically increase the value of your property (on average 10%)
- * Lower carbon output
- * Enhanced environmental credentials amongst neighbours, family and friends

For more information on the installation of a solar PV system, visit the Salop Energy website at www.salopenergy.com

For more information on Solar PV, contact E4 Environment on 01743 303403

Connect through education.



Congratulations to GES Ltd on Achieving their Silver Award

London based Global Education Services Ltd (GES Ltd), which provides high quality consultancy and training in early years and primary education to maintained schools, free schools, academies and local authorities throughout the UK, has attained Green Achiever award silver status.

GES Ltd believes in empowering schools to achieve the best possible learning outcomes for every child, so that all children receive a good education. It works globally in close partnership with head teachers and senior leadership teams to devise a tailored programme for improvement in teaching and learning, achievement, leadership and management. The company recently became a member of BESA (British Educational Suppliers Association).

Commenting on its Green Achiever status and good practice Raj Mehta, director at GES Ltd, said: "We have a number of initiatives in place including the transfer of information to soft copies where possible to save on paper resources including e- billing. When a printer is necessary we use recycled paper and ink cartridges are also recycled. LED lighting is installed in our office, our website is hosted by a 'green' company and we aim to check a supplier's environmental credentials prior to purchase. GES Ltd actively promotes environmental awareness within the firm and by being a Green Achiever we can now show our customers that we are a trustworthy and conscientious business."

www.global-educationservices.co.uk



Legislation Update

England - Regulation of Storing Materials at the Dockside

Stored materials, either following import or waiting on export, at the dockside will be regulated differently from 31st October 2013. Existing Low Risk positions, LRW432 and LRW431, will be replaced with new guidance under the title 'Regulatory Position Statements'. Materials concerned include chipped wood waste and refuse derived fuel.

Scotland - Consultation on the Licensing of Metal Dealers

A review on the current legislation is underway as a response to the increased incidence of metal theft. The consultation can be viewed at the Scottish Government website.

www.scotland.gov.uk/consultations

Prosecutions

South West Water has been ordered to pay £65,000 in fines and costs for illegally discharging aluminium chloride into the East Looe River, Cornwall. The case was brought by the Environment Agency.

On August 22, 2010 an Agency officer visited Lodge Hill Sewage Treatment Works near Liskeard and was told, by a member of staff, there had been a chemical spill at the site the previous day.

Known as 'Claral', the chemical is used to improve the quality of the final effluent before it leaves the works. The yellow liquid is corrosive and hazardous and must therefore be stored in a bunded tank to minimise the risk of it escaping into the environment. Claral is toxic to fish at particular concentrations. At Lodge Hill, the chemical is pumped from a tank and into the sewage treatment process via a small pipe. The storage tank is surrounded by a concrete bund with a sealed drainage system that feeds back into the works.

A court heard how at lunch time on August 21, a South West Water operative went to check the level of aluminium chloride and noticed a pipe had broken. He turned off the valve and called for an engineer to fix the broken section of pipe.

Some months later, after examining the chemical storage area more closely, South West Water discovered it was possible for any of the chemical which had spilled outside of the bund to drain to a buried manhole via two perforated power cable conduits. This meant any spill could find its way into the East Looe River. The water company notified the Environment Agency of its discovery. To read on, visit the Environment Agency website <http://www.environment-agency.gov.uk/news/147178.aspx>

Save Money and Energy on Lighting

Discount Offer made through the Green Achiever Scheme and our Partner RhinoCo Technology

If you've thought about **saving money and energy** by looking at your lighting, now may be just the time to do it. **The Green Achiever Scheme** has linked up with major lighting manufacturer RhinoCo Technology to bring you a discount offer on installing LEDs of **between 5% - 15%**.

Why LEDs -LED lighting can consume up to 70% less energy than conventional incandescent or discharge lamps which can make dramatic impacts on electricity bills. Technological improvements in recent years mean that LEDs can now be dimmable, linked to movement and daylight sensors or timer switches. Their operating lifespan is rated far higher than other lamps reducing maintenance costs as well as replacement costs.

RhinoCo Technology provides lamps for car parks, warehousing, floodlights, offices and back-of-house corridors. There aren't many places they haven't fitted out either with their bulb or tube fittings.

Upfront cost and payback periods - changing a lighting system can qualify for the government Enhanced Capital Allowance Scheme whereby businesses can write off the whole of the capital cost of their investment in energy saving technologies against their taxable profits of the period during which they make the investment. Further, if a leasing arrangement is made this can be offset on tax.

As part of our on-going efforts to support our members in reducing their environmental impacts we have agreed the following discounts with RhinoCo Technology.

15% discount - for all silver or gold members

5% discount - for all self-assessed members

No minimum order required. If you want to discuss taking up this offer then contact either Deb Cairns on 01743 343403 deb@greenachiever.co.uk or Lisa Lupton on 0845 644 5421 llupton@rhinoco.co.uk

Quick Links...

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web: <http://www.greenachiever.co.uk>

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