

Case Study

Another major success story to come from the University of Greenwich at Medway, is **Carbon8 Systems Ltd**. The company, which is a major spin-out company from the University of Greenwich, was formed in 2006 and has developed an environmentally-friendly solution to treating hazardous waste materials.

Carbon8 Systems uses accelerated carbonation technology (ACT) to treat hazardous wastes and remediate contaminated soil. The accelerated process produces inert secondary aggregates, which can be used in construction and engineering projects, together with significant quantities of waste carbon dioxide, the key greenhouse gas, which is locked into the material.

Wastes successfully treated by Carbon8 Systems include slag from steel manufacture, galigu from soap production, contaminated soil from firework manufacture, North Sea oil drill cuttings, cement kiln residue and water treatment sludges.

If the technology gets widely adopted then it could capture more than one million tonnes of waste carbon dioxide, meeting five per cent of the UK carbon emission reduction target by 2012.

www.c8s.co.uk



Engineering academic success

► University of Greenwich continued...

As the range of degree course available has expanded at Medway so has the selection of course and training programmes specifically tailored to meet the needs of local services, businesses and industry.

“Additionally we are directly contributing our knowledge and expertise to the regeneration of the Thames Gateway.”

An example of the University’s applied expertise is The Wolfson Centre for Bulk Solids Handling Technology, which is housed at the University’s Medway campus. The Centre has specialised in solving materials handling problems since 1973 and now enjoys an international reputation for its work.

The Centre began its existence researching problems associated with pneumatic conveying of powders and granular solid

material in pipelines and has since expanded its areas of interest to include hopper and silo design, and instrumentation and control of bulk solids handling systems.

Maintaining links with the business world, the university encourages students to take placements as part of their course. The Greenwich Research and Enterprise, formerly the Research, Enterprise and Regional Affairs (RERA) Office, aims to increase interaction with business. The department is a one-stop-shop for any business wishing to get in contact with any part of the university.

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