

# ROUND-UP

## TECH LATEST

### IN FOCUS

#### REVENUE FROM SMALL EFW PLANT IS DEMONSTRATED IN CANARY WHARF

SEaB Energy will pilot its containerised energy-from-waste technology at London's Canary Wharf after winning the second phase of the Cognicity Challenge. Cognicity is a 'smart cities' accelerator programme designed and delivered by Entiq for Canary Wharf Group. It was established to discover and support the development of future technologies with positive economic, social and environmental impacts.

SEaB has developed a patented, micro-power plant that turns food and organic waste into heat, energy and water directly on the site of where the waste is produced. This generates an attractive revenue stream, eliminates the need to transport food waste to distant processing plants and significantly reduces the site's carbon footprint.

According to SEaB, this is becoming critical for new developments because, in order for them to comply with Part L of Building Regulations, their building emissions rate or dwelling emissions rate must be less than their target emissions rate.

Sandra Sassow, SEaB Energy chief executive, said: "Showcasing our technology in the heart of the capital will allow us to demonstrate to businesses that their waste can be transformed into revenue and carbon offsets, even where space is at a premium."

SEaB has been awarded £50,000 alongside the



opportunity to implement its technology at Canary Wharf. The award will kick-start co-operation with Intel, the event sponsor, to incorporate Intel's latest technology into SEaB products.

> [www.seabenergy.com](http://www.seabenergy.com)

#### NVQ training on safety

More than 60 waste handlers, office staff and management at London-based O'Donovan Waste Disposal are currently undertaking Waste Management Industry Training and Advisory Board (Wamitab) training. It is one of the most substantial programmes to boost staff skills that Wamitab has seen from an SME within the sector.

The NVQ level 2 and 3 courses ensure that staff have full awareness and training of safety aspects of waste management process procedures, as well as ensuring the quality of the materials recovered.

Jacqueline O'Donovan, managing director of O'Donovan, said: "We run the level 2 Wamitab in a multilingual format to ensure that every single one of our

waste handlers is fully trained."

Mark Hyde, commercial director at Wamitab, added: "We are custodians of the competence system on behalf of the sector at senior level, so we are supportive of O'Donovan's aims to develop this culture across the whole company.

"Everyone has a right to come home safely from work, and being well trained is crucial to making this happen."

> [www.wamitab.org.uk](http://www.wamitab.org.uk)

#### Splitter technology partners

Doppstadt Group has become the exclusive sales partner of Günther for its splitter technology. Doppstadt will now offer the components under its own label.

The partners will present their separation technology together for the first time at the Doppstadt

Expo in Calbe, Germany, on 25-26 June. The event will showcase shredding, screening and processing machinery for waste, biomass and construction materials.

Ferdinand Doppstadt, owner of the Doppstadt Group, said: "Günther's high-quality products are perfectly in line with our philosophy of quality and with our portfolio."

Both companies are medium-sized family-managed enterprises, with years of experience in the construction of machines and components.

Doppstadt, which celebrates its 50th anniversary this year, said the move marked a "further step on the way to international market leadership in the field of environmental technology".

> <http://doppstadt.de/en/>

#### Improving enzyme process for bioplastics

Carbios, a French green chemistry company that specialises in the recovery of plastic waste and the production of biopolymers, has signed a strategic partnership with the White Biotechnology Center of Excellence/National Institute for Agricultural Research (TWB).

The work is being developed in collaboration with CRITT Bio-industries, a department of the Toulouse branch of the National Institute for Scientific Research.

Carbios and CRITT/TWB teams will work to optimise the enzymatic processes, the common bioprocess platform developed by Carbios via the five-year Thanaplast project. The sharing of expertise will allow for faster development.

It will also allow for the purification of monomers generated by the depolymerisation in order for them to be used in the regeneration of the initial monomer. At the end of the pilot, Carbios will be able to show the effectiveness of its bioprocesses at industrial scales.

Pierre Monsan, founding director of TWB, said: "This partnership will help in the development of alternatives to conventional chemistry methods, allowing the optimisation of the lifecycle of plastics."

> [www.carbios.fr](http://www.carbios.fr)

