



WASTE NOT WANT NOT WITH ICS COOL ENERGY

Temperature control solutions for renewables



The Challenge

Energy efficiency is at the heart of ICS Cool Energy's temperature control solutions and that goes a step further with the hire division's experience in setting up anaerobic digestion plants, that reduce the need for landfill and turn waste into energy.



Lee Duke
Sales Engineer
(Hire)

"With our focus on energy efficiency, this sector is particularly rewarding and we've delivered solutions for many digester operations around the country to provide exactly the right temperatures for the bacteria to thrive and turn waste into energy."

WE MAKE IT WORK

The Solution

ICS Cool Energy's hire division has extensive experience in designing and installing temperature control solutions for the UK's renewable energy and waste management plants.

A recent installation at a site in the West Country provided robust, high performance boilers to help start up a new, sustainable waste management plant using anaerobic digestion. ICS Cool Energy's engineers designed the solution to provide the initial heat needed for the large 40m diameter slurry tanks where the bacteria – methanogens - come to life at 45°C-plus and start to consume the waste. Once started, the process produces methane which then powers the generator, turning waste into valuable renewable energy which is also returned to power the process.

- Extensive range of industrial boilers from 150kW-1300kW
- Housed within steel containers for weather-protection
- Anxillary fuel tanks available
- 24/7 support with fast response times and deliveries to deadlines



The Result

ICS Cool Energy's experienced engineering teams provide temperature control solutions for a wide range of waste management plants, including those in the private, public and agricultural sectors, with short and longer term hire options.

The range of services is fully flexible, according to individual customer needs and resources, from full system design, installation and 24/7 monitoring to equipment supply, delivering on time, on budget.

ICS Cool Energy's fleet of equipment is the largest in the industry and is also fully maintained and serviced to exacting standards so it operates at maximum efficiency in the most challenging of environments and locations.



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Our International offices:

Ireland: +353 (0)46 92 52934

Germany: +49 (0)7046 88087 0

Netherlands: +31 (0)88 258 258 0

Switzerland: +41 (0)55 415 91 09

Austria: 00800 0116 0117

France: +33 1 60 66 80 83

 **UK HIRE: 0800 840 4210**

 **hire@icscoolenergy.com**