
Case Study: **Coca-Cola Enterprises**

Aqua Enviro has been providing expertise and operational support to soft drinks manufacturer Coca-Cola Enterprises – the world's third largest independent Coca-Cola bottler – in a bid to help the company minimize its impact on the environment and achieve its long-term sustainability goals.

Working with Coca-Cola Enterprises to improve environmental sustainability

Since 2011, Aqua Enviro – innovative leaders in the fields of water, wastewater, biosolids and organic waste, has provided technical expertise which has enabled Coca-Cola Enterprises to reduce its carbon footprint, save on utility costs and create renewable energy on site.

Coca-Cola Enterprises has used anaerobic digestion (AD) technology to treat liquid waste effluent at its manufacturing Wakefield site since 1989, being one of the first to pioneer this technology.



However changes to production patterns and effluent composition since the plant opened have created challenges in maximising the plant's potential.

Aqua Enviro has now been working with the soft drink manufacturer on a monthly basis to help the company optimise the anaerobic digestion plant.

The Wakefield site is the largest soft drinks plant by volume in Europe and can produce 6,000 cans of soft drink every minute, creating approximately 100 cans per second.

The AD plant now reduces the 'strength' of effluent by up to 90 per cent before it is discharged, a process that significantly reduces demand on the municipal wastewater treatment works, enabling cost savings for Coca-Cola Enterprises. The facility treats sugar, fruit products and other waste materials within the effluent. Biogas is then produced from the AD process, collected and used in biogas boilers, this renewable energy source displaces natural gas which would otherwise be required.

Aqua Enviro scientists have also used their knowledge to help train operatives at the site and build environmental awareness amongst employees.

Anaerobic digestion – a treatment that breaks down waste in the absence of oxygen to produce biogas – can add major benefits to businesses.

Optimisation of existing anaerobic digestion plants can greatly reduce business costs, help company's corporate social responsibility credentials and generate renewable energy.

Matthew Smyth, Operations Director at Aqua Enviro, said:

“Working with Coca-Cola Enterprises demonstrates the benefits committing to an environmental sustainability plan can bring to a business. By creating renewable energy on site, CCE is helping to reduce carbon emissions, save on utility costs and help create a greener overall economy.”

For more information about Aqua Enviro's services please contact Business Development Manager Paul Lavender on 01924 242 255 or email paullavender@aquaenviro.co.uk

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