



EnviWaste –
from waste to energy

Energy from waste – organic by-products used as valuable feedstock

About EnviWaste

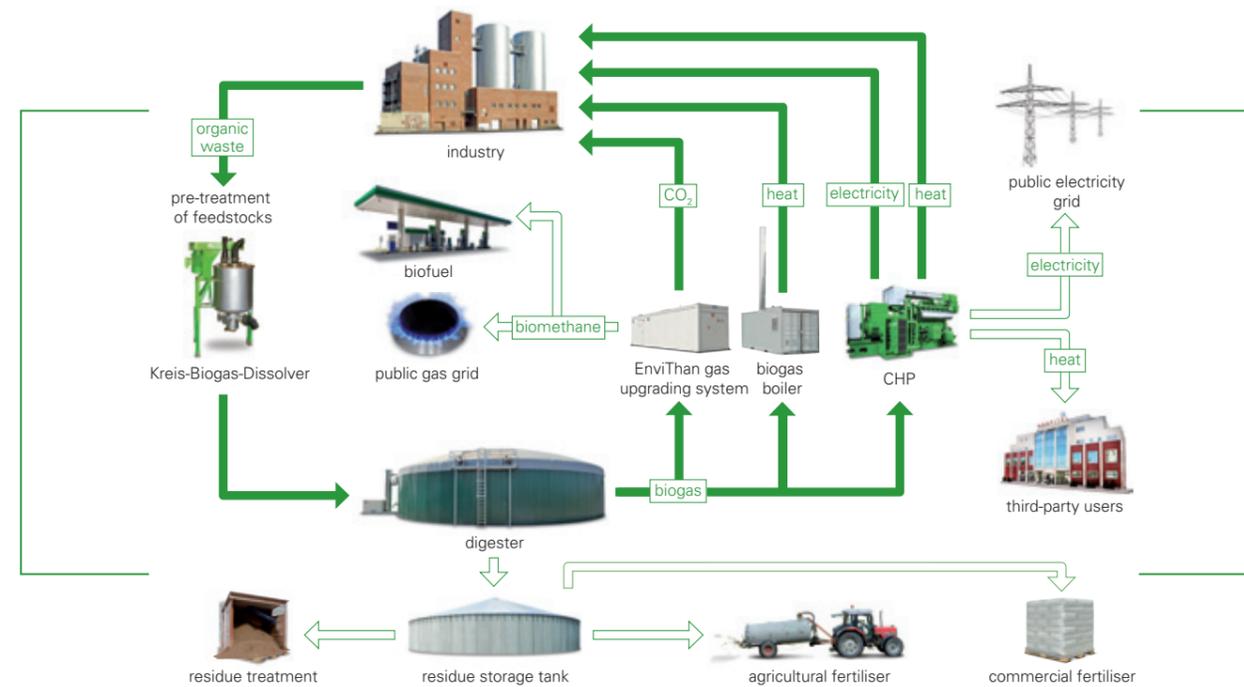
Every farm and food enterprise will generate organic by-products. EnviWaste can be used to maximise the benefits of this source of organic material for the creation of biogas for use as a renewable and sustainable form of energy and potentially augment the income for the commercial business.

Each EnviWaste AD plant is designed to suit the needs and infra-structure of the individual enterprise, with the resultant biogas being used to generate

electricity, heat or upgraded into biomethane to supplement or replace the imported energy demands of the business.

The strategic move away from waste to landfill and reductions in the use of fossil fuel means that energy derived from waste is a winning solution for all.

The inclusion of pasteurisation to treat either the input material or digester residue provides greater flexibility for the residue to be used as a valuable fertiliser and the achievement of PAS110 standards.



Case Studies

Horseway Energy

Location: Chatteris, Cambridgeshire

In operation since: 2014

Input materials: Onion, leek and other vegetable wastes combined with purpose grown material

Features:

- > 499kW_{el} CHP producing electricity for the grid
- > Uses waste and reject material from pack house
- > Enough energy generated to supply 900 homes
- > Digestate reused as a fertiliser

Leeks and onions form a major part of the 2,500 acre farming enterprise. Having the EnviWaste AD has taken away the issues of handling the waste generated by packing and processing. Combining this waste with maize already grown on the farm has allowed further diversification of this 4th generation business.



»The choice of EnviTec with their strong balance sheet and commitment to deliver gave us confidence to build our AD.«

Nick Allpress,
Director, Allpress Farms and Horseway Energy

AB Produce

Location: Measham, Leicestershire

In operation since: 2016

Input materials: Waste potatoes and vegetables from adjoining process factory

Features:

- > Two 499kW_{el} CHP units totalling 998kW_{el}
- > Major reduction in problematic odour emissions
- > Electricity and heat supplements the energy demands of the factory.
- > Surplus electricity exported to grid

Struggling with waste water from the peeling process, the integration of the EnviWaste AD plant is providing a long term solution to the problem. AB Produce, suppliers of potatoes and other prepared vegetables to the retail and food service industry, are feeding their factory's waste material into the AD plant, thus harnessing the electricity and heat created to supplement the energy being used by the factory.



»With the added support from their service and biological teams the EnviWaste should help sort what we need.«

Paul Bridgen,
Managing Director, AB Produce



About EnviTec Biogas

- + Europe's strongest partner for biogas and biomethane technology with more than 600 plants worldwide
- + In excess of 30 EnviWaste plants generating more than 33MW of energy worldwide
- + Experience of owning and operating 76 plants with an average efficiency of 97%
- + Strong financial background of the EnviTec group
- + Biological and mechanical service support and maintenance provided by EnviTec Biogas Service UK
- + Main UK offices based in the Midlands offering nationwide support



EnviTec Biogas UK Limited

Unit 3, Rydal Estate
Colton Road, Rugeley
Staffordshire, WS15 3HF
Tel.: +44 1889 584459
Fax: +44 1889 578088

info-uk@envitec-biogas.com
www.envitec-biogas.co.uk

EnviTec Biogas AG

Administration:

Industriering 10 a
D-49393 Lohne
Tel.: +49 4442 8016 8100
Fax: +49 4442 8016 98100

Sales and processing:

Boschstraße 2
D-48369 Saerbeck
Tel.: +49 2574 8888-0
Fax: +49 2574 8888-800

info@envitec-biogas.com
www.envitec-biogas.com