



Bio-Thermic Reactor



- Massively reduces the need to send organic waste to landfill
 - Allows you to process your waste on-site as it occurs
- Produces renewable energy for on-site use or for sale to the grid
 - Gives you complete control of your waste
- Helps reduce your carbon emissions and meet your corporate environmental targets
 - Enhances your corporate green image
- Provides you with a fixed cost food waste management solution
 - Enhances bio-security
- Provides a single process solution for all your food waste, including Cat 2 and Cat 3 animal by-products

By utilising our knowledge and experience of invigorating indigenous bacteria within organic loaded liquid waste and food factory waste, we are proud to introduce the Advetec Bio-Thermic Reactor.

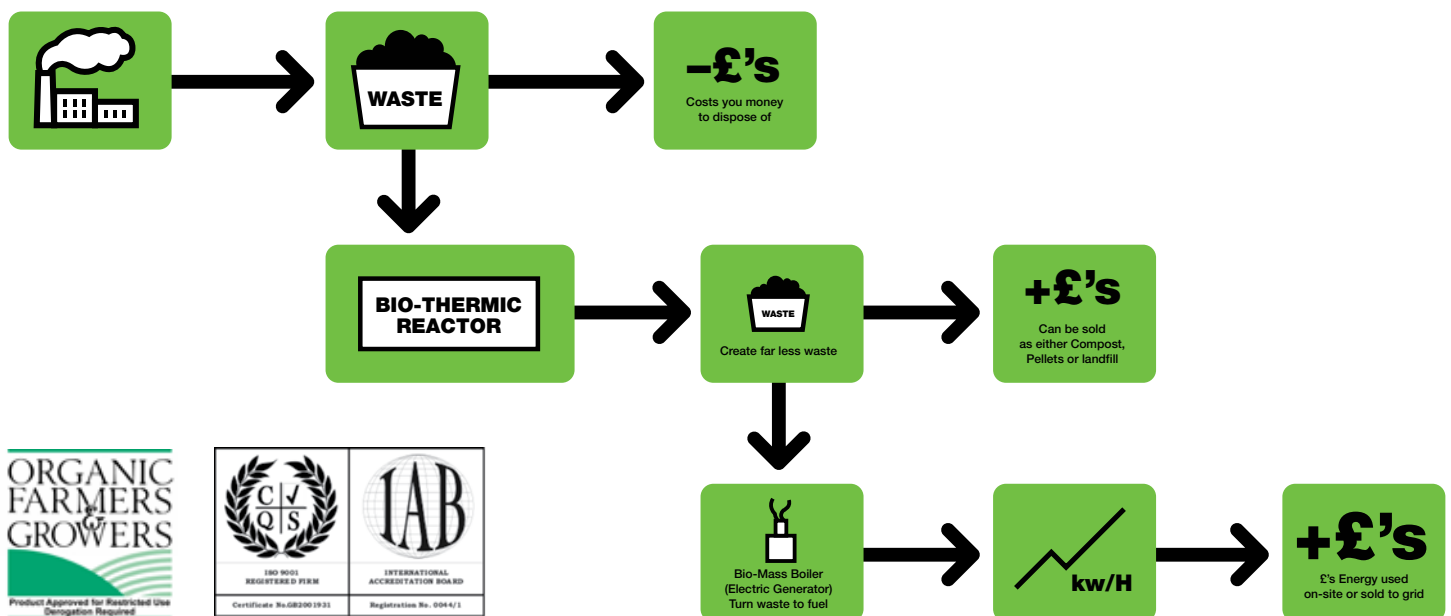
It is designed to reduce and process large volumes of organic waste. The Bio-Thermic Reactor is designed to meet the specific needs of Advetec customers and can be tailored to suit the following customer profiles:

- Food processing waste
- Agricultural slurry waste
- Colleges and schools
- Councils, municipalities and local authorities
- Composting and waste management
- Hotels, conference and convention centres

Bio-Thermic Reactor process

The whole process takes between 48-72 hours to complete

- Organisms living at higher temperatures work more quickly. They reduce hard carbon particulates and produce sterilised waste, as all the pathogenic bacteria are killed during the process.
- Heat supplied from beneath the vessel maintains a controlled temperature
- Regulated air supply promotes optimum oxygenation for the organisms
- Built in filter systems eliminate all noxious odours
- Nutrient augmentation
- Organic processing is done at source, no transport/handling costs
- Residual waste can be bagged and sold as a soil conditioner
- Alternatively, an additional briquette making machine can be attached to the discharge end of the unit. The soil can be compressed into bricks, which can be sold as fuel for bio-mass boilers. The briquettes burn with a similar calorific value as coal.



Advetec Limited

Unit A, Upper Lentney Farm Building, Radstock, Somerset, BA3 5SL

T: +44 [0] 1761 433434

F: +44 [0] 1761 433365

E: info@advetec.net