



the way forward with organic waste



Why composting

Composting is a well established means of recycling organic material and returning a quality product to the land to replenish the soil nutrients and improve soil structure.

The TEG Silo Cage system can compost a wide range of organic waste, producing an end product that can be used to benefit the land.

TEG's technology is proven on a wide range of organic wastes, including:

- Kitchen and garden waste
- Food waste from catering or manufacturing companies
- Source segregated MSW (Municipal Solid Waste)
- Green waste
- Category 3 ABP (Animal By-Product) Waste

The modular design of TEG's technology makes our systems fully scalable and adaptable to increase capacity at a later stage, should future needs arise.



KITCHEN AND GARDEN WASTE FROM LOCAL AUTHORITIES ARE IDEAL INPUTS FOR TEG'S COMPOSTING PROCESS



TEG'S PRESTON FACILITY WAS THE COMPANY'S FIRST COMMERCIAL SCALE PLANT

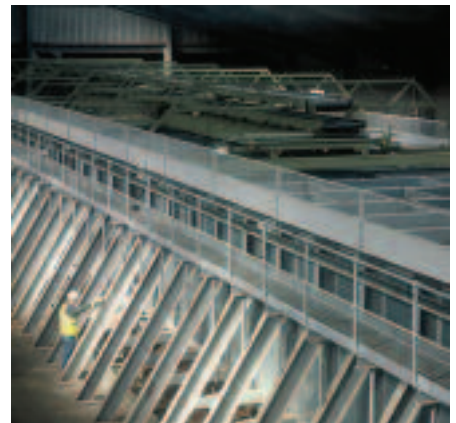
Why TEG

TEG offers a flexible service which enables our customers to select the approach that best fits their individual requirements. We can offer any or all of the following:

- Site feasibility studies
- Design
- Planning
- Licensing
- Permits
- Financing
- Interim management of waste streams in TEG operated facilities
- Civil engineering
- Plant installation
- Commissioning
- On-going operational support
- Maintenance
- Marketing of composting technologies

We have worked with a large number of local authorities, waste management companies and food industry enterprises to develop services and facilities that best suit their geographical locations, environmental considerations and practical requirements. What they all have in common is access to TEG's award winning standards and technologies.

A recent study showed that a TEG composting operation has a carbon footprint less than 1/10th of that for landfill.



TEG'S PERTH OPERATION IS CAPABLE OF HANDLING UP TO 38,000 TONNES OF WASTE PER YEAR



TEG'S TODMORDEN SITE WAS DEMOLISHED, THE SITE CLEARED AND THE NEW PLANT INSTALLED IN LESS THAN 12 MONTHS

The TEG in-vessel composting system

The TEG Silo Cage system treats organic waste, converting it into a natural fertiliser that enriches the soil and returns nutrients to the earth. It has achieved EU standard Animal By Product (ABP) approval, which represents one of the highest classifications possible in the organic waste treatment market.

The composting process itself provides a continuous dry operation with minimal leachate produced and virtually no emissions. Its treatment standards ensure a pathogen-free end product, which is stable and is easy to store and handle.

There is no forced aeration, turning or agitation during the composting process, which normally takes around 14 days to complete. It is a single pass operation, but can be operated as two pass if required.

The automated processes result in a low labour requirement and, depending on the size of a plant, can be fully operated by just one individual. Continuous temperature monitoring and sophisticated warning systems ensure the optimum working environment is maintained at all times.

The system's modular design enables TEG to provide a flexible and cost effective solution across a wide range of process capacities from less than 5 to more than 50ktpa.

The flexibility and robustness of our technology coupled with our success in timely, on-budget project delivery has made TEG a bankable technology partner for both public and private sector clients



THE MODULAR SYSTEM ALLOWS
MAXIMUM FLEXIBILITY



TEG's system benefits:

- Full EU ABP approval
- Low energy use
- High capacity on a small footprint
- Modular system allowing flexibility for expansion
- Low odour
- Dry system – minimal leachate
- Excellent environmental control
- Proven on a variety of waste streams
- Ability to co-process multiple waste streams
- High quality end product capable of achieving BSI PAS 100 QP
- Enables cost effective LATS (Landfill Allowance Trading Scheme) compliance

Innovative, flexible, self-contained and cost effective, TEG's award winning Silo Cage system delivers a proven approach to the treatment of organic waste.

TEG supply options

	Standard	Optional
Site study		✓
Assistance in local stakeholder/regulator liaison		✓
Development of appropriate specification for civils and odour control		✓
Technical support for planning applications, environmental permits and ABP approval	✓	
Interim management of wastes in TEG owned composting sites during plant construction period		✓
Construction of civils, buildings and site infrastructure		✓
Supply, installation, commissioning, testing and early operation of: Feedstock preparation equipment Waste loading system TEG Silo Cage composting system Offloading system Odour control system	✓ ✓ ✓ ✓	✓
Operator training	✓	
Technical support to ongoing operation		✓
Maintenance contract on plant and equipment		✓
Operating contract		✓
Marketing of compost products		✓
Plant and process warranties	✓	
Extended warranties		✓
Lifetime throughput guarantee		✓

Tailored solutions for urban, rural and brownfield environments.

TEG operates sites throughout the UK and visitors are welcome.

If you would like to visit one of our sites or require further information please call us on **01772 644980** to arrange an appointment or e-mail enquiries@theteggroup.plc.uk