

# Doncaster Composting Plant

**Client :**  
Waste Recycling Group

**Designer :**  
Capita Symonds

**Location :**  
Doncaster

**Date :**  
2004



To prepare for the Animal By Products Regulations, Doncaster Metropolitan Council was keen to innovate with new waste management methods and required a pilot plant to gain experience in composting animal and kitchen wastes.

A Vertical Composting Unit [VCU] manufactured by Orrtec was selected, to be erected at a site managed by the Waste Recycling Group.

BAM Nuttall constructed the foundations and infrastructure works for the new plant as part of its framework contract with the Waste Recycling Group.

Two steel clad buildings for preparation and maturation were also constructed. The steel structure for the maturation bays was completed within 6 weeks by one of BAM Nuttall's local supply chain partners.

The VCU is an enclosed aerobic composting system suited to processing biological waste in small to medium sized municipal and industrial applications. Composting takes place inside modular chambers. The VCU at Doncaster is a single 25m<sup>3</sup> unit, which could be expanded with further units should the client require additional capacity at a future date.

The drainage, leachate system, duct work and underground tank installation was undertaken in 10 weeks.