

# CHESHIRE IVC FACILITY

**CLIENT:** BIOWISE LTD

**VALUE:** £7M

**BUILD PERIOD:** 52 WEEKS

## ▶ THE PROJECT

Ashcourt were employed as principal contractor for the construction of a new In-Vessel Composting (IVC) facility with capacity to process up to 75,000 tonnes of organic waste per year. The site was at the top of a steep sloping field which required bulk earthworks to re-profile the proposed location for the facility.

We created a new access tarmac road to the facility, which would also serve as our construction access.

The IVC Facility consisted of eight enclosed reinforced concrete tunnels, each tunnel was 6m (w) x 30m (l) x 6m (h), with a forced aerated floor using a spigot system. The tunnels were then connected to a wet scrubber and three bio-filters.



# ▶ THE PROJECT

We then constructed a steel frame building which connected to the composting tunnels and provided an intake hall for delivery and storage of the organic material.

Externally we constructed reinforced concrete maturation bays for the automated static pile composting system with integrated forced aeration using the spigot system. There were six bays, each 12m (w) x 50m (l) x 4m (h), with an individual capacity of 1,560 tonne and a combined capacity of 9,360 tonne.



# ▶ DIVISIONS INVOLVED



Civil Engineering



Concrete



Aggregates



Construction

