



38
Weeks



JCT
Design & Build



Significant
Ground
Improvement

Herriard Farm Anaerobic Digester Plant

Agricultural biomass facility

Mildren Construction undertook the Design & Construction of a new Anaerobic Digester Plant for RKE Biogroup at their Herriard Park Farm near Basingstoke.

The unit has been constructed to generate electricity from the animal and plant waste produced by the farm. This electricity is then fed back to power the Farm buildings, with excess energy being sold to the National Grid.

The project involved construction of the following key elements:

- Large Steel Frame Waste Handling unit
- Bio-Digester Tanks
- Silage Clamps & Lagoons
- Site Offices
- Supporting infrastructure including Roads and Drainage

This farm site required a significant amount of groundworks to be undertaken to ensure the land was suitable for the new buildings.

The Digester Tanks were originally intended to be constructed on a piled solution, however, following the results of a Site Investigation Report, this design was deemed to be unsuitable due to the soft ground.

The solution put forward by the Mildren Construction design team was to use a process of soil stabilisation. This process involved mixing the existing material with a concrete mix and then re-laying this in-situ and rolling to leave a flat compacted base. The mix has hardened to create the concrete base required, onto which the Digester Tanks could then be built.



