Brocklesby AD Plant

Existing Process

Onsite Development

Client

Brocklesby Ltd

Location

North Cave, England

Contract Value

N/A

Awarded

February 2015

Overview

To create and project manage the design team to develop an onsite AD plant fed on the waste from an existing process.

- **60,000 tpa** of food waste
- **3.5MW** electricity

Project Team

- Zebec - *Project Management*
- BioConstruct - *AD Technology*
- CLS - *Civil Engineering*
- GGP - *M&E Engineering*
- Rob Farrow – *Planning*
- Ridings Consulting – *Grid Connection*

Project

Brocklesby Limited are a family-owned business producing biodiesel from waste cooking oil and food waste. The by-product of this process is a liquid organic slurry that's suitable for AD. Keen to close the loop of their recycling process, minimise their carbon footprint and reduce disposal costs, Brocklesby Limited invited Zebec to develop an onsite AD plant to generate heat for the existing process and electricity for export to the grid using CHP engines.

Various stages of the development process were completed by Zebec's project team, including feasibility reports, site investigations, layouts, tender documents, conceptual design and planning. The package of information compiled allowed the project to achieve Financial Close in 2016.

The plant has been operational since September 2018 and has a modular design that allows for further growth in the future.

Key Skills

- Site Investigations
- Planning Permission
- Environmental Permitting
- Electrical Connection
- Land Leasing
- Lab Analysis
- Feedstock Agreements
- Digestate Recycling

"Zebec's highly organised approach to project management and documentation provided clarity and confidence to all parties, enabling the successful development of the plant."