



Bonby AD Plant

Project
Management



Design

Client

Bio Waste Solutions

Location

North Lincolnshire, England

Contract Value

£900K

Awarded

March 2014

Overview

To manage the development of an onsite AD plant with remote biomethane injection point.

- 📌 75,000 t of depackaged waste
- 📌 6,000,000 m³ biomethane
- 📌 60,500 t of PAS 110 digestate

Project Team

- 📌 Zebec – Project Management
- 📌 FLI - AD Technology
- 📌 CLS - Civil Engineering
- 📌 GGP - M&E Engineering
- 📌 CNG - Gas Connection
- 📌 GPP - Planning Consultants
- 📌 Sol Environmental – Permitting

Project

From their site in Bonby, Bio Waste Solutions (BWS) processed food waste and other organic residues to recover fats and oils. The residual waste from this process would then be stabilised and applied to land. BWS wished to upgrade their organics recovery and disposal plant by constructing an onsite AD plant to produce bioenergy.

Zebec were engaged to contract and manage a project team to develop an onsite AD plant capable of processing BWS' liquid process waste to produce biomethane for injection to the National Gas Grid and a PAS 110 digestate for disposal to land.

Various stages of the development process were completed by Zebec's project team, including feasibility reports, conceptual design, planning permission and grid connection offers.

The plant was successfully commissioned in 2017.

Key Skills

- 📌 Project Programme
- 📌 Planning Permission
- 📌 Land Leasing
- 📌 Gas Grid Connection
- 📌 Electrical Connection
- 📌 Feedstock Agreements
- 📌 Digestate Recycling

“Zebec brought together strategic partners to ensure the successful development of the Bonby AD Plant, providing the stakeholders with the confidence to take the project forward.”

