



# Impetus Waste

OREX Press



Multiple Stakeholders

### Client

Impetus Waste Management

### Location

Teesside, England

### Contract Value

N/A

### Awarded

June 2015

### Overview

Utilising Anaergia's OREX Press to recover organics from trommel fines to produce a feedstock for AD.

- 🔼 95,000 t of trommel fines
- 🔼 50,000 t feedstock for AD
- 🔼 45,000 t for effluent treatment & RDF production

### Project Team

- 🔼 Zebec - Project Management
- 🔼 Anaergia - OREX Press
- 🔼 Anaergia - Effluent Treatment
- 🔼 Air Liquide - Gas Upgrading
- 🔼 Impetus - Trommel Fines/RDF
- 🔼 Greenlight - AD Plant

### Project

Impetus Waste Management's MRF in Billingham processed up to 504,000 tonnes per annum of municipal solid waste (MSW) to produce Refuse Derived Fuel (RDF) for the neighbouring Plasma Gasifier operated by Air Products. A side product of the RDF manufacturing process is Trommel Fines which retain a significant proportion of organic material, making it very expensive to dispose of.

As such, Zebec cooperated with Impetus to develop a project to extract the organics using an Orex Press to produce a feedstock for the local AD market. Zebec fully scoped and managed the project including conceptual design and feasibility, feedstock experimental programme, site selection of Greenlight AD for the press and feedstock agreement, and plans for a digestate treatment plant at a local landfill.

The project was halted in 2016 when Air Products cancelled their RDF contract with Impetus, leaving Impetus in the unfortunate position of closing their MRF shortly thereafter.

### Key Skills

- 🔼 Project Management
- 🔼 Financial Modelling
- 🔼 Lab Analysis
- 🔼 Stakeholder Engagement
- 🔼 Procurement & Contracting
- 🔼 Feedstock Agreements
- 🔼 Digestate Treatment

*"This project would have been a landmark example of local businesses working together to maximise the recovery of energy from MSW."*

