

Lancashire Waste Partnership PFI Project

Lancashire, United Kingdom



Client

Lancashire Waste Partnership

Value

Approx. € 360 million / £240 million

Sites/Areas

CWTF Thornton – 13.5 hectares

CWTF Leyland incl Education Centre – 12.8 hectares

Duration

(Construction time incl Remediation)

CWTF – Thornton: 105 weeks

CWTF – Leyland: 91 weeks

Schedule

Construction: May 2007 – June 2011

Concession period: 25 years

Assignment

Joint Venture PFI Project between BLL and GRD Minproc

Architect

Lend Lease Projects

Structural and Services Engineers

DGP International

Process Design

GRD Minproc



Bovis Lend Lease has formed a Limited Liability Partnership (Waste 2 Resource / W2R) with GRD Minproc Ltd, an Australian Process & Technology Engineer provider.

The partnership will design, construct, commission and operate two Central Waste Treatment Facilities (CWTF) for Lancashire Waste Partnership, part of Lancashire City Council, under a 25 year PFI contract.

Lend Lease also has a 50% equity stake in the SPV with Global Renewables, a wholly owned subsidiary of GRD Ltd.

The fundamental objective of the project is to provide facilities and services that manage contract waste in an environmentally and economically sustainable manner. In general terms the waste process will:

- Avoid a landfill legacy for future generations;
- Meet the European Landfill Directive without any form of incineration or combustion of waste;
- Use clean process technology with minimum environmental impact;
- Maximize levels of recycling, composting and recovery;
- Reduce greenhouse gas submissions;
- Produce renewable energy from biogas;
- Produce organic growth media from the treated waste.

The Central Waste Treatment Facilities incorporates the urban Resource-Reduce, Recover and Recycle (UR-3R®) Process, a mechanical biological treatment that delivers a sustainable resource recovery solution for Waste Management. The total network is designed to process a maximum of 575,000 tonnes per annum of contract waste.

As well as providing the above process facilities, the W2R Joint Venture will design and construct a 2000m² Education Centre on the Leyland Facility along with extensive landscape mitigation to enhance the view of the facilities from the surrounding environment.

The Visitors & Education Centre, Leyland Site, showing the Sky-bridge linking to the Reveal's Hall



Waste 2 Resource Joint Venture