right waste

right place

**£34,899 SAVED**

# DECISIONS DURING CONSTRUCTION PHASE LEAD TO REDUCED WASTE AND HUGE SAVINGS

## WHAT HAPPENED?

A project to part-convert, part-new build a business park had plenty of scope to minimise waste by identifying opportunities early on.

The project was fairly large, with a floor area of 2682m$^2$ and a total cost of £1,750,000.

## OUTCOME

Targets to reduce waste by 10%, recycle 60%, and send no more that 25% to landfill were easily achieved. 140 tonnes of inert waste was forecast, but no inert waste was sent from site during construction, and non-hazardous waste was only 38 tonnes.

Mixed waste leaving site easily achieved a recycling rate of 60%.

These waste reductions helped the project enjoy a significant cost saving of £34,899 – the equivalent of 2% of the total project costs.

## CONTEXT

Several decisions were taken during the construction phase to help reduce waste and save money, including:

- Crushing and reusing material from the demolition phase
- Recycling timber waste on site in the biogas boiler
- Reusing inert material arisings for bunds on site
- Reusing existing paved areas

## LESSONS LEARNT

The significant saving in costs was achieved with decisions during construction. The main lessons learnt were:

- Segregated skips will always be considered for future projects as they reduce costs
- Only waste contractors with high offsite recycling rates will be used, to ensure best practice and reduction of waste to landfill
- In-house forecasting data will be developed to ensure pre-construction plans align as closely as possible to actual waste arisings data
- Further improvements will be sought through addressing the procurement strategy