

Farnborough Business Park

Case Record



Location	Farnborough
Client	Slough Estates
Main Contractor	Carillion Building

Cost savings made at the Farnborough Business Park by applying environmental initiatives

Environmental Initiatives

Waste Management	Material is recycled and re-used on site.
Economic	The waste management practices have led to considerable cost savings.

The cost saving that can be gained from recycling and reusing materials on site is clearly shown on the Farnborough Business Park project.

For every cubic metre of material that is recycled into a grade that can be reused as structural fill, Carillion saves £26.93. This value is reached by comparing the amount it costs to recycle (£6.50/m³) with the total cost for removing the material (£13.43/m³) and replacing it with suitable structural fill (£29/m³).

At the Farnborough Business Park project recycled material is being used to raise the levels of the development plots. A range of Recycling Plants are being used to convert unsuitable into suitable material.

More than 35,000m³ of material is currently being fed through an Extec Robo Trac screener to produce 25,000m³ of less than 75mm structural fill.

Subject to weather conditions a 13ft Case excavator supplies the screener on a full-time basis, while a range of Fiat Hitachi loading shovels and 30 tonnes Volvo ADTs are used to remove the oversize material and stockpile the structural fill.

Once screened the material is distributed across the site and rolled and compacted to 95%. The quality of the material is such that it is unlikely that lime stabilising will be necessary prior to further construction work.

To date this project has saved £673,250.