



**Energy from Waste (EfW) Plant, Buckinghamshire**

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**Client**

FCC Environment/  
Buckinghamshire County  
Council

.....  
**Contractor**

Sir Robert McAlpine

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**Architect**

RPS Group

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**Engineer**

URS Group

.....  
**Steel Tonnage**

2,000 tonnes

Caunton have supplied and erected the steelwork for a major new Energy from Waste (EfW) Plant in Buckinghamshire. This plant at Greatmoor, constructed by main contractor Sir Robert McAlpine, will reduce reliance on landfill, increasing recycling and generate 22MW electricity – enough to power 36,000 homes.

Caunton have supplied over 2000te of steelwork, all galvanized, for the major components of the power station. These comprise the Tipping Hall, Waste Bunker Hall, Boiler Hall, Flue Gas Treatment Area, Turbine Hall, Admin offices and a feature canopy. The resulting fabrication of the steelwork itself for this building, which is up to 52 metres in height, is of a varied nature. It comprises latticed roof trussed areas, latticed column areas, UB column and rafters areas, and multi-storey beam & column for the seven storeys of the Admin and Turbine areas. Three zones required crane beams.

The architect for this major project is RPS Group and the engineer is URS Group.

**Caunton Engineering Ltd.**

Caunton House, 2 Coombe Road, Moorgreen Industrial Park, Newthorpe, Nottingham NG16 3SU

▲ T. 01773 531111 ▲ E. sales@caunton.co.uk ▲ W. www.caunton.co.uk

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