caunton
ENGINEERING

Energy from Waste (EfW) Plant - Buckinghamshire

Client
FCC Environment

Contractor
Sir Robert McAlpine

Architect
RPS Group

Engineer
URS Group

Steel Tonnage
2,000 tonnes

Caunton have supplied and erected 2,000 of galvanized main and secondary steelwork for a major Energy from Waste (EfW) Plant in Buckinghamshire. This plant at Greatmoor, constructed by main contractor, Sir Robert McAlpine, reduced reliance on landfill, which increased recycling and generated 22MW of electricity - enough to power 36,000 homes.

Caunton supplied the steelwork for the major components of the power station, which comprised of 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 was up to 52 metres high, was of a varied nature. It comprised of lattice roof trussed area, latticed column areas, UB column and rafters areas and multi-storey beam and column for the seven storeys of the admin and turbine areas. Three zones required crane beams.

This project contributed to the UK Government's commitment to be carbon neutral by 2050 by means of zero carbon energy production.

Energy from Waste (EfW) Plant - Buckinghamshire

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