



Milton Keynes MBT Plant

Project Experience
Waste to Energy

Specifications

Project	Milton Keynes MBT	Capacity	30,000 tpa (1,000 kWel)
Client	AmeyCespa	Status	In design
Location	Milton Keynes, UK	Reference	Mr. Paco Hevia, AmeyCespa
Size	7.0 acres		
Feed Stock	Organic fraction of MSW		

Processing Equipment:

Fully enclosed fermentation hall with 9 Bioferm fermenters. The digestate will be post-composted and pasteurised prior to storage and use as a land remediation material.

Anaerobic Digestion Process and Residence Time:

AmeyCespa has signed a contract with Milton Keynes Council to design, build and operate a waste treatment facility which will handle up to 120,000 tonnes of residual waste every year. Jones Celtic Bioenergy is to provide the dry fermentation section of the building that will process 30,000 tonnes per year of organic fines material generated by the mechanical plant at the site. The balance of material will be processed by the on-site gasification plant. The AD facility includes a reception bunker that MSW fines are discharged into. From here the fines are transferred by loading shovel into nine dry fermentation chambers. Post-digestion, the material will be transferred to the composting hall where it is composting to dry the material. The output is then screened prior to pasteurisation in a proprietary tunnel composting system with the final compost product being stored in a building prior to transfer off-site for beneficial use.

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