

Odour Case Study

Ecoparc Maresme Spain

Composting and Anaerobic Biodigestion Biofilter, Ammonia Scrubber and RTO



Environmental Integrated Solutions Ltd, along with our Spanish partner STA, supplied and installed an Advanced Biofilter, an Ammonia Scrubber and a high efficiency Regenerative Thermal Oxidiser (RTO) to treat the odorous air from the Composting and Anaerobic Biodigestion processes at Maresme near Barcelona in Spain. Because of the large air volume and in order to minimise the footprint, the Advanced Biofilter was installed on three separate levels. The overall odour outlet limit was guaranteed at $< 1000 \text{ Ou}_E/\text{Nm}^3$ but the system actually achieved an overall odour outlet of $< 550 \text{ Ou}_E/\text{Nm}^3$.

Technical Data	
Air Volume (Am^3/hr)	250000
Inlet Odour (Ou_E/Nm^3)	46000
Outlet Odour (Ou_E/Nm^3)	< 550



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