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Waste Gasification Technology Selected for Glasgow Project

02 August 2012

Manchester, UK based waste gasification technology developer, Energos is to supply equipment to treat waste at Viridor's planned [waste to energy](#) and [recycling](#) facility in Glasgow.

The company said that its technology will feature as part of a three stage-process residual waste project at the proposed £146 million Glasgow Recycling and Renewable Energy Centre.

Viridor's planned facility will mark a major overhaul to the way Glasgow's residual household waste is managed over the next 25 years, and will handle between 175,000 and 200,000 tonnes of the council's green bin waste every year.

According to Energos its patented gasification process and proprietary control system ensure that emissions are consistently low.

The company said that average NOx emissions are typically 25-30% of the EU limit and no de-NOx system is needed.

The ENERGOS thermal conversion process consists of two stages, a primary chamber for gasification of the waste and a secondary chamber -for high temperature oxidation of the syngas produced in the primary chamber.

The company claimed that the project is expected to save the city £254 million across life of the contract, in addition to 90,000 tonnes of CO2 every year through landfill diversion from landfill, the sale of recycle materials and the generation of electricity from renewable sources.

"This is an environmentally responsible, small scale local solution for local waste that would otherwise fill up [landfill](#), commented Nick Dawber, managing director of Energos.

A planning application is expected to be made towards the end of summer with a view to securing planning consent in early 2013.

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[Viridor Contract for Waste Gasification, AD & Recycling Facility in Glasgow](#)

Viridor - a part of the Pennon Group (LSE: PNN) - has signed a 25 year contract with contract with Glasgow City Council to Design, Build, Finance and Operate a 200,000 TPA recycling, AD and waste to energy gasification facility in the city.

[U.S. Plasma Gasification Waste Treatment Firm Secures Investment](#)

Bend, Oregon based InEnTec, a developer of a plasma gasification technology to convert wastes into fuels and other products, has secured a strategic investment from Lakeside Energy.

[Council Bids to Tear up Waste to Energy Contract in Plymouth](#)

Plymouth Council is to commission an independent review of MVV's planned waste to energy facility in Devonport, which had previously been formally approved by the council.

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