

Putting waste to work - biogas to energy

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The City of Johannesburg's water management company, Johannesburg Water (JW), has proven the business case for alternative energy solutions with the commissioning of a second municipal wastewater biogas-to-energy plant in Diepsloot. At the plant, more than 405ML of sewage is treated per day and it has been in full operation since August 2012.



JW since commissioned a second biogas-to-energy project at its Driefontein waste water treatment works (WWTW) with operations expected to commence in October 2016.

Biogas-to-energy technology has the potential to reduce a WWTW's reliance on conventional energy, but for some municipal plants, opportunities may be secondary to water treatment challenges, including sludge quality and plant management.

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