

Energy from waste water

SCOTTISH WATER USES SEWAGE GAS AS AN ENERGY SOURCE

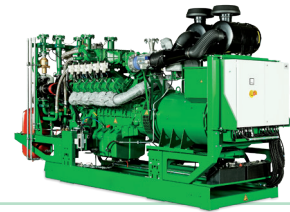
Scottish Water is a public sewage plant in Cumbernauld, located north of Glasgow, Scotland. Scottish water provides around 1.34 billion liters of drinking water and cleans 847 million liters of waste water each day. Large quantities of sewage sludge accumulate in the waste water cleaning in the sewage plant. This is stored in large fermentation

thermal energy. This covers a large share of internal electricity requirements. The heat is used to heat the building facility and aid the fermentation process in the fermenter. In this manner, the two CHP modules drastically reduce energy costs at the sewage plant.

Both units are installed in a container and were commissioned quickly in a plug-and play process after a brief preparation time. Each of the two containers was equipped with a dedicated gas cleaning and drying system to ensure a consistently high gas quality.



tanks. The sewage gas obtained in the process has been used as fuel by two avus 500plus units for production of electrical and thermal energy. The two units from 2G each produce 550 kW of electrical energy and 543 kW of



Scottish Water
scottishwater.co.uk

avus 500plus
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2 x 550 kW electrical
2 x 543 kW thermal
Container solution

