

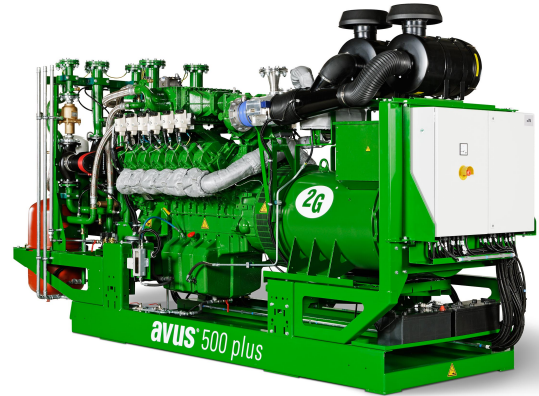
# avus 550 - 2,000 kW. biogas.

## built for big tasks.

The avus is a highly-efficient 2G power plant for high electric power consumption (above 500 kW) which is used in larger industrial projects or for supplying micro grids.

The modular built systems include all components and are easy to install.

- Interconnection of multiple units allows for higher electrical output. A Master Control system enables synchronization and load sharing up to 5 modules.
- Efficient running mode and operation times due to excellent engine quality.



Type	Configuration	Output		Efficiency		
		Electrical	Thermal	Electrical	Thermal	Total
<b>avus 500 plus</b>	ct135.0	550 kW	2,002 MBTU	40.6 %	43.3 %	83.9 %
<b>avus 600c</b>	C	600 kW	2,190 MBTU	40.4 %	43.1 %	83.5 %
<b>avus 800c</b>	C	800 kW	2,859 MBTU	40.7 %	42.7 %	83.4 %
<b>avus 1200c</b>	C	1,200 kW	3,900 MBTU	42.8 %	40.7 %	83.5 %
<b>avus 1500c</b>	C	1,560 kW	5,374 MBTU	41.7 %	42.1 %	83.8 %
<b>avus 2000c</b>	C	2,000 kW	6,817 MBTU	42.3 %	42.2 %	84.5 %

## applications.



Biogas Plants



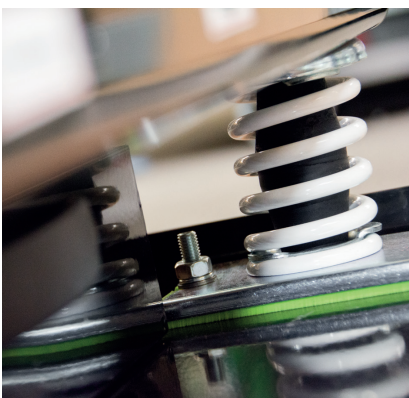
Waste Water Treatment Plants



Agricultural Businesses



Landfill Sites



# Three Rivers Landfill Pontotoc, MS

avus 1,200 kW  
Biogas

## Fast Facts:

**Location:** Pontotoc, MS

**Generating Capacity:** 1,200 kW

**Configuration:** Container Module

**Extras:** Biogas Treatment System,  
Siloxane Removal



## About the Site:

Like many landfills around the country that are currently flaring off a valuable fuel that could be used to produce energy, this customer is using a 2G avus 1200 LFG CHP to turn their free fuel to energy.

This 2G LFG to Energy module is fully equipped with all interconnection switchgear required by the local utility for feeding all 1,200 kW/h into the grid.

## Application

The amount of electricity produced by this CHP is sufficient enough to power over 1,000 homes in the surrounding area. Along with all the required switchgear that is supplied as a standard component with every 2G package, the customer also selected a comprehensive gas treatment system for the removal of harmful Siloxanes typically found in LFG. This gas treatment consists of a triple vessel AVK 1000 carbon filter and oversized gas dehumidification system to remove all condensate and moisture in the raw LFG before it enters the combustion and energy conversion process.

