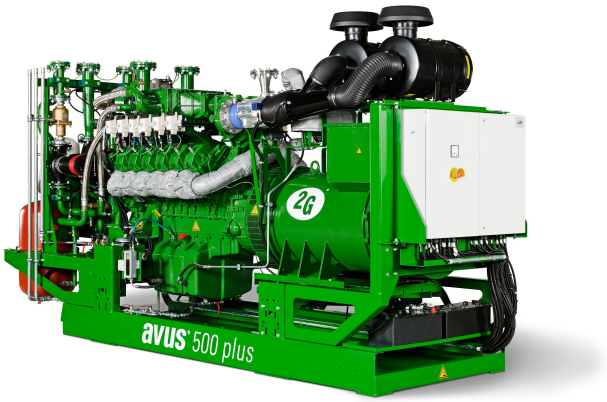
avus 499 - 2,500 kW
Natural Gas

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	Output		Efficiency		
	Electrical	Thermal	Electrical	Thermal	Total
avus 500 plus - Mexico Specific	499 kW	1,941 MBTU	39.7 %	45.3 %	85.0 %
avus 500 plus	550 kW	2,084 MBTU	40.6 %	45.1 %	85.7 %
avus 600c	600 kW	2,320 MBTU	42.2 %	45.9 %	88.1%
avus 800c	800 kW	3,043 MBTU	42.4 %	45.7 %	88.1 %
avus 1200c	1,200 kW	4,080 MBTU	43.4 %	43.2 %	86.6 %
avus 1600e	2,014 kW	7,407 MBTU	43.3 %	46.7 %	90.0 %
avus 2000c	2,000 kW	6,793 MBTU	43.4 %	43.2 %	86.6 %
avus 2000e	2,521 kW	9,283 MBTU	43.6 %	46.7%	90.3 %

Applications

Office and Administration Buildings

Shopping Centers

Sports and Rec Facilities

Residential Buildings

Swimming Pools

Senior Citizen Centers

Hotels

Schools and Universities

2G. Combined Heat & Power.

www.2g-energy.com

sales.us@2-g.com

904-579-3217

Erlanger Hospital
Chattanooga, TN

4 x avus 2,000 kW
Natural Gas

Fast Facts:

Location: Chattanooga, TN

Generating Capacity: 8,000 kW

Heat Recovery: Steam generators, hot water, and chilled water

Gas Type: Natural Gas

About the Site:

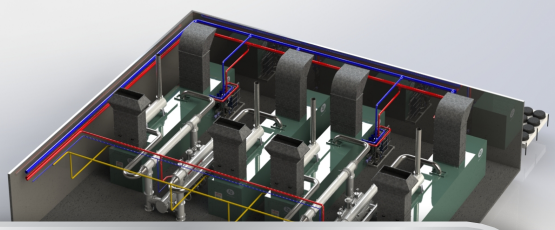
Erlanger Baroness Hospital is a non-profit academic teaching center affiliated with the University of Tennessee's College of Medicine. It is also the area's primary trauma center and a Level-One Trauma Center for adults. Located in Chattanooga, TN, it is recognized as one of the nation's finest public hospitals and a leader in healthcare.

Generates

- 52,000 MWh electricity annually
- 12,000 lb/hr 115 psi steam
- 800 tons chilled water

Application

The system for this facility is four (4) 2G Energy avus 2000 CHP units (total of 8,000 kW). Each Heat Recovery Steam Generator (HRSG) is connected to two CHP units. The fourth engine is placed in standby and used when other engines are out for planned or unplanned maintenance.



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