

# BIOGAS GENSET ENQUIRY FORM



## GENERAL INFORMATIONS

Company : .....  
Contact Person : .....  
Telephone : .....  
Fax : .....  
E-mail : .....  
Company Address : .....  
.....  
.....

## TECHNICAL INFORMATIONS

Project Name : .....  
Project Address : .....  
Estimated Commissioning Date : .....  
Generator Quantity : .....  
Generator Power (kVA@ 0,8 power factor) : .....  
Voltage (V) L-L : .....  
Installation : Room  Canopy  Other   
Altitude at site (m) : .....  
Max. and min. ambient temperature at site (°C/F) : .....  
Gas Pressure (mbar/PSI) : .....  
Gas Temperature (°C/F) : .....  
Gas Flow rate (m3/h) : .....

## REQUIRED EMISSION REGULATION

TA-Luft :   
½ TA-Luft :   
Non emission compliant :   
Specify other : .....  
.....  
.....

# BIOGAS GENSET ENQUIRY FORM



## CONTENTS OF BIOGAS (%)

The fuel is a unique mixture of component gases that can be combustible or inert. The mixture is typically composed mostly of methane (CH<sub>4</sub>) with smaller percentages of heavier hydrocarbons from ethane (C<sub>2</sub>H<sub>6</sub>) to heptane (C<sub>7</sub>H<sub>16</sub>). Gases such as carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), nitrogen (N<sub>2</sub>), helium (He), hydrogen (H<sub>2</sub>), and hydrogen sulfide (H<sub>2</sub>S) may also be present. Some fuel gases, particularly landfill gas, may contain contaminants such as water, siloxanes, chlorinated hydrocarbons, and particulate matter.

	% Values		% Values		% Values		% Values
I-C <sub>4</sub> H <sub>10</sub>	.....	CH <sub>4</sub>	.....	N-C <sub>5</sub> H <sub>12</sub>	.....	C <sub>2</sub> H <sub>4</sub>	.....
N-C <sub>4</sub> H <sub>10</sub>	.....	C <sub>2</sub> H <sub>6</sub>	.....	C <sub>6</sub> H <sub>14</sub>	.....	C <sub>3</sub> H <sub>6</sub>	.....
I-C <sub>5</sub> H <sub>12</sub>	.....	C <sub>3</sub> H <sub>8</sub>	.....	C <sub>7</sub> H <sub>16</sub>	.....	He	.....
CO <sub>2</sub>	.....	N <sub>2</sub>	.....	H <sub>2</sub> S	.....	H <sub>2</sub>	.....
CO	.....	O <sub>2</sub>	.....	H <sub>2</sub> O	.....	other	.....

Total Siloxane (microgram/liter)

Ammonia (mg/m<sup>3</sup>) (0°C / 101.3kPa)

Halogens (flourine, chlorine, bromine, iodine) and

Halogen compounds (chlorinated hydrocarbons,etc.)

Chloride (TOH/Cl) (microgram/liter)

## REQUIRED EMISSION REGULATION

- Island operation :
- Peak shaving (various power production, synchronise with the mains) :
- Base load (fixed power production ,synchronise with the mains) :

- Please send us the electrical single line diagramme of the project.
- Please fill the form as completely as possible.
- Power output values and step load response may show variability according to the gas contents.

Notes : .....

.....

.....

.....