



# *The Biogas Technology*

## **MEMBRANE SYSTEM**



*In May 2001, Biogas Technology Limited acquired the technology and patent rights to produce membranes for CO<sub>2</sub> removal from landfill gas.*

### **FEATURES**

- *Recovery of methane from landfill and digester gas*
- *Methane enrichment from 50% to 90%*
- *80% recovery of methane*



### **APPLICATIONS**

- *Reticulation*
- *Vehicle fuel (replace petrol or diesel)*
- *Bottled gas*



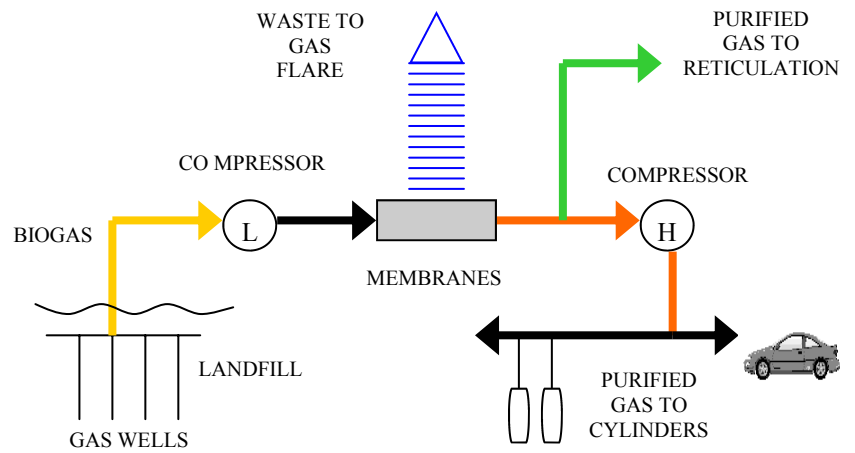
### **BENEFITS**

- *Reduced emissions*
- *Elimination of black smoke from diesel engines*
- *Utilization of an otherwise wasted source or renewable energy*
- *Environmentally friendly*
- *Cost reduction*



## IMPROVEMENTS

The acquisition of this technology has allowed us to undertake a programme of development to deliver a safe and improved system to the market place.



## THE TECHNOLOGY

The basic principle of membrane technology is to take landfill gas and filter it through the membrane module separating the methane ( $CH_4$ ) and the carbon dioxide ( $CO_2$ ). The methane rich gas stream produced can then be used for various applications including vehicle fuel.



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FURTHER  
INFORMATION ABOUT  
THE BIOGAS  
MEMBRANE SYSTEM.

## EXPERIENCE

Biogas Technology has been established in the landfill management business for over 10 years. Biogas specialise in gas and leachate systems and landfill aftercare.



**BIOGAS  
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