



Sunnytek & Partners are happy to offer a complete solution to produce biogas and convert it to a high quality methane source for kitchen gas or truck, bus / car use. We offer a complete solution from the substrate intake to gas on bottles or a gas tank station. Technology is newest designs from Sweden but tested and approved to work reliable. There are many sources for raw material and substrates suitable for biogas production. Sewage water plants, brewery and slaughter houses, poultry and farming, fish in dusty etc. Often the value of the waste available here is not used in a smart and profitable way. It is often a problem and not a good extra income for the producer. Common is also costs for dumping fees for landfills at city dump. Here we convert a problem to a profitable new income.

Features of biogas concept and systems.

- * Use waste to produce a highly valuable gas that generates a good extra income
- * Biogas system of a horizontal digester design with only about 10 days cycle time
- * Digester produce a high valuable raw gas and a high quality fertiliser
- * Highest output in methane output by smart integrated 100% process and no external storage
- * Rotating mixer inside digester makes insensitive for sediments
- * Fertiliser with no smell and no bacteria and sterile and harmless
- * Highly automatic operation mostly unmanned and PLC control + web interfaces
- * Container design makes installation simpler and less costly

Processing unit for converting raw mixed biogas gas to clean high quality Methane is a separate unit located after the digester unit.

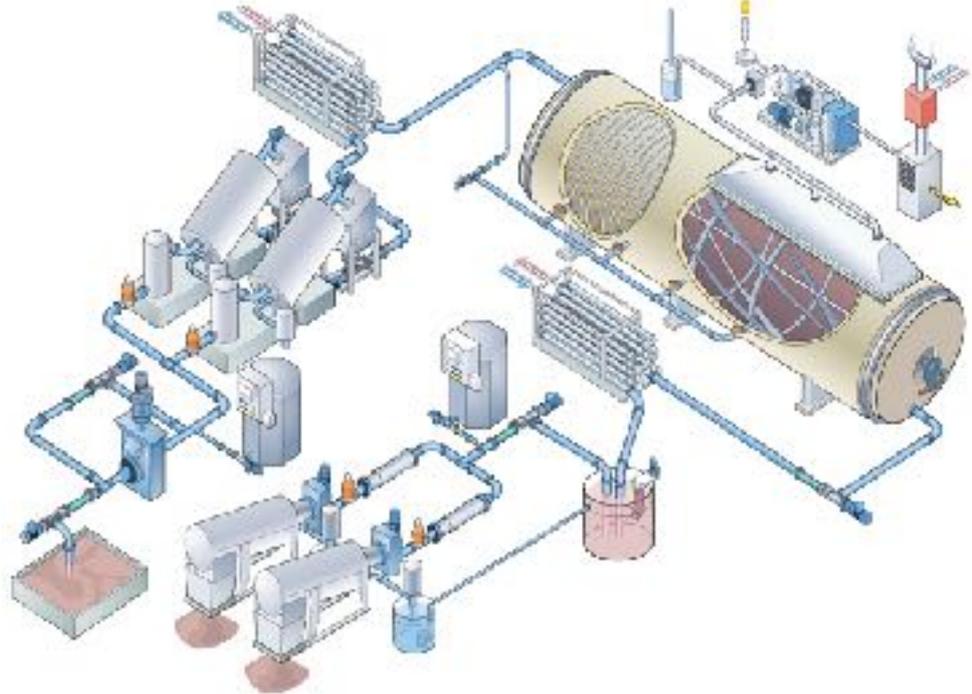
- * Container design easy to transport , install and use.
- * New technology for compact size and reliable operation day and night
- * Zeolite based cleaner with very low maintenance and long life time
- * Produce clean Methane for kitchen gas in bottles with a gas fill station with compressors
- * Produce fuel for busses, trucks and cars both diesel and gasoline
- * We have a converter for driving any car on gas that is cost efficient.

Sunnytek and partners offer the complete solution and ready to use production line. We also offer the engine add ons to operate any motor in gas. This includes generators and any car or bus. In Stockholm many busses use Biogas as they give far less emissions of smoke etc.



Sunnytek Solar Sweden
Biogas solutions by Sunnytek & Partners

Layout of a complete system used for producing biogas from sewage water. This is installed in Sweden since 2 years and perform very well. Here digester is 200 M3 in volume and cycle time is 10 days. Capacity is 20 ton substrate / day. System included preprocessor and mill and equipment to see all get correct. This system covers all waste water and sewage waste in a 20000 inhabitants city in Sweden



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Sunnytek Solar Sweden

Biogas solutions by Sunnytek & Partners

Raw gas to pure high quality methane converter.

The zeolite based system is very smart and simple to operate. One advantage is that it can be made in small sizes and still costs are reasonable compared to very large systems. The modular concept with zeolite absorbers is here very much simpler than other complex and costly solutions.

Smallest systems can produce only 20 NM³/ hour and largest have no end in size.

Zeolites are regenerated and can be used for almost ever with no replacement so conversion costs get attractive.

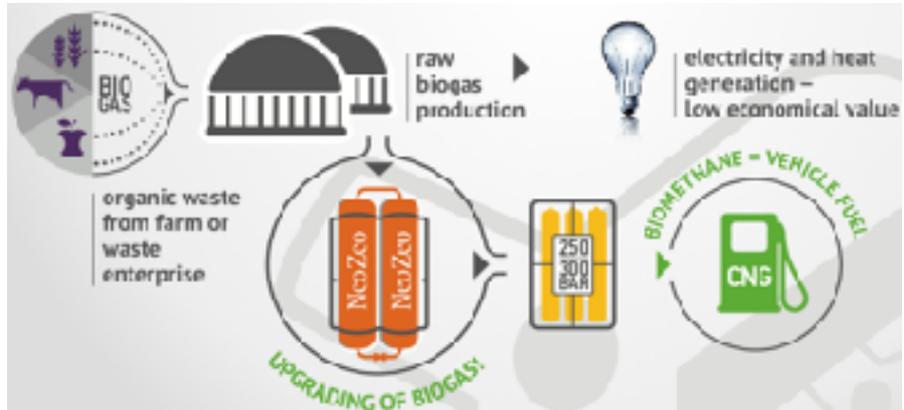
Option we have is a flask tank station for kitchen gas that can be local as costs are realistic

We can also make a gas tank station for all types of trucks and busses as well as cars like Taxis. This is still not very complicated

If better just send all gas over a pipe into a gas pipe line system that is common in many cities.

Sunnytek & Partners offers the complete setup for all applications and sites upon demands.

In some cases we can arrange a finance package and leasing agreement if preferred.



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