Biogas Plant
from Waste to Energy

Complete plants from process engineering to plant operation
WASTE to ENERGY

Instead of spending money for waste disposal, you can generate electric and thermal energy from organic waste to support the energy demand of your application or to sell to the local power supplier.

Applications
- Food industries
- Agro industries
- Slaughter houses
- Diaries
- Waste water treatment plants
- Farms and etc.

Input
- Communal organic waste (household waste)
- Green and plant waste
- Industrial food waste (organic material, process water)
- Communal sewage sludge
- Liquid or solid manure (Animal farms)

Output
- Heat: 1 ton slaughter house waste (30% dry matter) can produce 683 kWh th.
- Electricity: 1 ton slaughter house waste (30% dry matter) can produce 618 kWh el.
- Fertilizer: Nutrients are better available for plants than in mineral fertilizer.
- No costs for disposal of organic material
**Renewable Energy:**

Energy derived from oil, coal or nuclear power is getting more difficult to access day by day because of the rising prices, pollution of the environment, health risks and availability. On the other hand the sources of organic waste are increasing, waste disposal is costly and has environmental impact.

In a biogas plant you convert organic waste through fermentation and co-generation to energy and beneficial fertilizer.

**We are offering:**

- Feasibility studies
- Plant design
- Process engineering
- Construction and installation supervision
- Start up
- Operation supervision (Control of microbiology)
- Equipment
- Digester
- Agitators
- Pumps
- Gas storage tanks
- Co-generator
- Desulphurization plants
- Flares
- Biogas handling equipment
- Waste gas bio-filters