

BIOGAS

AN ALTERNATIVE ENERGY

**Complete packages from the development
to the plant operation**



Biogas plant - 700 kW - manure and silage

WASTE to ENERGY



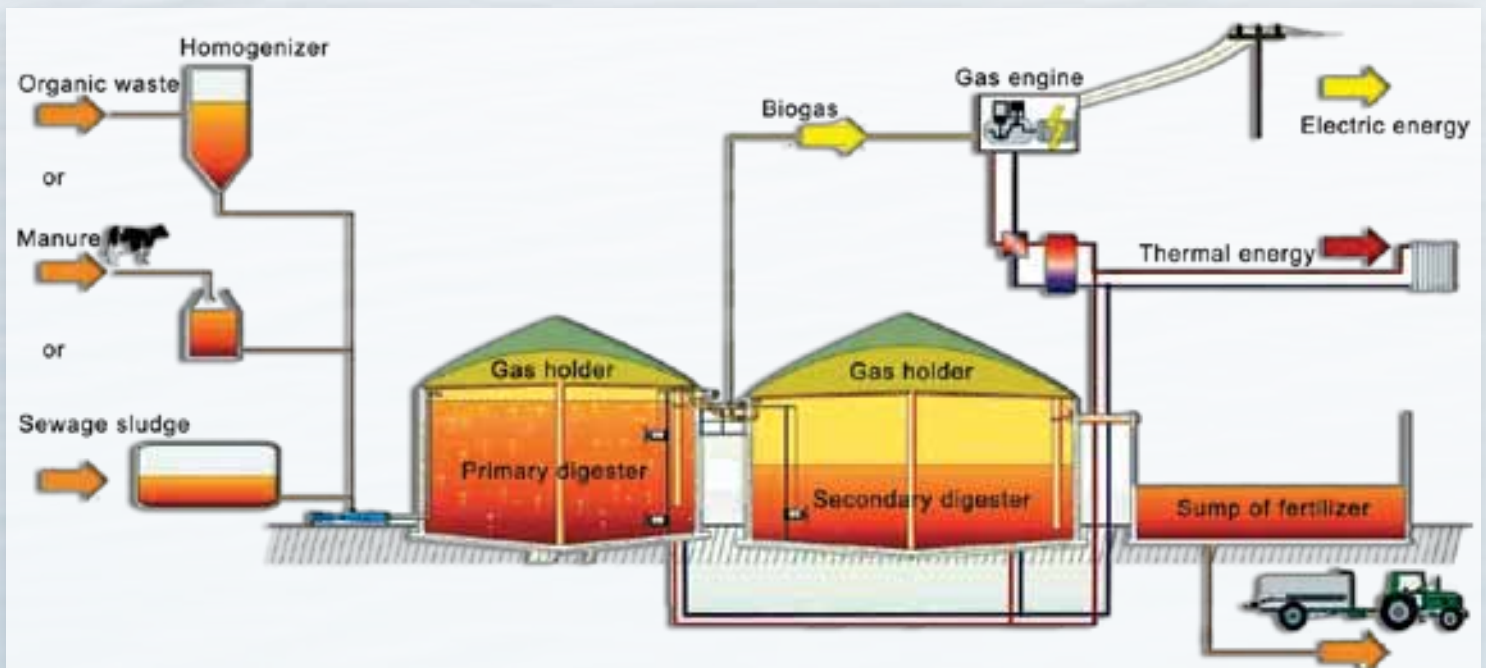
Biogas plant - 1.4 MW - food waste



Biogas plant - 500 kW - manure and silage

Applications:

- 🌱 Food industries
- 🌱 Diaries
- 🌱 Agro industries
- 🌱 Waste water treatment plants
- 🌱 Slaughter houses
- 🌱 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

Biogas plants from the development to the plant operation



Biogas plant - 500 kW - manure and silage



Co-generator - 1.3 MW – food waste

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



Biogas plant - 500kWel



Biogas plant - 700 kW - manure and waste

The complete package from one hand



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