

renewable natural gas

- Renewable Natural Gas (RNG) and electrical power from grass, manure and forage.
- "Gas farms" for tropical regions.



Rural Development in Tropical Countries

NEXT

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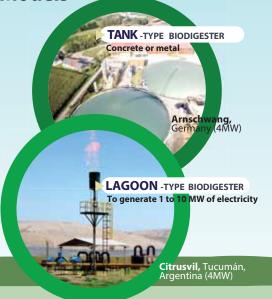








Models



TECHNOLOGY

Integration of the SAUTER and BIOTEC technologies

- Any feedstock can be used
- Low operation and maintenance costs
- High biological stability

CONCEPT

- The biodigesters are fed with fresh biomass, without water addition
- Liquid bio-fertilizer (digestate) is generated and is applied by irrigation or tanker on crops, replacing the chemical fertilization

METHANE PRODUCTION

Around 10.000 m3 CH, per hectare per year

STANDARD SIZES

- 1 MW (250 m³ CH₄/h)
- 1 2 MW (500 m³ CH₄/h)
- 4 MW (1.000 m³ CH₄/h)

REFERENCES (since 2006)

- 30 "tank type" biodigesters in Europe (75 to 6.000 kW)
- 30 "lagoon type" biodigesters in tropical countries (750 to 5.000 kW)
- Total installed power: 70 MW

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Biogas uses

- Industrial gas supply
- Home gas supply
- Grid electricity supply
- Off-grid electricity supply

Source of local development

- Agricultural employment generation (1 farmer for between 3 and 10 ha)
- Technical employment generation (biodigestion and biogas use)
- Circular economy in municipalities

BIOTEC

- Lagoon-type biodigesters from 5.000 to 40.000 m³
- More than 30 years of experience in the Tropics

SAUTER

- Biodigesters from 500 to 10.000 m³
- Patented sprinkling technology





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Feedstoock



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