

GAS FARMS



FROM FOSSIL
NATURAL GAS
TO RENEWABLE
NATURAL GAS

Fundamentals:

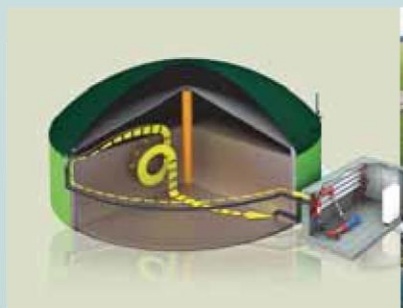
- Renewable energy is a must
- Renewable Natural Gas (RNG) is well suited for tropical countries, like Bioethanol and Biodiesel
- RNG is generated by the fermentation of biomass, basically grass
- Biomass fermentation generates at the same time energy (biogas) and liquid organic fertilizer to assure the sustainability of the biomass production
- Twenty hectares of King Grass generate 200,000 m³ CH₄ / year which allows supply gas to a population of 1,000 houses or supply electricity (2000 kWh / day) to a population of 500 houses
- One million hectare of grass generates 10.000 million m³ per year, sufficient to produce 4.500 MW x 24 h/day x 365 days/year
- At long term, RNG can substitute the fossil natural gas
- At short term, RNG is a solution for remote places

Technology:

Grass fermentation at large scale without necessity of mixing (SAUTER patent)

Alliance:

Agrogaz is an alliance between SAUTER (Germany) and BIOTEC (Belgium)



In tropical climate, a 200 ha Napier Grass farm generates 1 MW x 365 days per year

www.agrogaz.com

agrogaz@agrogaz.com

agrogaz
renewable natural gas

biotec
SAUTER
BIOGAS GMBH