

DOES METHANATION OF BIOGAS START MAKING SENSE?

CO₂ CONVERTING TECHNOLOGY

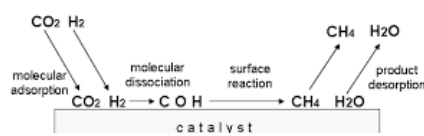
BioGas main content is based on a mixture of CO₂ and CH₄, usually in the respective balance of 40/60 or 50/50 %.

Would it not be exiting to also transform the CO₂ content to CH₄, and produce almost 100% CH₄ or Natural Gas from BioWaste?

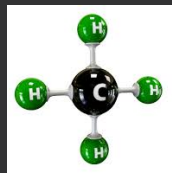
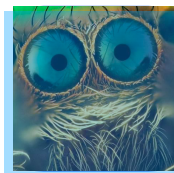


NGCC
Advanced Gas Treatment

SABATIER REACTION $CO_2 + 4H_2 = CH_4 + 2H_2O$



Chemical Reaction



GREEN ENERGY BECOMING CHEAPER & MORE EFFICIENT, WHILE NATURAL GAS PRICE INCREASE

- Windmill & H₂-Electrolyzers More Efficient & Cost-Effective Than Ever.
- Higher Natural Gas Prices Dictate More Investment Flexibility

WHICH TECHNOLOGY COMPONENTS ARE NEEDED ?

- NEW SULPHUR REMOVAL TECHNOLOGY 50 ppbV
- NEW CO₂ METHANATION CATALYST
- HIGHEST EFFECTIVE GREEN ELECTRICITY SOURCE
- ADVANCED METHANATOR REACTOR SYSTEM



NGCC OFFERS:



NG-SERIES SULPHUR / H₂S REMOVAL SYSTEM
NEW CO₂ METHANATOR REACTOR MODULE

COMBINED WITH PARTNER TECHNOLOGY:
COMPLETE TURNKEY UNITS - 97% CH₄

FROM BIOGAS TO PURE BIO-CH₄

NGCC OFFERS :

97% CO₂ CONVERSION TO BIO-CH₄

AT REACTION/REACTOR CONDITIONS:
PRESSURE 8 BARG / TEMPERATURE 280°C

- ✓ WEB SITE: WWW.NGCCCORP.COM
- ✓ CONTACT : INFO@NGCCCORP.COM
- ✓ LOCATION : THE NETHERLANDS