

Biogas plant for the industry

- Reduce emissions
- Produce energy from waste
- Increase profitability

References since 2007

PRINCE EDWARD ISLAND Biogas Plant, Canada



RIO CUARTO II Biogas Plant, Argentina



FUKUOKA Biogas Plant, Japan



Input:
Potato raw material, oil, potato sludge

Digester:
Glas coated steel tanks
4 x 5,500 m³

Input:
Thin stillage, a residual material from bioethanol production

Digester:
Glas coated steel tank
8,000 m³

Input:
Vegetable waste, residue of shochu, sludge from WWTP, okra, gluten

Digester:
Enamelled steel tank, 2 x 5,000 m³

Lectures / Publications / Videos

THIES, R., LATINOVIC, S. and Dr. K. BACKES 2021
Delving into the integration of biogas and bioethanol production in Argentina with Krieg & Fischer Ingenieure and Bioelectrica: "A match made in heaven."
Publication in journal Bioenergy-Insight, Edition Jan/Feb, Volume 12 Issue 1, S. 32 ff (2021)

Video made by Biogas Channel
Bioethanol: An Interview with Biogas Channel
Rio Cuarto, Argentina: Synergy effects between biogas and bioethanol
Biogas Channel, March 2022

Video made by Deutsche Welle
Energie aus Abfall - Biogasanlage für Russland
Im russischen Belgorod hat ein deutsches Unternehmen das erste Bio-Heizkraftwerk aufgebaut.
Deutsche Welle, April 2013

Bioenergy biogas

Delving into the Integration of biogas and bioethanol production in Argentina with Krieg & Fischer Ingenieure and Bioelectrica

A match made in heaven

Rio Cuarto biogas plant in Argentina shows that biogas can be successfully included in the bioethanol value chain. This project, anaerobic digestion (AD) offers a proven solution for the efficient conversion of organic waste from corn.

bioethanol producer (BioE), consumer of natural gas for the production of ethanol from ethanol production waste, was the first to come up with the initial idea of finding a suitable solution for the conversion of organic waste from corn. These disadvantages must be considered when planning the construction of a biogas plant provided an opportunity for self-renewable energy.

biothane plant designed to process 130,000 tonnes per year of organic waste from corn-based bioethanol production. The plant has a capacity of 100,000 m³ and a digester tank and equipment needed to produce ethanol under highly corrosive conditions. A continuous stirred tank reactor system was chosen

Thin stillage / Bioethanol production and biogas
Helping to achieve climate goals
Biogas World Expo AWARD 2020, Argentina
Reducing water, energy, urea etc.

Integration of biogas and bioethanol production
Project in Argentina, Biogas plant Rio Cuarto II
Including anaerobic digestion in bioethanol value chain

Energy from waste, Russia, Belgorod
Sewage sludge, slaughterhouse sludge
Large agriculture, industrial biogas plant

Brochure

Biogas Plants: Engineering • Construction Operation • Optimization



Tailor-made biogas plants
Independent engineering office
Experience with different feedstock
Technical details of biogas plants
165 references worldwide