Biogasplant for

Renewable-Natural-Gas

Krieg & Fischer Ingenieure GmbH

- ☑ Produce regenerative energy
- ☑ Reduce emissions
- ☑ Increase profitability

References since 2009

SEMD
Biogas Plant, Germany

Input: Corn silage
Gas production: 3,2 Mio. m³/a biogas; injection into grid
Digester: Prestressed concrete prefabricated, element tank 2,500 m³

VIERVERLATEN
Biogas Plant, Netherlands

Input: Sugar beet pulp, sugar beet fragments, potato waste
Gas production: 16.7 Mio m³/a biogas, 10.5 Mio m³/a RNG; injection into grid
Digester:
Glas coated steel tank 4 x 4,600 m³

JCBE DERBY
Biogas Plant, UK

Input: Hydrolised kitchen Cat. 2, paper & cardboard waste, straw
Gas production: 1,200 m³/h biogas, over 6 Mio. m³/a RNG
Digester:
Concrete steel tank 2 x 5,300 m³

Lectures / Publications

LATINOVIC, S.; KORTE, A. and RUNGE, S. 2023
Heiligengrabe biogas plant conversion from electricity to biomethane
in Biogas World Showcase Report, edition September 2023
BIOGASWORLD MEDIA INC
September 2023

Services - Engineering
HEILIGENGRABE BIOGAS PLANT CONVERSION FROM ELECTRICITY TO BIOMETHANE
PROJECT DATA
UNIQUENESS OF THE SOLUTION

Modernization of existing biogas plant and switch from electricity to RNG production
CO_2 savings by change in substrate mix
Biogas production 905 Nm³/h

FISCHER,T. and LATINOVIC, S. 2022
Technical Challenges in Biogas/Biomethane Plants for Production of Biofuels
Advanced Biofuel Forum, Amsterdam 30.11-01.12.2022

Technical Challenges in Biogas/Biomethane Plants for Production of Biofuels
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Biomethane supply chains
Expert witness reports
Biogas plants common deficiencies
RNG plant case study
Education of biogas plants operators

FISCHER,T. and Dr. K. BACKES 2019
The real engineering challenge when implementing biogas plants with biogas upgrading and mobility
IBBK-Conference: "Fortschritt bei Biomethan-Mobilität", international conference with exhibition and excursion, 15.-17th October 2019, Akademie Schloss Kirchberg, Schwäbisch-Hall, Baden-Württemberg

The real engineering challenge when implementing biogas plants with biogas upgrading and mobility
Planerische Herausforderungen bei der Umsetzung von Biogasanlagen mit Biogasaufbereitung und Mobilität
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RNG engineering challenge
Concept analysis
CNG fueling station
Relevant technical regulations
Hazardous areas

Brochure

Biogas Plants:
Engineering • Construction
Operation • Optimization

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

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