## Proven Solutions for Biogas Plants in the Sugar Industry



Krieg & Fischer Ingenieure GmbH is an expert engineering company specialized

in biogas technology.

We have 30 years of experience in biogas plant design, engineering and construction.

We develop tailor-made solutions for biogas plants; competent, innovative and independent of equipment suppliers and subcontractors.

Krieg & Fischer Ingenieure GmbH is globally active in the biogas sector. Our experience includes more than 160 references, all over Europe, North & South America, Asia and Africa. As German based company, we work according to German standards. With special focus on safety technology, we reduce the impact of emissions on the environment and contribute to improving work safety.

Starting from simple farm-scale biogas plants for fermenting agricultural waste 30 years ago, Krieg & Fischer Ingenieure GmbH is now leading firm in complex, multi-stage, industrial anaerobic fermentation technologies for organic waste and by-products from the industry, as well as municipal waste biogas plants. For our outstanding work, we have received AD & Biogas Industry Award 2020 in the organisation of World Biogas Association.

From concept to commissioning of biogas plant, our clients benefit from our particular process know-how and independence. We define the optimal solution for each project, assessing the client's needs and different options for each component of the biogas plant.



"Biogas is untapped potential for most of sugar producers. It offers an opportunity to shift from fossil fuels, reduce carbon emissions and increase profitability.

Our first reference from sugar industry dates back to 2011, with Dinteloord biogas plant designed for Dutch based sugar producer. Based on this successful cooperation, same client awarded contracts for two more biogas plants (Vierverlaten and Anklam) to our office and became one of the largest biomethane suppliers in the region", says Mr. Torsten Fischer, founder and Managing Director of Krieg & Fischer Ingenieure GmbH.



Every year, 436 thousand tons of organics from sugar industry are converted into 36 Mio m<sup>3</sup> of biomethane in biogas plants designed by Krieg & Fischer Ingenieure GmbH. So far, these organics include: sugar beet residues, fragments and leaves, sugar beet pulp, residues from processing and molasses. Send us the list of available substrates and we will prepare energy calculation and a cost assessment for your customized biogas plant.





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