## THE BIGGEST NAME IN BIOGAS OPTIMIZATION

**Wherever you're located, whatever feedstock you're using, and whatever size digester you have, we can help to stabilize your biology, maximize your biogas yields, and boost your profits.**

70+ consultants worldwide

Biogas experts since 2006

31,935 individual trace element formulations

Customer base of 3,800+ biogas plants

290,000+ digester samples analyzed

Own 775kW biogas plant for product R&D

# IRON SOLUTONS FOR $H_2S$ BIOGAS CONTROL

## DESULFURIZE YOUR DIGESTER >>> FAST!

**Schaumann BioEnergy Consult GmbH**
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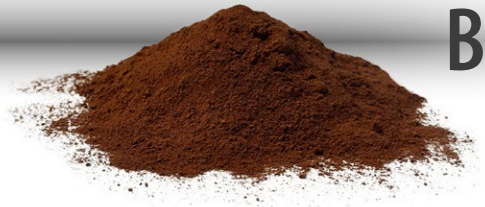
# PROTECT YOUR DIGESTER FROM UNWANTED $H_2S$

## FAST-ACTING IRON ADDITVES FOR EFFECTVE DESULFURIZATION



## BC.ATOX Scon

Feedstocks such as food waste, slurries and chicken litter can produce high levels of hydrogen sulfide ($H_2S$) in the digester. This is detrimental to the anaerobic digestion process, having a toxic effect on digester biology, damaging tanks and equipment, and posing a danger to life in the biogas.

The most effective way to manage $H_2S$ levels is through the addition of iron. Freshly precipitated amorphous iron compounds ensure the fastest reactivity. On the other hand a higher iron content always indicates an increased proportion of less reactive iron oxides.
The decisive criterion for effectively binding sulfur is not the total iron content in the product, but the amount of available, reactive iron.

**WHY CHOOSE BC.ATOX Scon?**

- // Rich in iron hydroxide
- // Fast acting
- // Expertly blended
- // Non-toxic
- // Non-corrosive
- // Converts hydrogen sulfide to harmless iron sulfate within hours, removing $H_2S$ from your digester

*"After struggling to keep on top of our $H_2S$ levels, we used BC.ATOX Scon and quickly gained control of the process, improving our gas quality. It's highly reactive so if our feed changes and $H_2S$ levels start to rise again, we can increase the dose to quickly bring them back down."*
*Craig Botterill, ENER-G BIO Ltd*

# EXTERNAL DESULFURIZATION IN A NEW SOLUTION APPROACH

## REMOVE $H_2S$ AFTER DIGESTION

## FERRUM Scon

FERRUM Scon products for gas purification offer a highly efficient, cost-effective and flexible alternative to activated carbon, as they can be used in almost all commercially available filter systems. There are two product lines to choose from, depending on the existing gas humidity. Further customisation to the technical conditions can be achieved via the particle sizes.

**WHY CHOOSE FERRUM Scon?**

- // Desulfurization in external filter
- // Highly efficient, cost-effective, flexible alternative to activated carbon
- // Increases $H_2S$ purity in the biogas for CHP utilization or biomethane upgrading