CONCEPT

INWAFERM is an innovative digester type of attractively low investment and operational costs, yet allowing the application of the most versatile feedstock or sludge. Inwatech constructs flat type digesters facilitating the digestion of feedstock or sludge with very high thickness and organic content. Important parts of INWAFERM concept are:

- *Cost-effective, low energy demand tank mixing and heating system*
- *Integrated biological biogas treatment for H_2S removal with polishing step BIOGINWA*
- *Integrated variable volume biogas buffer at top of the reactor*

We apply proven, self-developed components including Inwatech's state of the art control equipment which is also easy to integrate into existing systems. Our past experience also covers all necessary equipment to treat and convert biogas into energy, in whatever form it is required (electricity, heat, bio methane, steam). Inwatech's digesters are also well suited for fermentation of sewage sludge.

FLEXIBILITY

Inwatech's customers are all over from various industries and municipalities as well as from the agricultural sectors that require the utilisation of the widest parameters of biosolids and sludge. INWAFERM's clever design layout and the applied equipment provides excellent robustness, technological safety and flexibility.

SUSTAINABILITY

Inwatech offers its extensive experience in optimising energy consumption and biosolids/sludge based renewable energy production. Our digesters bring ecological and economical viable solutions; solutions for reducing energy costs and CO_2 emissions. Inwatech delivers substantially more than just technology. Inwatech offers an integrated approach from project preparation, through implementation to operation.

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