

**ENVIRONMENTAL  
ENGINEERING**  
and **BIOGAS**

**WE OPTIMIZE WATER AND ENERGY**



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# We OPTIMIZE WITH YOU

We offer comprehensive solutions for industrial and municipal waste water treatment.

We optimize waste water plants, digesters, biogas and anaerobic reactors.

We offer special products and common chemicals as well as innovative machine technique for waste water treatment.

Our own production facilities guarantee optimum delivery times and products tailored on customers needs.

## ANALYTICS IS OUR STRENGTH

- > Microscopical analyses of activated sludge
- > Chemical analyses of deposits
- > Water chemical analyses
- > Highly modern technical equipment (Fluorescence-microscopy, REM, EDX, FTIR, ...)



## GENERAL PRODUCT RANGE

### ACTIVATED SLUDGE/ SECONDARY CLARIFIER

- Coagulants
- Phosphate precipitants
- Sludge-index-Optimizers
- Chalk

### DIGESTER/ ANAEROBIC REACTOR

- Enzymes
- Micronutrients
- Defoamers and De-Aerators

### SLUDGE DEWATERING

- polymere Flocculants (pFM)
- Machine technique

### SEWAGE / SLUDGE STORAGE

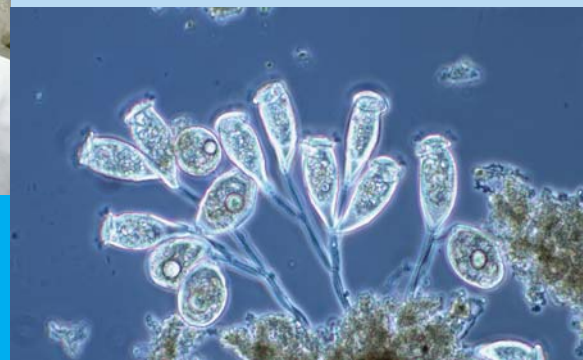
- Odour controllers
- Odour masking agents
- H<sub>2</sub>S-binders

### INDUSTRIAL WASTE WATER

- Heavy metal precipitants
- Demulsifiers

### CLEANING

- Cleaning Agents
- Polymer-binder (BLUESORB® Plus)







## OPTIMIZATION OF ACTIVATED SLUDGE

### Precipitants and Index-Optimizers

- > Reliable precipitation of phosphate
- > Increase of sedimentation rate
- > Effective elimination of bulking sludge and floating sludge

### Chalk for lack of Calcium

- > Increase of acid capacity
- > Stabilization of pH
- > Improvement of nitrification
- > Prevention of flock-break-up



## IMPROVEMENT OF SLUDGE DEWATERING

### Polymere Flocculants

- > Increase of dry matter content in dewatered sludge
- > Stable sludge dewatering
- > Decrease of back-contamination due to cleared centrate



## ODOUR ELIMINATION

### Odour Masking Agents and Odour Binders

- > Effective and rapid-action products
- > Reliable and stable elimination of unwanted odour
- > Easy to use
- > Optimum product selection for your process
- > Application range:
  - in sewer systems
  - at sludge dewatering, at sludge storage
  - in exhaust air of breeding farms, meat-processing industries, waste management companies, compost facilities, ...



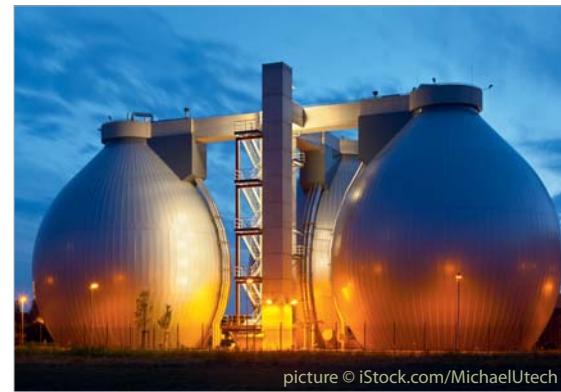


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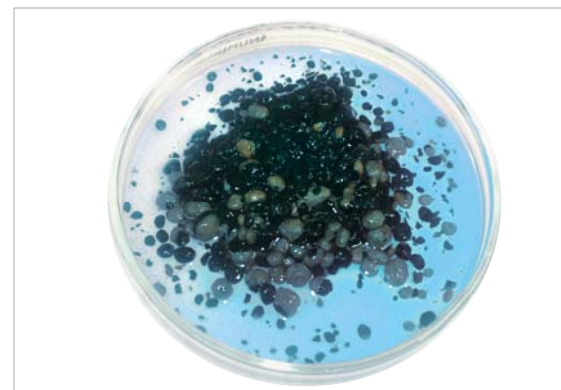
## DIGESTERS AND ANAEROBIC REACTORS

### Enzyme-Mixtures, Micro-/macro-nutrients

- > Boost of gas yield
- > Enhancement of process stability
- > Prevention of foaming
- > Reduction of sludge amount



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## EQUIPMENT AND TECHNICAL SERVICE

- > Polymer dissolving stations
- > Installation and support of dosage equipment

