



„Because Quality Matters,  
Good mood instead of bad air!“

# Corrosion

## Basic issue

In a warm, humid environment (as in sewers, pump wells, sewage plants, digestors etc.), all groups of micro-organisms (algae, fungi, lichen) find their habitat. However, their excrements of intermediate metabolic products and metabolic waste products (such as sulphuric compounds) may affect the materials and cause damage to them.

## Your issue

- biogenic corrosion in closed buildings (sand trap, sewer, pump well, sewage plant etc)
- odour nuisance and damage to the building (e.g. due to biogenic sulphuric acid)
- biofilm formation at interfaces etc

## Consequences

- high maintenance and renovation costs
- shorter service life of buildings and material
- failure of technical equipment (e.g. due to corrosion of electrical controls and switchgear)
- safety and environmental hazards (reduction of static effect)

## Our solution for you

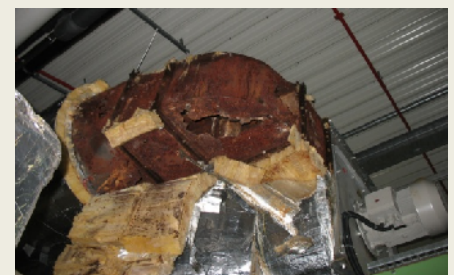
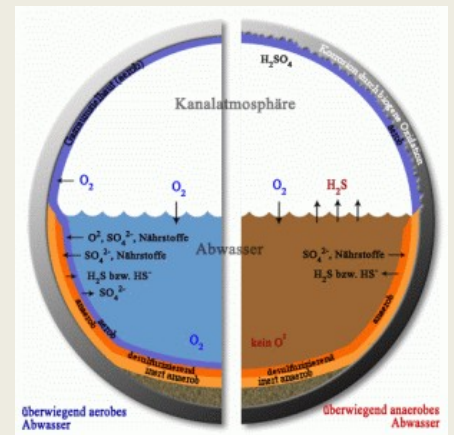
The UGN® BEGA system can counter biogenic corrosion by means of a smart combination of a directed airflow and influence on the biological environment. The microbial growth conditions are curbed and a biochemical exhaust air purification is ensured at the same time.

Beyond that, the system is suitable to degrade organic and inorganic malodorous substances and pollutants in continuous and discontinuous exhaust air streams, in particular for high hydrogen sulphide and mercaptan loads (up to 2,000 pm).

The UGN® BEGA system can also be effectively used in combination with other procedures.

## We provide:

- all-in-one solutions, from the analysis to the product and services
- root cause analysis and process optimisation
- calculation, logging and cleaning configuration of forced exhaust air and gas streams
- measurement of gas and exhaust air components, such as H<sub>2</sub>S, NH<sub>3</sub>, VOC, humidity)



For further information, do not hesitate to contact us: