

# Exhaust Air Treatment

with UgnCleanPellets®



**UGN**  
UMWELTECHNIK

## EFFECTIVE REMOVAL OF POLLUTANTS

We specialize in treating exhaust air from industrial processes and wastewater treatment plants.

In this field of expertise, our range of products and services stretches from standard components through modules, to complex solutions.



## THE UGN®-FILTERING MATERIAL FOR EXHAUST AIR PURIFICATION

Our field of expertise is the application of biological, chemical, and physical processes. The exhaust air treatment systems of UGN® are based on the UgnCleanPellets® filtering material by default. By designing the amount and type of filtering material used according to your specific process requirements. Our systems can be relied on for degradation of pollutants including:

- Hydrogen sulphide (H<sub>2</sub>S)
- Hydrogen cyanide (HCN)
- Volatile organic acids
- Ammonia (NH<sub>3</sub>)
- Formaldehyde (CH<sub>2</sub>O)
- Solvent
- Organic hydrocarbons
- Mercaptans (CH<sub>4</sub>S)

## AREAS OF APPLICATION

- Treatment of emissions from industrial applications (oil mills, textile industry, paper industry, waste reprocessing and many more)
- Lean gas disposal (landfills)
- Emissions from waste
- Emissions from stagnant and running waters
- Emissions from wastewater treatment plants (sewage plants, pumping stations, sewers, soak pits, detention tanks, grit chambers, inlet structures, thickeners, pumping and expansion chambers)

## PROFIT FROM OUR EXHAUST AIR TREATMENT SYSTEMS

- optimum level of purification and a long service life
- Low costs of purchase
- Low need for filtering material
- Flexible adjustment to process modifications
- Low maintenance
- Guaranteed compliance with pollutant emission levels
- Odour control
- Corrosion protection
- No need for chemical dosing agents
- Reduction of repair, rehabilitation, and maintenance costs
- High degree of profitability and operational reliability

## OUR SERVICES TO SOLVE YOUR PROBLEM

We are on your side right from the start. Get to know our services.

- **MEASUREMENT AND ANALYSIS**  
→ Exhaust air measurement, Aspiration experiments, Process recording, Data analysis
- **DESIGNING & ENGINEERING**  
→ Process concept, Design/construction, Economic feasibility study, Approvals, Plant construction
- **EXHAUST AIR TREATMENT**  
→ Conditioning, Exhaust air recording, Treatment process, Process control
- **SERVICE & OPTIMISATION**  
→ Maintenance, Process monitoring, Plant optimisation, Energy management