



centriair

Welcome to
a new era of precision
air treatment

ODOUR REMOVAL FOR



***WASTE &
BIOGAS PLANTS***

Cleaner Air. Fewer Resources.

Eliminate harmful process gases and odours

Control Real-time monitoring and optimization

Methane slip removal Two-step regenerative catalysis



THE SMARTER WAY TO CLEAN AIR

Reduce environmental and health impact

Highly effective particle and gas removal, odor elimination, aerosol and gas separation, and climate emission reduction

Save energy, space and costs

Ensure the highest energy efficiency, smallest footprint and lowest total cost of ownership

High performance guaranteed

Guaranteed high performance with specialized solutions for key industrial applications, controlled and verified by real-time data

Discover the next generation of precision air treatment

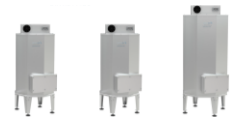
Our unique proprietary catalyst technology: **DEO™**
High concentrations
Airflow < 2.000 m³/h



Our UV-Oxidation supported by special purpose catalysts: **ColdOx®**
Low and medium concentrations
Airflow < 2.000 – 320.000 m³/h



Our fully integrated compact version of the ColdOx® :
ColdOx® Compact
Low and medium concentrations
Airflow < 2.000 m³/h



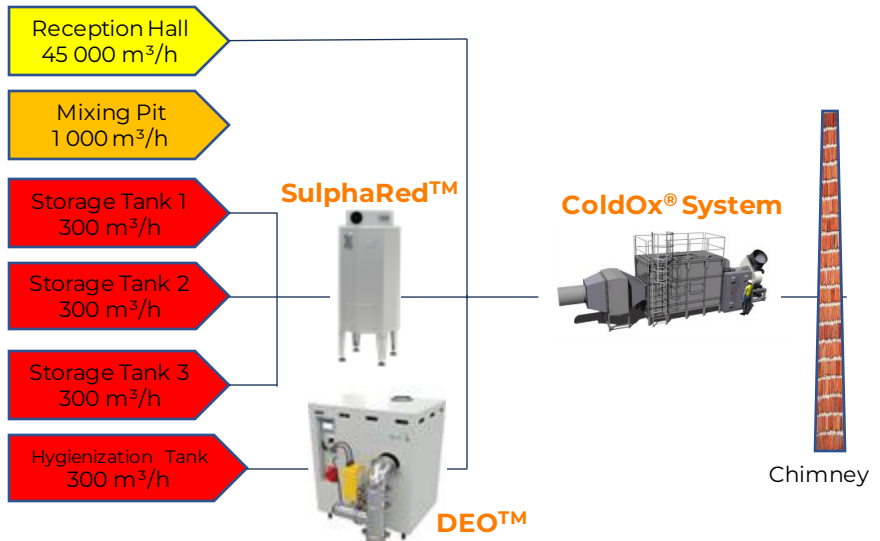
Pre-treatment hydrogen sulfide:
SulphaRed™
High concentrations of H₂S
Airflow 150 - 20.000 m³/h



Our Dual-Catalyst two-step regenerative catalysis of VOCs including CH₄: **DualCat™**
Methane slip and high concentrations VOC,
Airflow < 2.000 m³/h



Every gas has it's weakness – we target it with precision



Application expertise

A strong track record of expertise in applications ranging from food processing and biogas production to solid waste and wastewater management.



Bigadan
Horsens, Denmark

Biogas plant, general sources

30 000 m³/h

> 95% odor reduction

ColdOx® system



Borås Energi och Miljö
Borås, Sweden

Biogas plant, reception & conversion organic waste

20 000 m³/h

> 95% odor reduction

Filtration + ColdOx®



Bioconstruct
Evercreech plant

Biogas -Waste Acceptance Building

0 ppm H₂S in station building

98% odor reduction (odor panel by ÅF)

ColdOx® systems, DEO-100™ pretreatment for mixing pit, Sulphared™ pretreatment for taking station



Hitachi Zosen INOVA
Jönköping, Sweden

Biogas - Dry digestion plant

30 000 m³/h

> 95% odor reduction

ColdOx® system



HEM
Halmstad, Sweden

Solid Waste

90 000 m³/h

> 95% odour reduction

Filtration + ColdOx® system



Gemidan
Frederikshavn, Denmark

Receiving and pre-treatment of organic waste

58 000m³/h

> 95% removal rate

ColdOx® system

**SOLUTIONS
THAT CREATE
CLEANER AIR
WITH FEWER
RESOURCES.**

Guaranteed performance

Low footprint solutions

Stable Odour Elimination

Complies with typical emission levels of the IPPC (EU)

Limited and foreseeable maintenance

Operates 24/7 for long periods without service

Compact installation

Modular design – prepared for upgrades

Reduced climate impact

ASK US ABOUT



GUARANTEED PERFORMANCE



MINIMAL OPERATION COSTS



LOW FOOTPRINT



ODOUR ANALYSIS



PILOT TESTS



SOLID WASTE **ODOUR REMOVAL** **FOOD PROCESSING**
CHEMICAL PROCESSING
BIOGAS
WASTE WATER

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CHEMICAL PROCESSING
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