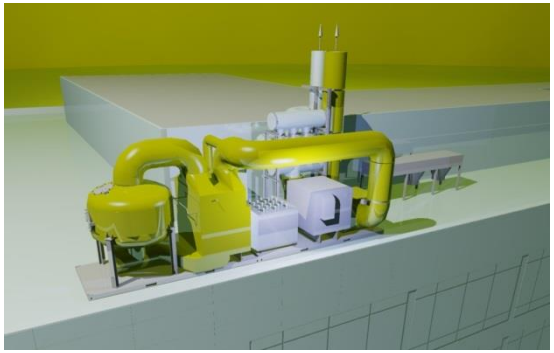
centriair

Centriair Germany



- Detail Design
- Construction & Delivery
- Process guarantee
- Turnkey systems
- Key components
- Service & Maintenance

CADG Centriair Deutschland

- founded 2018
- Headquarter: Heidelberg
- 7 local offices in GER/CH/AT
- 20 employees
- UV experience > 20 years
- 7 Mill € turn over

VOC reduction - HighOx ™, ZeoOx ™

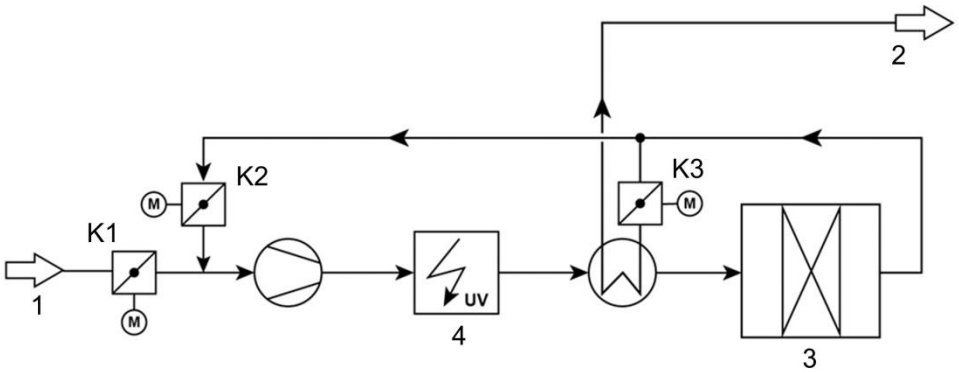
Reduce VOC emissions with HighOx ™ and ZeoOx ™ - for all types of VOC (volatile organic compounds)

HighOx ™ is used to treat large, constant VOC concentrations through special adaptation of the most powerful UV techniques and supporting photo and oxidation catalytic stages and. The process follows the principle of direct photo oxidation according to VDI guideline 2441. This technology is particularly suitable for applications such as

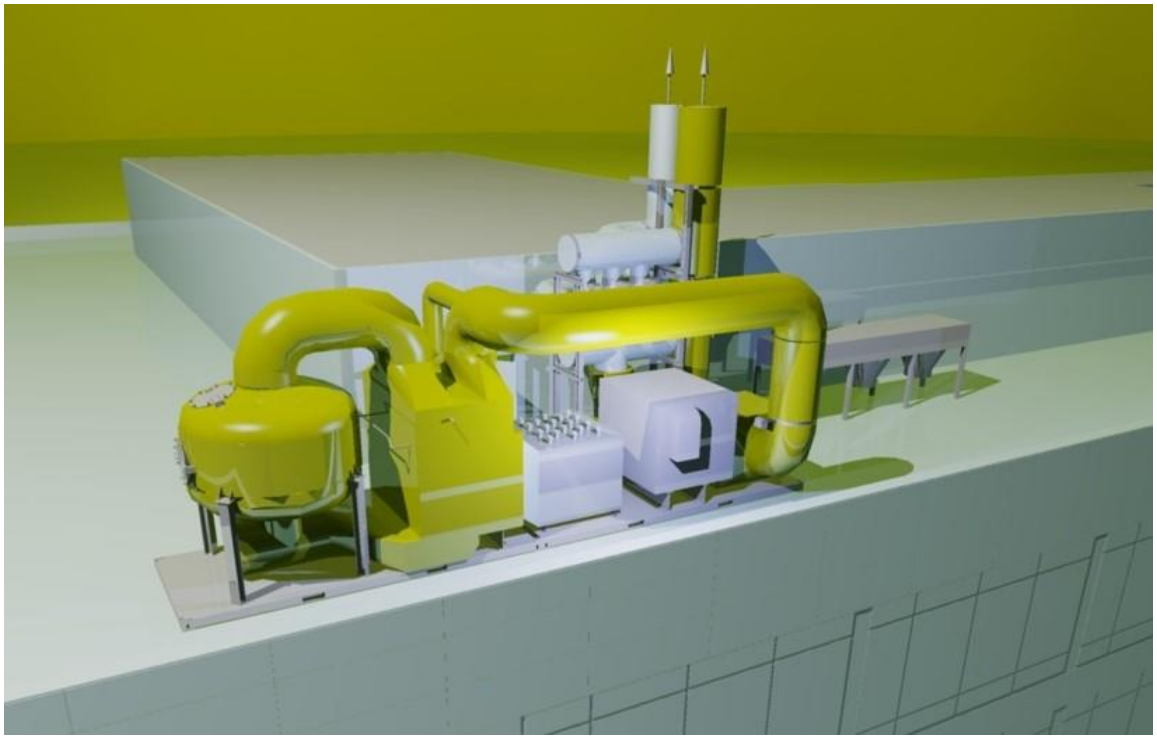
- in the pharmaceutical industry,
- in the chemical industry,
- in the production and processing of lacquers, paints, pastes and paints,
- for emissions from drying and reaction furnaces ...

Appropriate measures mean that there are hardly any limits to the concentration of the technology, so that the treatment of material flows> 10 g / m^3 is also reliably possible.

http://centriair.de/technology/centrifugal-separation/

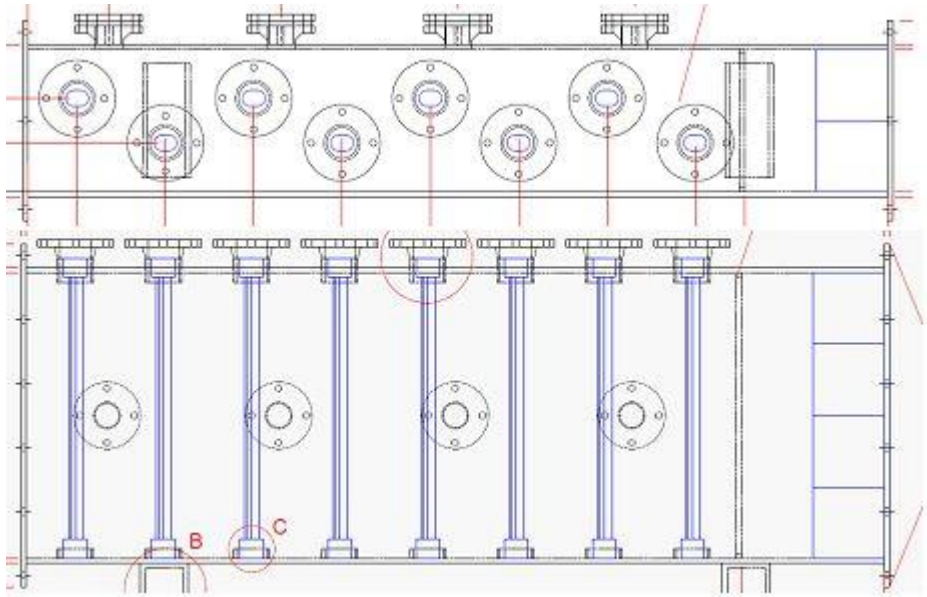


ZeoOx Regenerative Photooxidation
according to VDI 2441



HighOx planning

HighOx realization

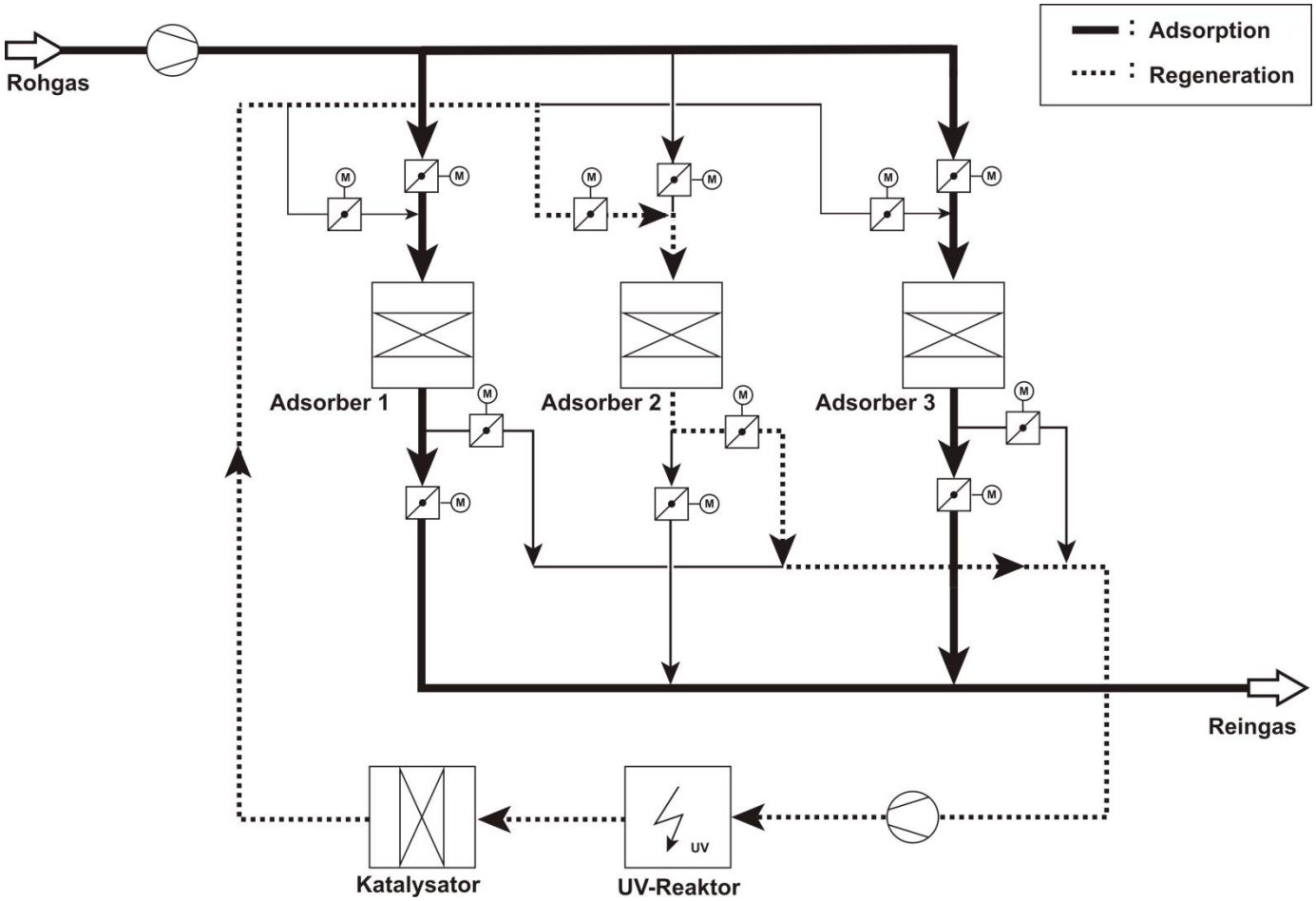


UV-C reactor inside

ZeoOx ™ was developed to reduce peak-loaded , constantly fluctuating or medium VOC flows by means of suitable adsorbents using regenerative photo-oxidation in accordance with VDI guideline 2441. The material flows and peaks are equalized and / or concentrated and then fed to a combined UV catalyst stage. In this way, degradation rates> 99% can be reliably achieved with the lowest operating costs.

Peak smoothing levels are used to treat emission peaks.

All HighOx ™ and ZeoOx ™ systems conform to VDI guideline 2441.



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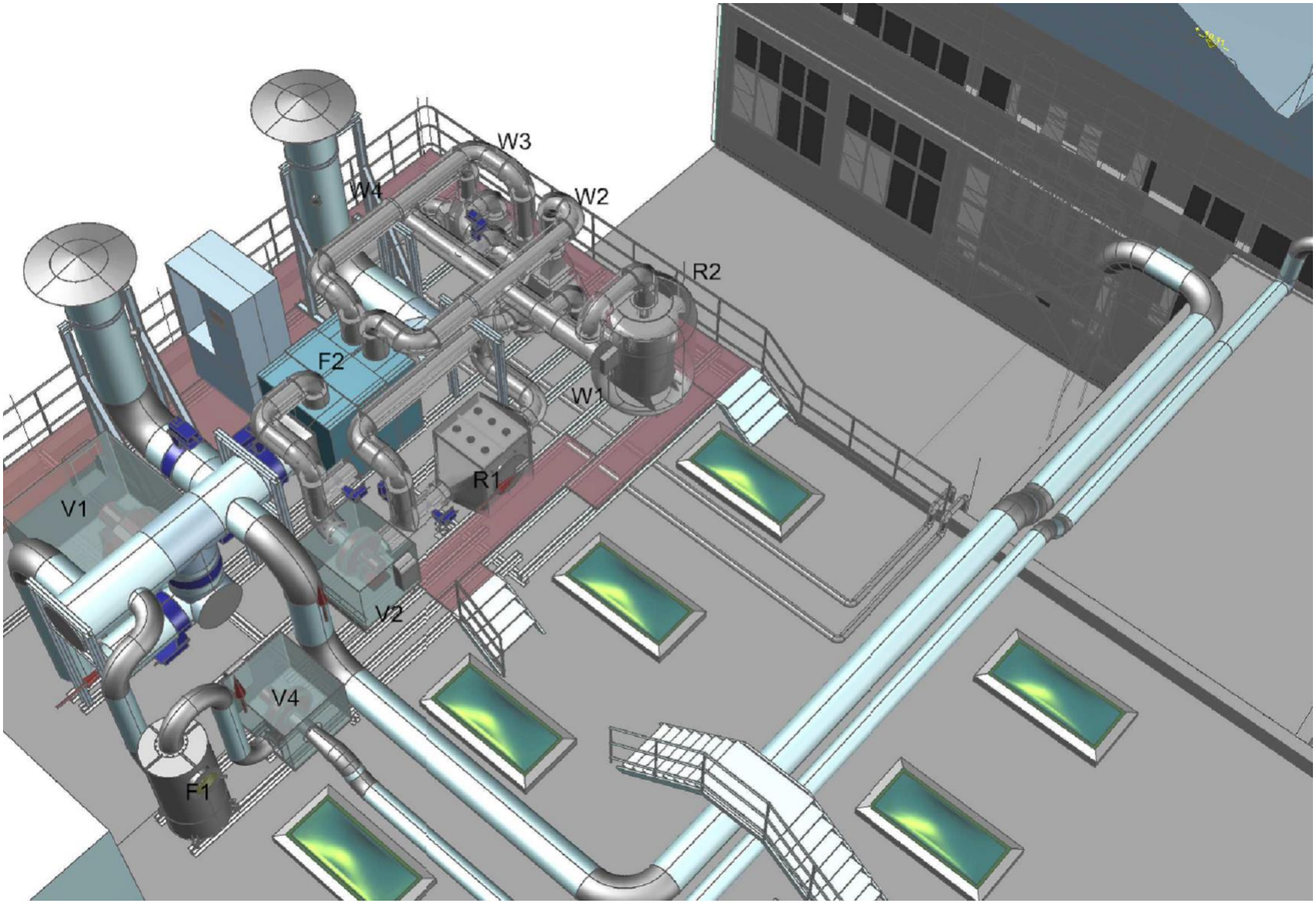

ZeoOx planning

ZeoOx implementation in the paint industry

ZeoOx planning