

AerO³ ACS – I

UVC – Ozone air purification for industrial companies.



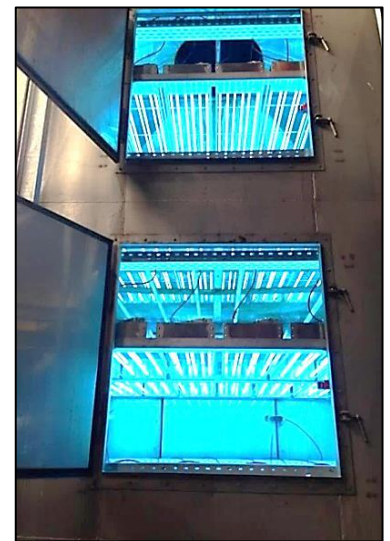
The Problem

More and more companies are forced to install effective air purification systems in order to minimize the odour nuisance and air pollution. Even through following the critical value of the *TA-Luft*, there is still often detected odour nuisance close-by. The outcome is an official term to install an air purification construction.

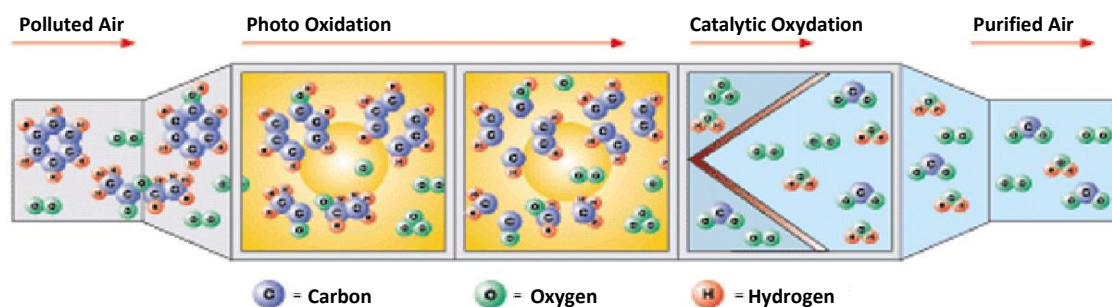
Today, air purification constructions represent an individual problem solving. Environment protection does not just mean to follow any critical value. It also means to search in all conscience for technical solutions to reach the very best release for the environment.

The Solution: AerO³ ACS-I UV-Air Purification

The polluted air ends up in the reaction duct, in which the UV-C-Light causes a short-timed chemical reaction. Odour- and pollutant molecules break through the UV-C-radiation. At the same time, Oxygen and Ozone are produced as an Oxidation-medium. The oxidation of the organic odour substance leads to the environment friendly products H₂O and CO₂. Additionally reduced the microbe's number in the air through the UV-C-radiation. In the downstream equipment *AerO³ KAT – Catalyzer unit* are hard oxidational compounds and excessive ozone exhausted.



The purified and odourless Air is given back to the Environment





The first Picture shows an AerO³ ACS-I
 Berliner Wasserbetriebe
 Air Purification 2 x 15.000 m³/h



Picture 2 and 3 shows an AerO³ ACS-I with the
 downstream equipment *Ionisation*.
 Holding Graz: Air Purification 20.000 m³/h



Mobile pilot plant for test purpose

The emission-problem is in every case individual different. The in special cases necessary and optimal Solution is only determinable at the place of the problem. We build a mobile pilot plant, to satisfy that. It is usably Europe-wide to...

- ✂ Determine the real pollution value.
- ✂ Demonstrate the result in a test phase.

The pilot plant has a decrease capacity of the partial air amount until 5.000m³ per hour from each emission source.



If the measurement and the test result lead to the installation of an AerO³ ACS-I UV- Air Purification Construct, then is the Usage of the mobile pilot plant between 50 and 100 % exempt from charges.

If required, we can offer the measurement and odour report of public Institutions.

