

ProActiveAir makes partying at the “Fox and Rabbit” Festival safe

Permitted with conditions for hourly measurement by Böblingen health department

Safe indoor celebrations even during the pandemic? This works out! Celebrating is safe thanks to ProActiveAir

Challenge

On Halloween, the Herrenberg youth center was transformed into a sensationally decorated party arena for 600 visitors. During the pandemic, this is a novelty and accepted by the health department, and for that with the condition the festival is accompanied by measuring particles and activated Oxygen by the manufacturer.



Solution

In order to be able to celebrate despite Corona, the operator, in cooperation with ProActiveAir, presented a concept for the safe cleaning of the air, for intermediate ventilation and for the accompanying measurement over the full three days. The security staff took care of the regulated admission, the wearing of masks in unsecured areas such as the entrance, the registration of visitors and checking the vaccination status. The health department demanded the accompanying measurement of the possible emergence of sources of danger by the air handler.



With its special shape, the largest room posed a major challenge in planning, but not in implementation. With the help of the plans and a lidar-scan-measured three-dimensional image of the room, the need for air purifiers was determined and documented. Lidar-scan allows reviewing data at office with a possibility of recognizing and eliminating weak points in the concept. The organizers made it possible to install a sufficient number of devices in unusual places in the room. The perfect positioning was verified through consistently good values for particle measurement, the load on the regulated released activated oxygen and monitoring of the ionization during full operation.

The secret of the air handlers from ProActiveAir is to establish an active protection: They do not remove pollutants with a built-in filter, but rather by making the air in the room safe the minute the devices get started - regardless of whether it already contains corona viruses or not. The patented solution of ProActiveAir iO+ works with natural principles, the power of ionization and a controlled dose of active Oxygen. All types of bacteria and viruses undergo cold oxidation in this situation and are therefore no longer capable of reproduction.

There, ozone applied in a controlled manner by the device renders the viruses harmless. The air handler keeps the ozone content of the air below the value outdoors on a normal summer day.

The great advantage of this technology is that the air is equally clean at all points in the room - not only in the immediate vicinity of the device, as it is in the case of conventional air purifiers with filters. “The virus doesn't even get to the people around you,” says Marcel Zahren, managing director at ProActiveAir, explaining the basic idea. The device catches 99.96 percent of all viruses, bacteria, particles and pollutants. It can provide permanent protection of up to 160 square meters or 400 cubic meters, while its little brother ProActiveAir iO + Smart has an area of up to 75 square meters (190 cubic meters). You can find more information here: <https://proactiveair.de>

Result



Since the measuring staff was constantly on site, it could be assumed that no infections had occurred in the days immediately after the festival due to the absence of reports of risk encounters from the Corona warning app. The activated oxygen remained within the planned effective limits of between 20 and 40 micrograms / cubic meter over the entire course of the festival. Even afterwards, no infections were reported, which confirms the effectiveness of the concept and the devices with sufficient certainty with over 700 people including staff.

About ProActiveAir

Founded in 2020, ProActiveAir GmbH, based in Herrenberg (Böblingen district), has specialized in proactive indoor air treatment. With a worldwide patent pending technology, in which the air is made a protective barrier in the room, more than 99.9% of all viruses, particles and pollutants in the room are eliminated. With ProActiveAir, this is done in an exceptionally quiet, energy-efficient and resource-saving manner.