

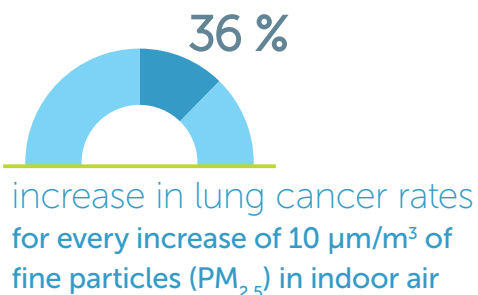
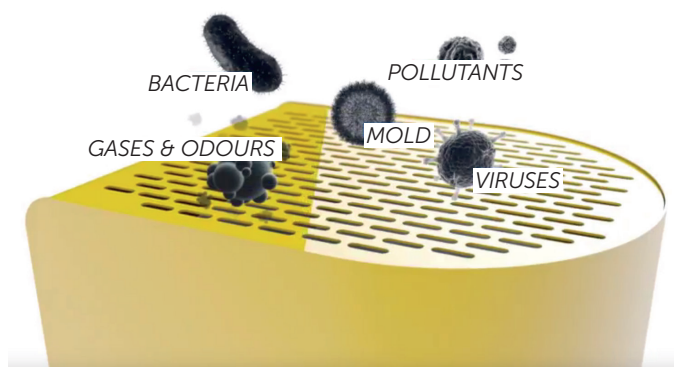
Genano Application Note

Healthy indoor air for workplaces and schools

Given that most people spend about **90% of their time inside**, the implications of indoor air quality (IAQ) on people's health are significant. Airborne impurities can cause various symptoms, such as allergy, eye irritation, congestion, headache and skin symptoms. If the exposure to impurities continues long enough, it can result in a permanent illness.

Airborne particles and other air contaminants are known to be a major health risk, causing serious illnesses including respiratory infections and heart disease, and even reducing lifetime. **Ultrafine particles, less than 0,1 µm in size, are the most dangerous as they can be absorbed directly into bloodstream and migrate into organs**, including the brain.

Adverse health effects are also caused by chemical and microbial contaminants such as mold



7 000 000 premature deaths caused by air impurities globally every year

toxins and VOCs (Volatile Organic Compounds). Moisture damage and poor material choices, for example, release harmful chemicals, microbes and fine particles in indoor air. Exposure to microbial contaminants is clinically associated with respiratory symptoms, allergies, asthma and immunological reactions.

More over, **good air quality is essential to cognitive performance.** Studies have shown significant correlation between IAQ and people's ability to concentrate and learn, with bad IQA resulting in almost 10 % loss in productivity at work and 11 % decrease in school performance for students in schools with impure air.

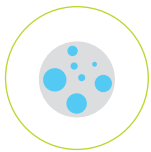
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GENANO'S ADVANTAGES

- 1** Purifies air from particles of all sizes down to nanoscale and eliminates microbes.
- 2** Removes gases and odours with an effective active carbon collector.
- 3** Cost-effective maintenance with no disposable fiber filters.



High-quality indoor air with Genano air purifiers



CLEAN AIR FOR
HEALTH AND
WELLBEING

Genano air purifiers are an efficient way to reduce the health risks of indoor air pollution, especially ultrafine particles (PM_{0,1}), microbes and chemicals.

Genano purifies air constantly from contaminants of both indoor and outdoor origin, including mold spores and toxins, small particles and harmful gaseous substances. In addition, Genano air purifiers not only remove but permanently kill airborne viruses and bacteria.

With Genano air purifiers you can make sure that indoor air is safe to breath.



CONTINUOUS
CIRCULATION &
PURIFICATION

Genano air purifiers are designed to continuously recycle and purify indoor air, to improve air quality with a normal air ventilation system. The standalone units are easy to move around when needed.

Unlike devices based on filter technologies, Genano technology cleans the air in free air flow, so the air volume and the purification level are constant at all times. Genano air purifiers do not get clogged up by large amounts of particles, and no exchange of expensive filters is required. Genano is a durable, economical solution with low need for maintenance.



INNOVATIVE
FILTER-FREE
TECHNOLOGY

The unique patented Genano Technology® is based on co-operation between the process of ionization and electrostatic attraction of particles. It cleans the air from particulate matter of all sizes.

The patented technology has been scientifically tested down to 3 nanometer size particles (PM_{0,003}) – Genano Technology removes 99.5% of even the smallest of the particles.

In addition, Genano air purifiers are equipped with high-surface-area active carbon collectors that remove gaseous substances.

[Read more at genano.com](http://www.genano.com)