

Research Study

OFFICE INDOOR AIR POLLUTION REDUCTION



INGENIOUS PROBIOTICS



The HEPS purifier created a safe indoor haven with clean air.

Key Benefits

- ✓ 95% reduction in 2.5micron particulate indoor air pollution.
- ✓ Created a safe indoor haven with clean indoor air, in a heavily polluted city.
- ✓ Reduces indoor air pollution particulates as small as 0.3micron in size.
- ✓ Significantly reduced nitrogen dioxides (NOX gases), carbon monoxide, dust particles, traffic fumes & unpleasant odours.

Significantly Reduced Indoor Air Pollution Whilst Outdoor Air Pollution Continued to Increase *HEPS PURIFIER FIELD TEST IN SHANGHAI OFFICE*

The Problem

Indoor air pollution in Shanghai – and most other built up areas – is a serious threat to health, especially because most people spend 90% of their time indoors. Indoor air quality is now a bigger concern than outdoor air quality. This is because additional volatile organic compounds (VOCs) emitted by furniture, paints, cleaning products, fire retardant coatings and building materials add to the already heavily polluted air entering through infiltration and ventilation.

The Solution

The occupants in an office in Shanghai carried out a field test to measure the effectiveness of our Canadian-sourced High Efficiency Purification System (HEPS) on their indoor air quality. The 2.5micron particulate air pollution ppm (parts per million) of the indoor and outdoor air was measured at intervals throughout a normal working day.

The Results

The HEPS system led to a momentous 95% reduction in 2.5micron particulate pollution – from 95ppm to 4ppm over the course of a single working day. During this same time period the outside air pollution conditions deteriorated from 189pp to 252ppm.

Conclusion

The HEPS system significantly reduced indoor air pollution, despite outdoor air pollution rising during the same time period. This created a safer and healthier indoor haven with clean air for the office team.

Follow Up

Those responsible for the office and the occupants are happy that they are doing all they can to provide an air quality safe haven and improve health and wellness in their indoor environment.

The HEPS also removes allergens (including pollen, mould and dust mites) and bacteria (and viruses, which cause infectious illnesses, including the Coronavirus, influenza and C. Difficile.

