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Study Finds AgroSci Aerogation™ Green Walls Highly Effective at Breaking Down Dangerous Diesel Pollutant

Researchers at Staffordshire University in England have concluded that AgroSci's Aerogation™ green walls are highly effective at breaking down a dangerous diesel pollutant.

In a recently released study, scientists found that an AgroSci Aerogation™ green wall reduced nitrogen dioxide levels an average of 62.4 percent. The research was done by Dr. John Dover at The Science Centre, Staffordshire University located at Stoke-on-Kent in the UK.

“The Aerogation™ Active living wall removed more NO₂ than a similar passive living wall with the same number, species and volume of plants,” the study says. “The Aerogation™ Active wall was more consistent in its NO₂-reducing capability.”

NO₂ emissions, which include high levels of particulates, cause and exacerbate respiratory illnesses. The federal government classifies the gas as a dangerous substance. The burning of diesel and other fossil fuels releases NO₂, so concentrations spike near roadways, in urban areas and around power plants.

AgroSci President Mark Prescott, who recently spoke about the company's Aerogation™ technology at a London conference, and CEO Chris Pianta said they were pleased by the study results.

“Anyone who has driven behind a diesel truck knows the noxiousness of diesel fumes,” Pianta said. “This study provides scientific proof that our Aerogation™ green walls significantly reduce NO₂ and fine particulates, dangerous components of diesel and other fossil fuel pollution. Our technology purifies polluted air, making bus stops and sidewalks -- entire cities -- healthier, cleaner and happier.”

“This research confirms our technology does exactly what we say it does: naturally breaks down dangerous pollutants such as NO₂,” Prescott said. “Aerogation™ green walls make both indoor and outdoor spaces healthier and more livable.”

AgroSci’s patent-pending Aerogation™ technology employs an entirely natural system -- no filters or sequestration -- that magnifies the natural cleaning power of plants about 200 times. It accomplishes this by delivering air directly into the plants’ root systems, amplifying their natural ability to break down toxins, chemicals, including dangerous VOCs, allergens and other impurities.

In partnership with Watermatic, AgroSci’s UK distributor, Treebox has installed AgroSci Aerogation green walls at bus stops throughout the City of London to test their ability to scrub diesel and other emissions from the air.

AgroSci, based in Colchester, Ct., designs and installs both passive and Aerogation™ green walls domestically and abroad. In addition to cleaning the air, our walls are aesthetically pleasing and custom-designed to fit into a wide range of indoor and outdoor spaces. Research shows that green walls increase wellness and productivity.

AgroSci projects include a three-story outdoor living wall on the façade of 1 Hotel Central Park in Midtown Manhattan and a large Aerogation™ unit at the recently opened Gunther & Co. restaurant in Baltimore, MD.

For more information, visit our website, www.agrosci.com.

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