

# Pure Air Control Services

## A Prescriptive Approach to Enhancing Indoor Air Quality

Over the past few decades, indoor air quality has become a major concern for businesses, building owners, tenants, and employees, given its impact on the health, comfort, well-being, and productivity of building occupants. In fact, most recently, in the pandemic era, indoor air quality has become a topic of intense discussion like never before, primarily because buildings that have been closed for a long time are slowly reopening. Building owners and facility managers are adopting new protocols to curb airborne transmission of the virus along with virus mutations as well the increased microbial proliferation of molds, bacteria, and particulate matter accumulation in an effort to improve the indoor environment and ensure the continuous flow of safer, cleaner air.

Striving to meet the increased indoor air quality concerns, the industry is witnessing an influx of new air quality products. However, the issue lies in the fact that most of these solutions don't work as intended. The majority of the indoor air quality companies and vendors fail to provide reliable, evidence-based solutions that comprehensively address the clients' indoor air quality needs.

No one understands these market inadequacies and

challenges better than Florida-based Pure Air Control Services. With more than 30 decades of industry experience, the company serves as the trusted leader in indoor air quality with specialties in industrial hygiene, mechanical engineering, building sciences, microbiology testing, test and balance (T&B), and HVAC hygiene services. "We are a medically disciplined solutions oriented IAQ/HVAC firm with over 800 million square feet of experience covering over 15,000 facilities. This is a testament to the company's success in addressing intricate indoor air quality needs. We study buildings similar to how a doctor examines patients and provide specific prescriptive solutions," says Alan Wozniak, president and CEO, Pure Air Control Services. The firm offers a full range of professional solutions and services for indoor air quality concerns.

Pure Air Control Services' offerings are backed by a full-fledged accredited lab. The company has the ability to test the efficacy and reliability of products and, over the years, has garnered an excellent reputation for delivering quality products. "As air quality experts, we provide prescriptive solutions to good building health. We don't rely on what the manufacturer claims but perform our own research on all the products," mentions Wozniak.

While catering to its clients' needs in providing healthy building environments, Pure Air Control Services' begins with diagnosing the building to determine potential deficiencies. "We believe you can't manage what you can't measure," adds Wozniak. The building science group, one of the four specialized divisions of Pure Air Control Services, executes a scientific investigation and invasive testing on the building and ascertains the principal cause for any IAQ problem. Based on the findings, the company then offers a prescriptive recommendation to help create a healthy building to improve indoor air quality.

In its healthy building program, Pure Air Control Services' mechanical division facilitates cleaning and restoration of air handling systems, ventilation systems, and installation of the Vision Award-Winning IAQ Guard, a real-time cloud-based dashboard monitoring system. The nodes are placed around the building to measure temperature, humidity, CO2, PM2.5, PM10, 0.3 microns, and other air pollutants in the buildings. The data is then sent over to the company's



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building science team for analysis. The 24x7 monitoring services enable the company to alert building owners about environmental conditions before they exacerbate and become a problem. Taking things a step further, the firm is all set to add a building IAQ index to the IAQ Guard to showcase to building occupants that the building is safe and healthy.

Illustrating Pure Air Control Services' prowess, Wozniak cites the success story of one of the company's largest clients—a 40-storeyed state office building in Florida. When the building's indoor air quality was

challenged, the building occupants started to complain, and the HVAC contractor of the building was being held responsible for the problem. In a desperate attempt to retain the contract, the contractor tried out alternatives that resulted in nothing but money loss while the building occupants continued to suffer. This is when the Pure Air Control Services team finally stepped into the frame, traversed the floors, including the atrium area, which had tall foliage with flowers that bloom. During diagnosis and air sampling, the team found that the pollen count was

higher indoors than outdoors, and the actual cause of lack of good indoor air quality was not a mold condition, a pathogen problem, or a building envelope issue but the foliage in the building. Pure Air Control Services, by quantitatively evaluating the building, helped the client to find the issue and solve it prescriptively.

As a trailblazer in the indoor air quality market, Pure Air Control Services is all set to extend its functionality both nationally and globally. The company is also planning to utilize a new technology that employs robots to traverse an entire building on a floor-by-floor basis and treat the building with disinfectants like UV light or hydrogen peroxide combination. "The implementation of this novel technology will eliminate the need for the physical presence of a person to examine interiors and clean the building. It does not substitute housekeeping but it will aid in building disinfection," wraps up Wozniak. ■