Cleaner Air. Brighter Future.

At AtmosAir, we understand how important reducing the global carbon footprint is for our customers, partners and community. As a long-standing leader in solutions for healthier indoor air, we know what it takes to help customers face unique sustainability challenges across a wide range of industries. Today, we're providing air cleaning solutions with the power to help minimize energy usage within the built environment.

EXPLORE ALL THE WAYS WE CAN HELP YOU DELIVER CLEAN, HEALTHY AIR FOR OCCUPANTS, WHILE ADVANCING YOUR SUSTAINABILITY AND DECARBONIZATION GOALS.

IAQ REPORTING

We can help you set up real-time IAQ monitoring services and sensors to provide sustained transparency regarding improvements in IAQ and provide verification that your facility's indoor environment is healthy and comfortable. By analyzing the data collected by your building's sensors, you can identify areas where energy usage can be reduced and make informed decisions on how to improve the overall efficiency of your building.

ENERGY SAVINGS MODEL

We'll help you estimate the energy associated with ventilation and conditioning outside air (heating, cooling and dehumidification) so you can make more informed decisions when it comes to optimizing your building's indoor environment.

BI-POLAR IONIZATION

By implementing bi-polar ionization (BPI) as part of your air cleaning strategy, we can help you reduce the amount of outside air by 50% or more while maintaining optimal indoor air quality (IAQ). Since moving and conditioning outside air typically represents about half of a building's total energy use, this reduction can greatly impact both your energy requirements and carbon emissions.

FILTER SAVINGS

By reducing the amount of outside air required to maintain optimal IAQ, you can extend the life of filters, saving operating costs. In many applications, less restrictive filters can be used, in combination with BPI, further decreasing electrical energy consumption.

MORE WAYS WE MAKE AN IMPACT

See how else our solutions and expertise can impact your sustainability efforts.

Optimized running costs:
Smaller fan size translates to a decreased electrical draw and reductions to operational costs.

Lower HVAC life-cycle costs:
Less outside air means your HVAC equipment runs for fewer cycles per day and at shorter durations, extending its lifespan.

A PROVEN APPROACH TO DECARBONIZATION

Today, conditioning outside air to ensure comfort in indoor environments is one of the most significant energy uses for commercial buildings. With gas being one of the most common energy sources, there is a direct connection between the amount of outside air that needs to be conditioned and a building's overall carbon emissions.

AtmosAir Bi-Polar Ionization is a proven solution that allows for the application of ASHRAE's 62.1 Indoor Air Quality Procedure (IAQP). This is a code-compliant, engineered approach to determining outside air ventilation requirements where contaminant types and sources are calculated, and an air cleaning strategy is applied to control these acceptable levels.

Across many projects where our Bi-Polar Ionization systems have been used, we've seen reductions to outside air rates of 50% or more. This reduces both the carbon emissions caused by generating power as well as the overall carbon emissions from the building, which organizations can use toward their environmental, social and governance (ESG) goals.

Bi-Polar Ionization:

- Does not restrict airflow in the ways a media filter would
- Only consumes 5 watts of power per tube
- Has the capability to reduce static pressure and fan horsepower needed by HVAC systems
- Lowers a building's overall energy expenditure
- Improves the efficiency of media filters (even improving MERV 13 filter to HEPA performance)
- Allows for the integration of air quality sensors to ensure air quality meets or exceeds standards and guidelines

PAVING THE WAY IN SUSTAINABILITY

It takes careful planning and ongoing efforts to address evolving efficiency needs. See how we've helped some of our customers reduce energy usage and drive their sustainability initiatives.

U.S. Bank Stadium

- $200,000+ in costs savings with bi-polar ionization

Crypto.com Arena

- 21% improvement in energy performance and efficiency
- Reduced annual operating cost by more than $150,000

U.S. Army – Fort Belvoir

- 35% reduction in outside air
- More than $50,000 in savings
- One of over 50 U.S. Army buildings in the United States with AtmosAir technology

EXPERIENCE AIR WITH AN IMPACT

Ready to take the next step in your building's sustainability and decarbonization journey? Get in touch with a company that's spent nearly two decades exploring and sharing the impact of air. **Talk to one of our experts today to see what AtmosAir can do for you.**

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