

Aircuity case study

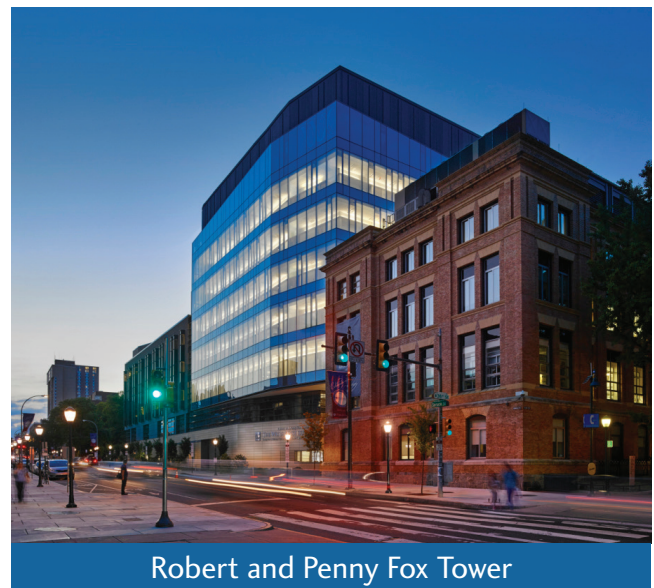
The Wistar Institute

A Healthier Environment, Energy Savings, and a Resource for AAALAC Reporting

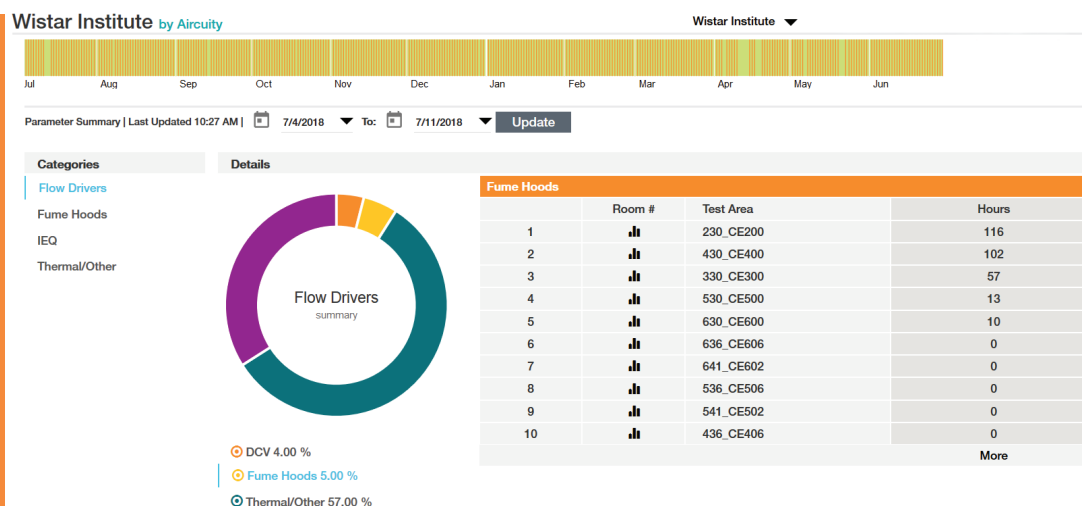
THE WISTAR INSTITUTE, located in Philadelphia, PA, is an international leader in biomedical science, with special expertise in oncology, immunology, infectious disease and vaccine research. The institute was seeking the best method to reduce energy use in their research areas while enhancing their facility for occupants.

Aircuity channel partner, The Kirkman Oliver Company, worked with Jim Zaleski, Wistar's Director of Facilities Management, to implement Aircuity into research labs and vivarium areas. A turn-key design was created in partnership with PWI Engineering and was installed as an overlay to the existing Phoenix Controls system. The Aircuity system is monitoring for volatile organic compounds, carbon dioxide, particulates and relative humidity then using that information to optimize the ventilation rates within the spaces. This provides a better environment for human and animal occupants, substantial energy savings and access to new information about the conditions and performance of the space.

Wistar is using the data available through the MyAircuity dashboard to help with AAALAC reporting and monitoring the status of fume hood sashes. The fume hood data is then being used by personnel to modify behavior of hood users where the sash is continually left open; increasing the energy savings.



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RESULTS

The Wistar Institute is saving \$89,000 per year through Aircuity and the project has a 4-year simple payback.

The project also qualified for a custom rebate from PECO for \$37,500, which further reduces the payback period to approximately 3.5 years.

Aircuity Helped Wistar Institute

- ▶ Save a total of \$89,000 per year
- ▶ Provide a better IEQ for occupants
- ▶ Deliver information for AAALAC reporting
- ▶ Address fume hood practices in the labs

ABOUT THE WISTAR INSTITUTE

Wistar is a world leader in early-stage discovery science in the areas of cancer, immunology and infectious disease. The Institute is committed to accelerating research advances from bench to bedside through brilliant science and distinctive approaches to collaboration among scientific investigators and academic and industry partners. Wistar's single-minded focus is on making discoveries that will change the future of human health.

ABOUT AIRCUIITY

Aircuity creates smart airside solutions through its intelligent building platform, significantly reducing energy costs and improving the indoor environmental quality for occupants. As the demand control solution, Aircuity optimizes ventilation rates through its patented technology. As a result, commercial, institutional and lab building owners can lower operating costs, protect occupants and verifiably reduce energy use by as much as 60 percent. Founded in 2000 and headquartered in Newton, MA, Aircuity's solutions have benefited over 400 organizations such as Google, Amazon, Eli Lilly, Masdar City, the University of Pennsylvania, and the University of California-Irvine. For additional information on the company and its solutions, please visit: www.aircuity.com.

