



For Immediate Release

Aircuity Customer Chicago Botanic Garden Recognized as R&D Magazine's 2010 Laboratory of the Year

Aircuity's Building Ventilation Optimization Technology a Key Part of Plant Conservation Science Center's Energy Efficiency Program

Aircuity Customer Texas Children's Hospital also Recognized with an Honorable Mention

NEWTON, Mass., USA – June 1, 2010 – Aircuity, the smart airside efficiency company, today announced that its customer, [The Plant Conservation Science Center](#) at the Chicago Botanic Garden in Glencoe, IL, has been selected as the 2010 Laboratory of the Year in *R&D Magazine's* annual competition. Aircuity was also recognized as a key player in the [Texas Children's Hospital, Feigin Center](#) expansion project, which received honorable mention in the competition. Aircuity's OptiNet® system, a comprehensive suite of intelligent ventilation measurement and optimization technologies, was implemented in both facilities as a way for the organizations to lower operating costs, improve safety and become more energy efficient.

The goal of the Plant Conservation Science Center, owned by the Chicago Horticultural Society, is to train a new generation of plant conservation scientists, increase public awareness of the issues affecting today's plant species and develop new policies for the future. Architect Booth Hansen and engineering firm Grumman/Butkus Associates wanted to make the building accessible not only to scientists, but to the visiting public as well. Aircuity was brought in to develop and implement a state-of-the-art airside monitoring and measurement solution that would improve ventilation performance throughout the facility. The judges recognized that the overall design quality of this project was highly superior, leading it to win the Laboratory of the Year highest honors.

"Despite the drastic differences between the uses of each building, both of these projects are excellent examples of how to improve energy efficiency while also enhancing occupant safety," said Gordon Sharp, chairman, Aircuity. "They are truly deserving of the recognition from R&D Magazine and we'd like to offer our congratulations."

Aircuity's multiplexed air sensing and measurement solution continuously senses and analyzes a lab room's indoor environment to implement a demand based control approach to laboratory ventilation. The result is typically the single most impactful and cost effective energy conservation measure for a lab facility. Intelligent outputs to the lab airflow control system and the building management systems provide real time adjustment of the lab room ventilation flow based on the quality of the lab room environment. A potentially safer lab environment can be achieved by increasing lab room dilution ventilation above traditionally fixed levels to purge the lab room more quickly when potential contaminants are sensed. Lower airflows are then used to save energy when the lab rooms are "clean" which occurs about 98% or more of the time.

An eight-story vertical expansion to the Texas Children's Hospital, the Feigin Center added 200,000 square feet of space specifically designed for the advancement of pediatric medicine. The architect for the project, [FKP Architects](#), recommended the hospital investigate Aircuity's OptiNet system as a way to

provide additional energy savings while improving the indoor environmental conditions throughout the facility.

“Aircuity was the perfect partner to help us meet our energy efficiency goals and their demand based approach to lab ventilation was an important aspect of the building design. In fact, we devoted a chapter of our Lab of the Year submission to discussing the Aircuity system and its impact on the project,” said Cynthia Walston, principal, FKP Architects.

The projects have been featured in the May 2010 issue of *Laboratory Design* and will also be included in the June issue of *R&D Magazine*. For more information on the competition and winners, visit <http://www.rdmag.com/News/2010/02/Lab-Of-The-Year-Brings-Science-To-The-Public/>.

About R&D Magazine

Since its founding in 1959 as *Industrial Research*, *R&D Magazine* has served research scientists, engineers and technical staff at laboratories around the world, providing timely, informative news and useful technical articles that broaden readers’ knowledge of the research and development industry and improve the quality of their work. *R&D Magazine* is a publication of Advantage Business Media (www.advantagebusinessmedia.com). For additional information about *R&D Magazine*, please visit: www.rdmag.com.

About Aircuity

Aircuity is the smart airside efficiency company providing building owners with sustained energy savings through its intelligent measurement solutions. By combining real-time sensing and continuous analysis of indoor environments, the company has helped commercial, institutional and lab building owners lower operating costs, improve safety and become more energy efficient. Founded in 2000 and headquartered in Newton, MA, Aircuity’s solutions have benefited organizations such as the University of Pennsylvania, Eli Lilly, Masdar City, the Bank of America Tower and the University of California-Irvine. For additional information on the company and its solutions, please visit: <http://www.aircuity.com>.

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