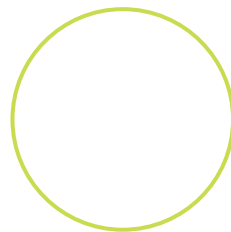




Stop Invisible Leaks in Commercial Properties

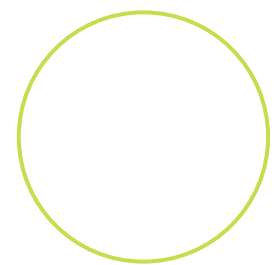
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Medical Case Studies

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American Dental Association



Case Study

Building: American Dental Association
Before Aeroseal: 2,733 CFM Leakage
After Aeroseal: 606 CFM Leakage
Results: Reduced leakage by as much
as 94.5%

"There was simply no other practical solution. If not for Aeroseal, we would be moving the lab right now, incurring millions of dollars to change strategy and writing off millions in investment that had already been made in the building. Aeroseal extended the life of their investment – I can't even estimate the total cost savings this represents."

-Adrian M. Wallace, Project Engineer



Nemours Children's Facility



Case Study

Building: Nemours Children's Facility
Before Aeroseal: 4,912 CFM Leakage
After Aeroseal: 713 CFM Leakage
Results: 85% leakage reduction; Stopped spread of germs through ductwork; improved HVAC airflow throughout facility

In order for a hospital to be clean, you have to manage the building's airflow. By sealing the exhaust shafts using Aeroseal, we ensured that the right amount of stale and potentially infectious air is being adequately and continually removed from the building.

- Derrick Rhodes



New York State Medical Facility

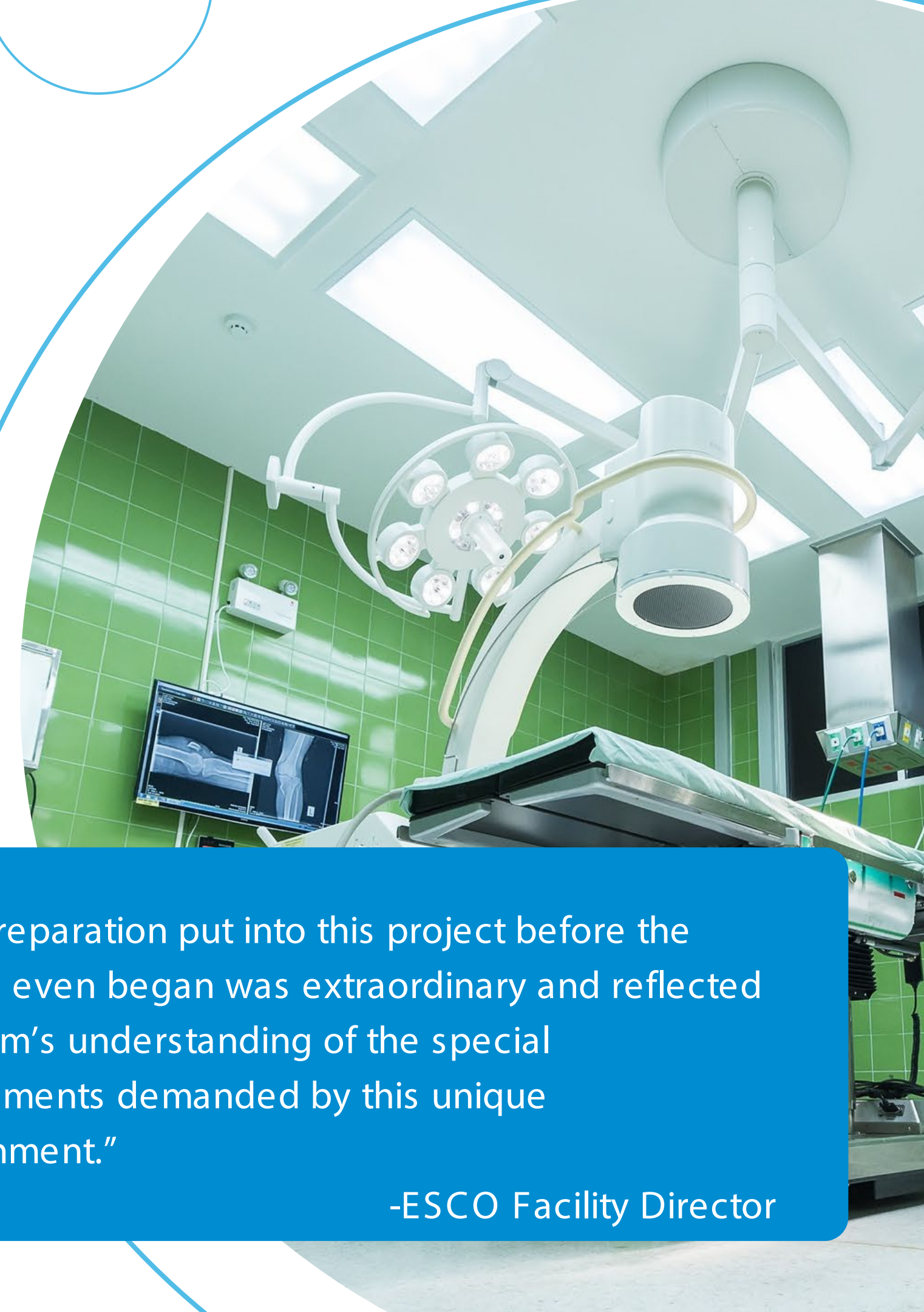


Case Study

Building: New York State Medical Facility
Before Aeroseal: 29,836 CFM Leakage
After Aeroseal: 870 CFM Leakage
Results: Seal ductwork to 97% leakage reduction; saved \$22,694 in annual energy usage/costs

"The preparation put into this project before the sealing even began was extraordinary and reflected the team's understanding of the special requirements demanded by this unique environment."

-ESCO Facility Director



Pfizer



Case Study

Building: Pfizer Dry Compress Building
Before Aeroseal: 2,424 CFM Leakage
After Aeroseal: 77 CFM Leakage
Results: Pfizer saved \$35,000 annually

"The results spoke for themselves – the aerosol duct sealing was able to do what several attempts at manual sealing could not – and it did it without the demolition or disruption that traditional sealing requires."

--Edward Aviles, Project Engineer



VA Medical Center of Indianapolis

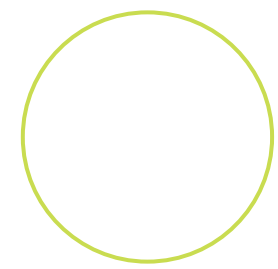


Case Study

Building: VA Medical Center
Before Aeroseal: 900+ CFM Leakage
After Aeroseal: 63 CFM Leakage
Results: Reduced Average Leakage by 93%

"Aeroseal proved to be the right solution for the problem. I've been in this business for quite a long time and I've seen quick solutions come and go, but this one actually held water"

--Timothy Flynn, General Engineer



Sutter Solano Medical Center



Case Study

Building: Sutter Solano Medical Center
Before Aeroseal: 653 CFM Leakage
After Aeroseal: 0 CFM Leakage
Results: OSHPD Compliant, \$1,438 annual savings

"I focus exclusively on healthcare facilities and I think that any one of my clients would have an application for this technology. If this (sealing project) was done manually, it would have potentially taken weeks rather than a couple of days to complete."

--Sean MacBride, Owner





Government Case Studies

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Cambridge Housing Authority (Multi-Family)



Case Study

Building: Cambridge Housing Authority
Before Aeroseal: 900+ CFM Leakage (Avg.)
After Aeroseal: 40 CFM Leakage (Avg.)
Results: Met requirements to become LEED
certified

"Initially there was a lot of skepticism among the building engineers. After seeing the results, they are all now believers and big fans of the technology."
--Bob Corsetti, Aspen Duct Cleaning





Federal Bureau of Prisons



Case Study

Building: Federal Bureau of Prisons
Before Aeroseal: 49,147 CFM Leakage
After Aeroseal: 5,731 CFM Leakage
Results: 89% reduction in leakage,
\$140,000 annual energy savings

Aeroseal's portion of the job was a crucial piece. If they didn't get the sealing done, we wouldn't be able to finish each floor on time. The communication was excellent! The Aeroseal team was very good at listening and giving us feedback, which helped us coordinate the job with the rest of the subcontractors. We actually beat our schedule by six months."

--Rob Lester, Sr. Project Manager

Fort Drum Army Base



Case Study

Building: Fort Drum Army Base
Before Aeroseal: 30% avg. duct leakage in new homes
After Aeroseal: Less than 5% avg. duct leakage in new homes

Average gas use in each home was reduced by 47%; Achieved ENERGY STAR certification



Mecca Central Railway Station



Case Study

Building: Mecca Central Railway Station
Before Aeroseal: 71,957 CFM Leakage
After Aeroseal: 1,127 CFM Leakage
Results: 98.25% avg. leak reduction

"Despite a tight schedule, we handed off the HVAC system early, before other building systems. AWT and Aeroseal duct sealing were critical to our success."

--Mohammad Boshnack



Naval Base Kitsap



Case Study

Building: Naval Base Kitsap

Before Aeroseal: 7,289 CFM Leakage

After Aeroseal: 170 CFM Leakage

Results: Sealed ductwork to 97% leakage reduction;
Fixed mold
and mildew issues; Achieved code compliance for
duct leakage specification

“When you have masses amount of ductwork – even if it is all accessible, it would be prohibitive to seal by hand. The replacement costs, the labor costs and just finding all the leaks would make a manual approach indefensible. Aeroseal proved to be the best solution.”

--Scott Blair, Contract Specialist





Education Case Studies

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Texas A&M



Case Study

Building: Texas A&M

Before Aeroseal: 17,413 CFM Leakage

After Aeroseal: 1,271 CFM Leakage

Results: Provided University with
\$30,000 in annual energy savings

"Aeroseal is a complete turnkey process. It does the pre-measurement, the sealing, and then the post measurement. That's one thing that is perfect for performance contracting. This solution elevates duct sealing as a primary strategy for our business."

--Adrian M. Wallace, Energy Engineers Solutions Managers



University of Miami



Case Study

Building: Cox Science Building

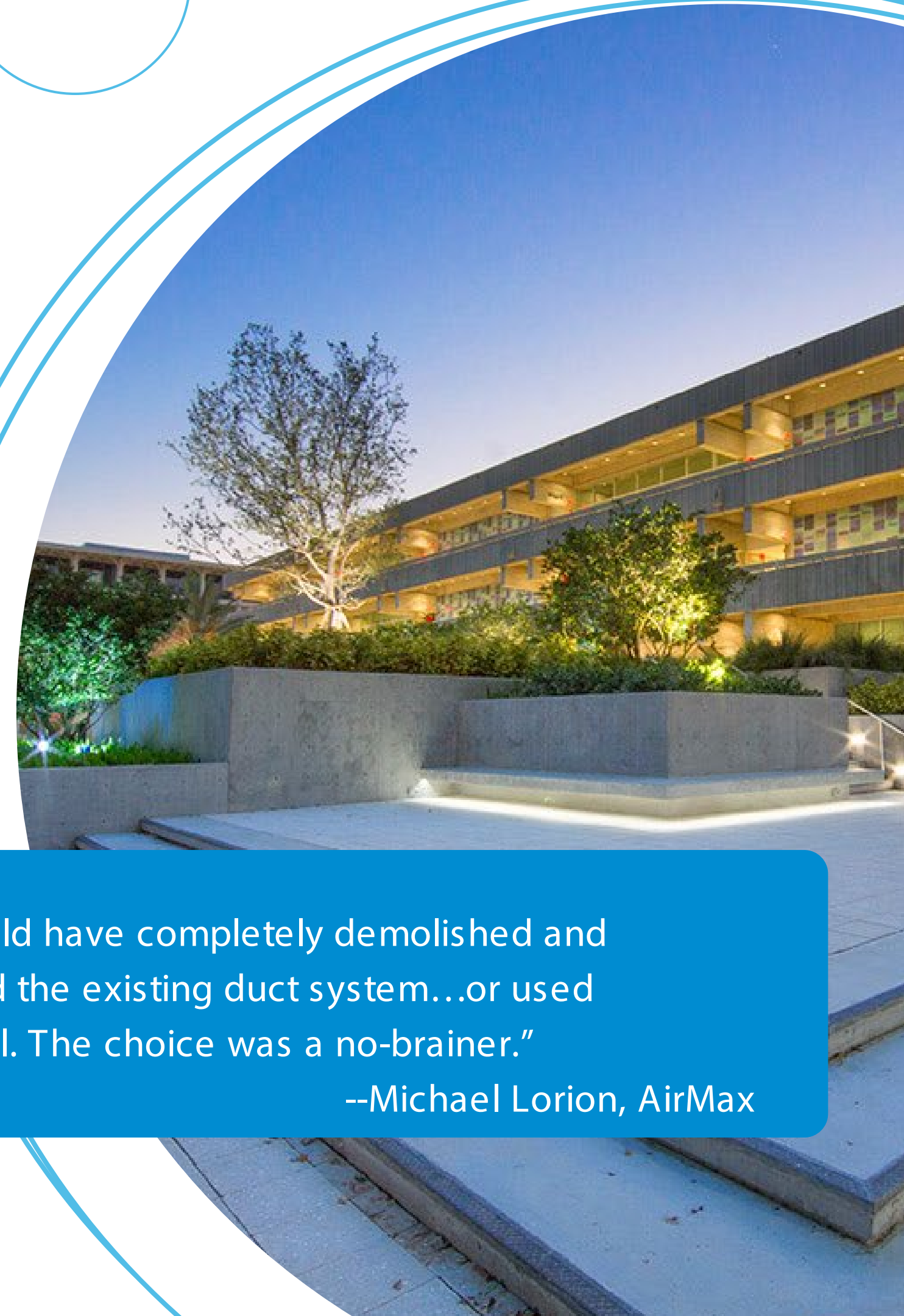
Before Aeroseal: 1,000+ CFM Leakage

After Aeroseal: 215 CFM Leakage

Results: With 80% reduction of leakage, all twenty fume hoods were retested and successfully met safety requirements.

"We could have completely demolished and replaced the existing duct system...or used Aeroseal. The choice was a no-brainer."

--Michael Lorion, AirMax



Harvard University Girguis Lab



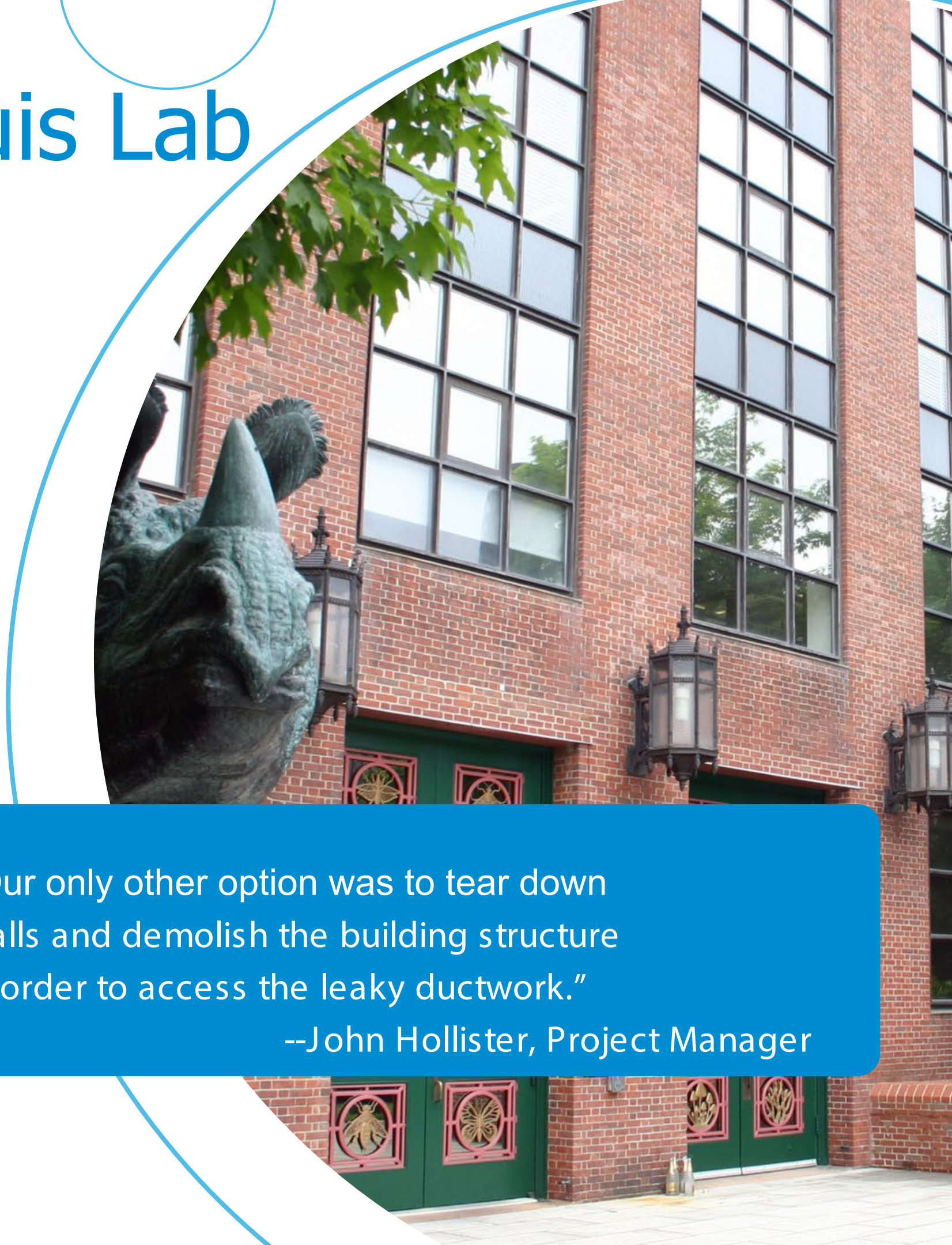
Case Study

Building: Harvard University

Before Aeroseal: 5,800 CFM Leakage

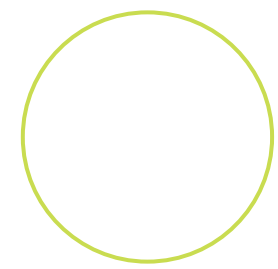
After Aeroseal: 429 CFM Leakage

Results: Sealed air ducts to 98% reduction in leakage; lowered HVAC fan speed by 60%, improving equipment performance.

A photograph of the Harvard University Girguis Lab building, a multi-story red brick structure with large, multi-paned windows. In the foreground, there is a large, dark, abstract sculpture. The building has green doors with decorative panels. The image is partially framed by a blue circular graphic.

“Our only other option was to tear down walls and demolish the building structure in order to access the leaky ductwork.”

--John Hollister, Project Manager



The Ohio State University



Case Study

Building: The Ohio State University

Results: Sealed 19 ventilation shafts within a two week time frame.

"Finding out about this new approach to duct sealing was a huge relief. The innovation turned a nightmare situation into a relatively minor problem. It allowed us to stay on schedule and ensured the new dormitory is the model of energy efficiency it was designed to be."

--Ruth Miller, Sr. Project Manager



Syracuse University Campus West



Case Study

Building: Syracuse University Campus West
Before Aeroseal: 900+ CFM Leakage (Avg.)
After Aeroseal: 40 CFM Leakage (Avg.)
Results: Met requirements to become LEED certified

"As energy efficiency standards become increasingly stringent, we will need to turn to new technologies like Aeroseal. It was a game-changer for this project and a key to our ability to meet the NYSERDA requirements."

--Sam Doss, Project Manager





K-12

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Clinton Prairie School Corp.



Case Study

Before Aeroseal: 21,050 CFM Leakage
After Aeroseal: 2,035 CFM Leakage
Results: Reduced leakage by 90.2%;
Created \$8,481 in annual energy savings

"The process went smoothly, and the final analysis showed an energy savings of more than the original estimate. As a performance contractor, we guarantee saving up front, and with the help of Aeroseal duct sealing, we delivered."

--Adrian M. Wallace, Energy Engineers Solutions Managers



Los Angeles Unified School District



Case Study

Before Aeroseal: 2,766 CFM Leakage
After Aeroseal: 207 CFM Leakage
Results: Sealed ductwork in
elementary school to approximately
92% leakage reduction annually



"Aeroseal really proved its value. The sealing was done without disrupting the classrooms and the overall impact on the school was nil. The biggest concern I heard from all those gathered to watch was that it may reduce the workload for several contractors."

--Charles Orndorf, L.A. Unified School District

Licking Heights

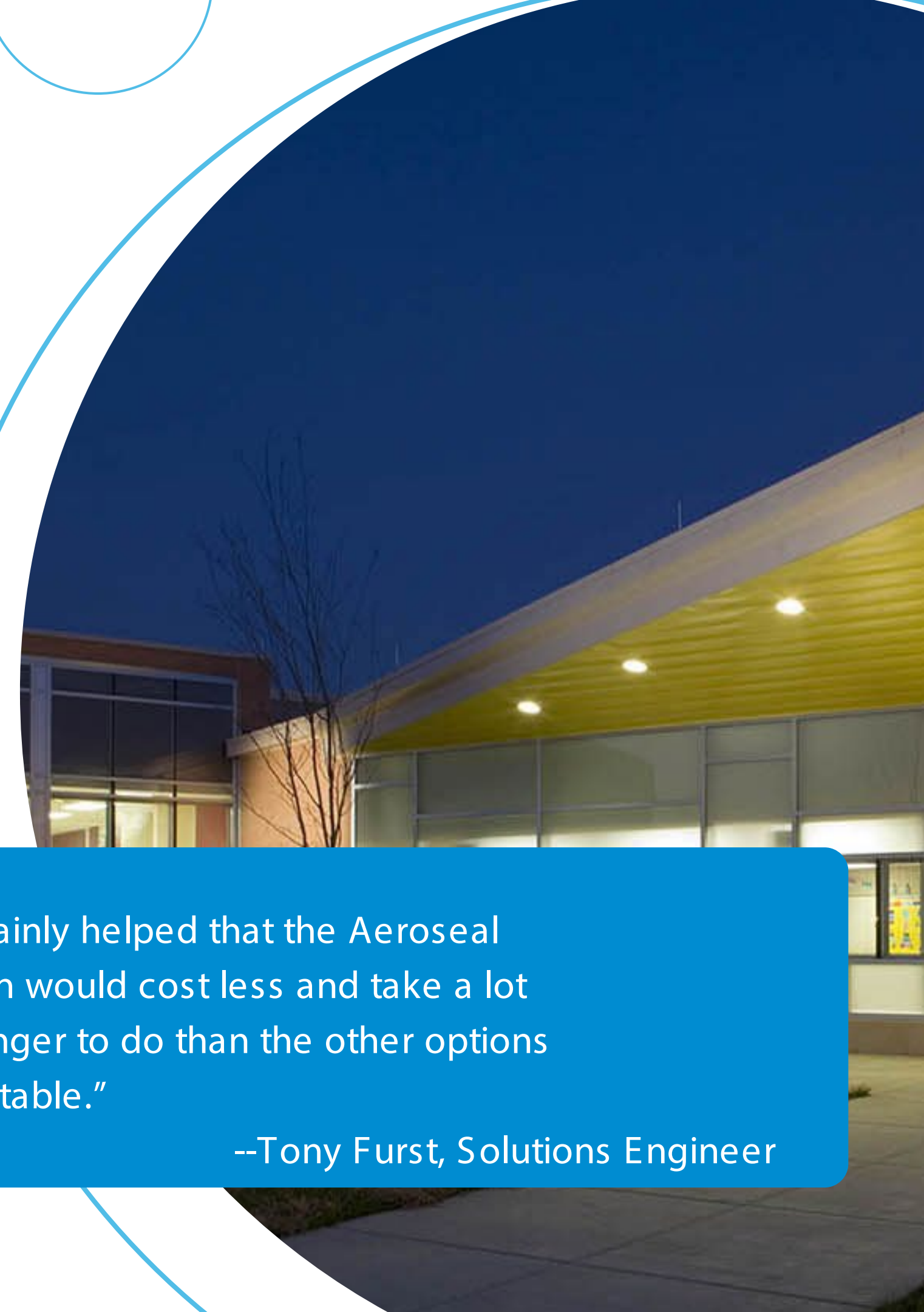


Case Study

Before Aeroseal: Losing 55% of treated air
After Aeroseal: Delivering 98% of treated air
Results: Reduced duct leakage by 27,350+ CFM.
Reduced energy bill by \$45,000/year. Eliminated uneven heating issues.

"It certainly helped that the Aeroseal solution would cost less and take a lot less longer to do than the other options on the table."

--Tony Furst, Solutions Engineer



Mercer County Schools



Case Study

Building: Glenwood Junior High School

Before Aeroseal: 5,131 CFM Leakage

After Aeroseal: 2,359 CFM Leakage

Results: Aeroseal eliminated 2,772 CFM of leakage – or 6.93 tons of cooling – well below the leakage rates demanded by building code

“There were a lot of questions beforehand regarding the use of the spray sealant in a classroom setting, but the results proved any prior concerns unnecessary.”

--Gary Bailey, Maintenance Director



Corporate Case Studies

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JW Marriott - Atlanta



Case Study

Building: JW Marriott

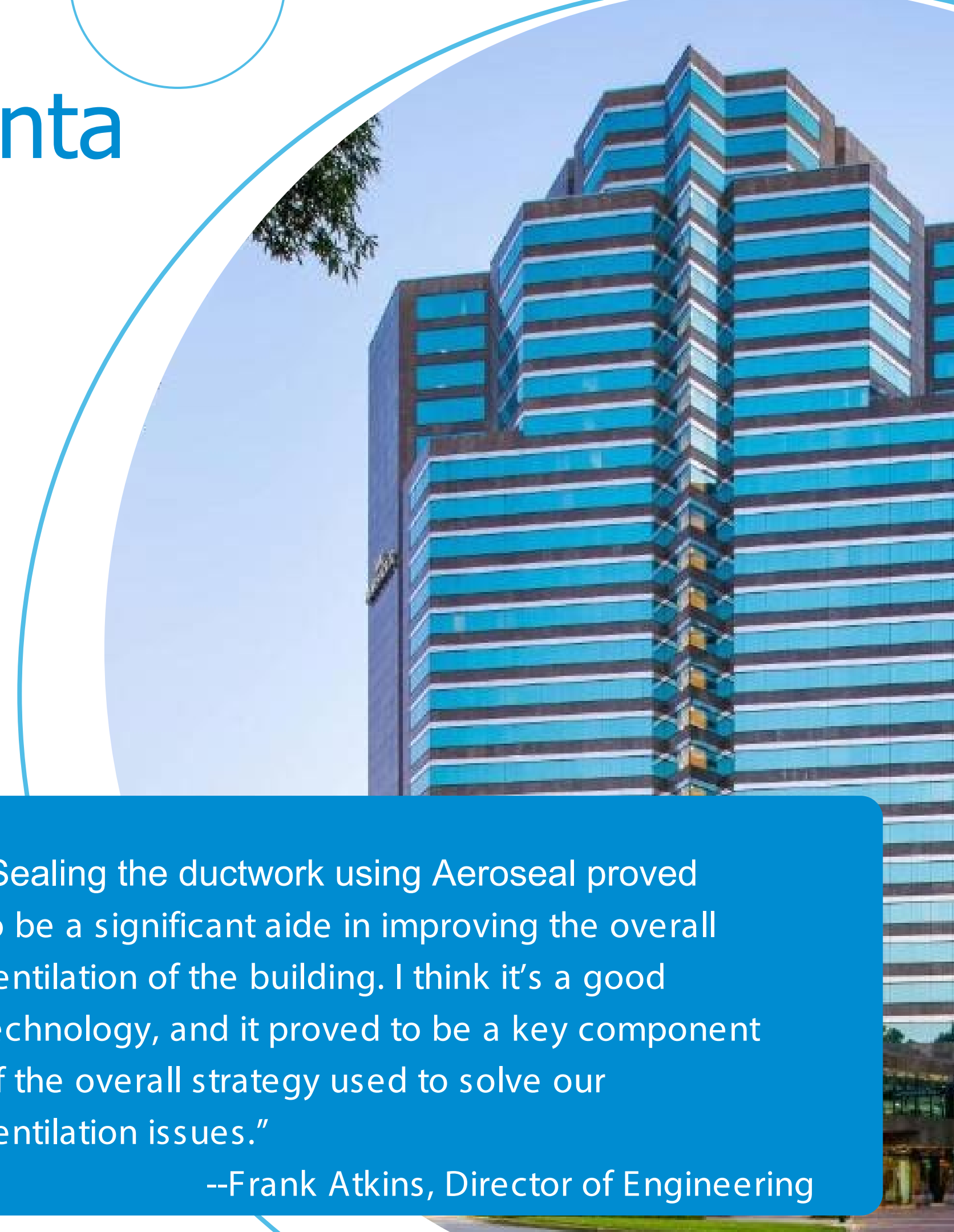
Before Aeroseal: 4,670 CFM Leakage

After Aeroseal: 553 CFM Leakage

Results: Reduced leakage by approximately 88%;
guests were unaware of the remediation work
being conducted

“Sealing the ductwork using Aeroseal proved to be a significant aide in improving the overall ventilation of the building. I think it’s a good technology, and it proved to be a key component of the overall strategy used to solve our ventilation issues.”

--Frank Atkins, Director of Engineering



Hyundai USA

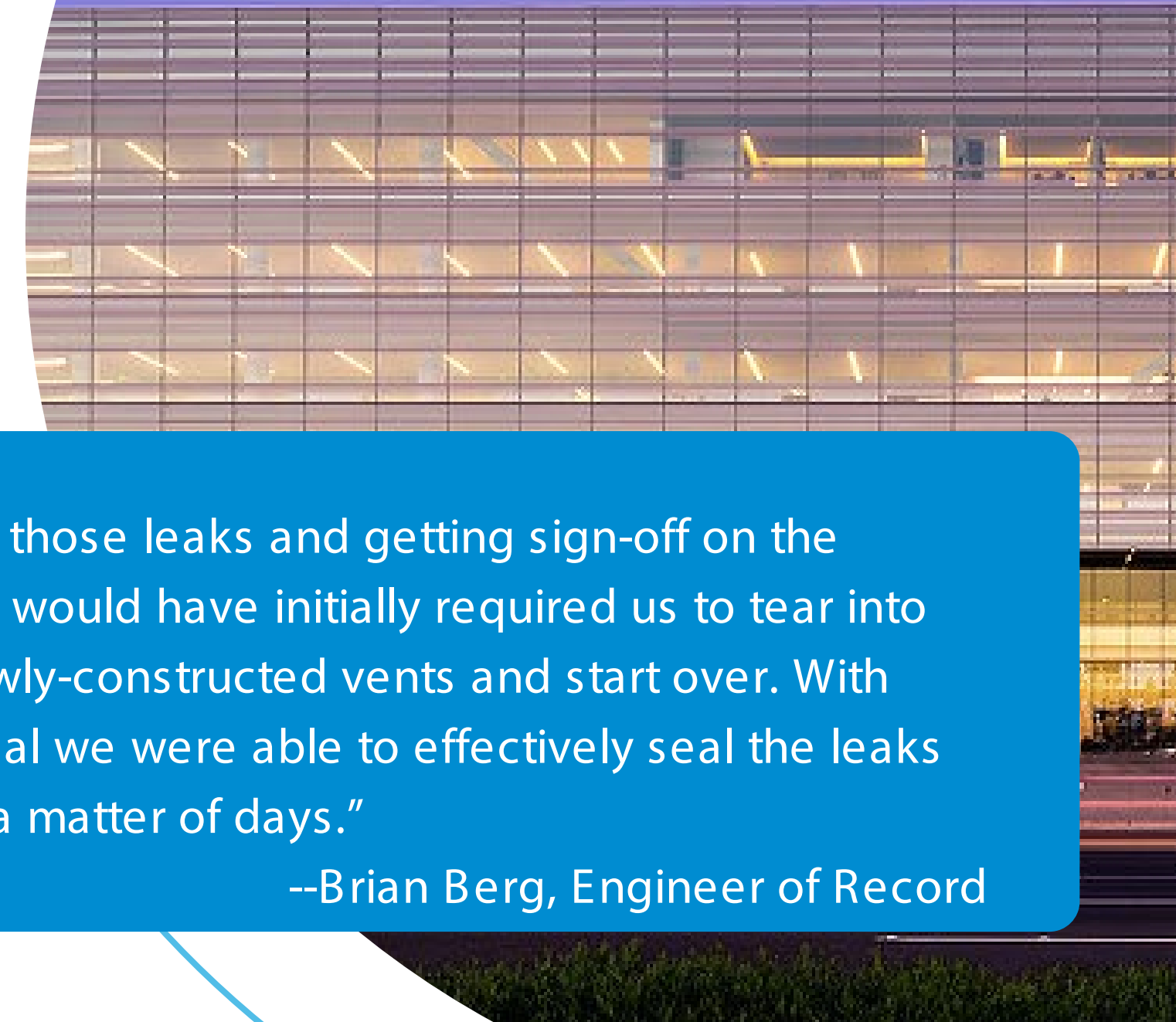


Case Study

Building: Hyundai USA
Before Aeroseal: 14,861 CFM Leakage
After Aeroseal: 808 CFM Leakage
Results: 95% Building Leakage
Reduction to Meet Code

"Fixing those leaks and getting sign-off on the project would have initially required us to tear into the newly-constructed vents and start over. With Aeroseal we were able to effectively seal the leaks in just a matter of days."

--Brian Berg, Engineer of Record



Louisville Gas and Electric



Case Study

Building: Louisville Gas and Electric

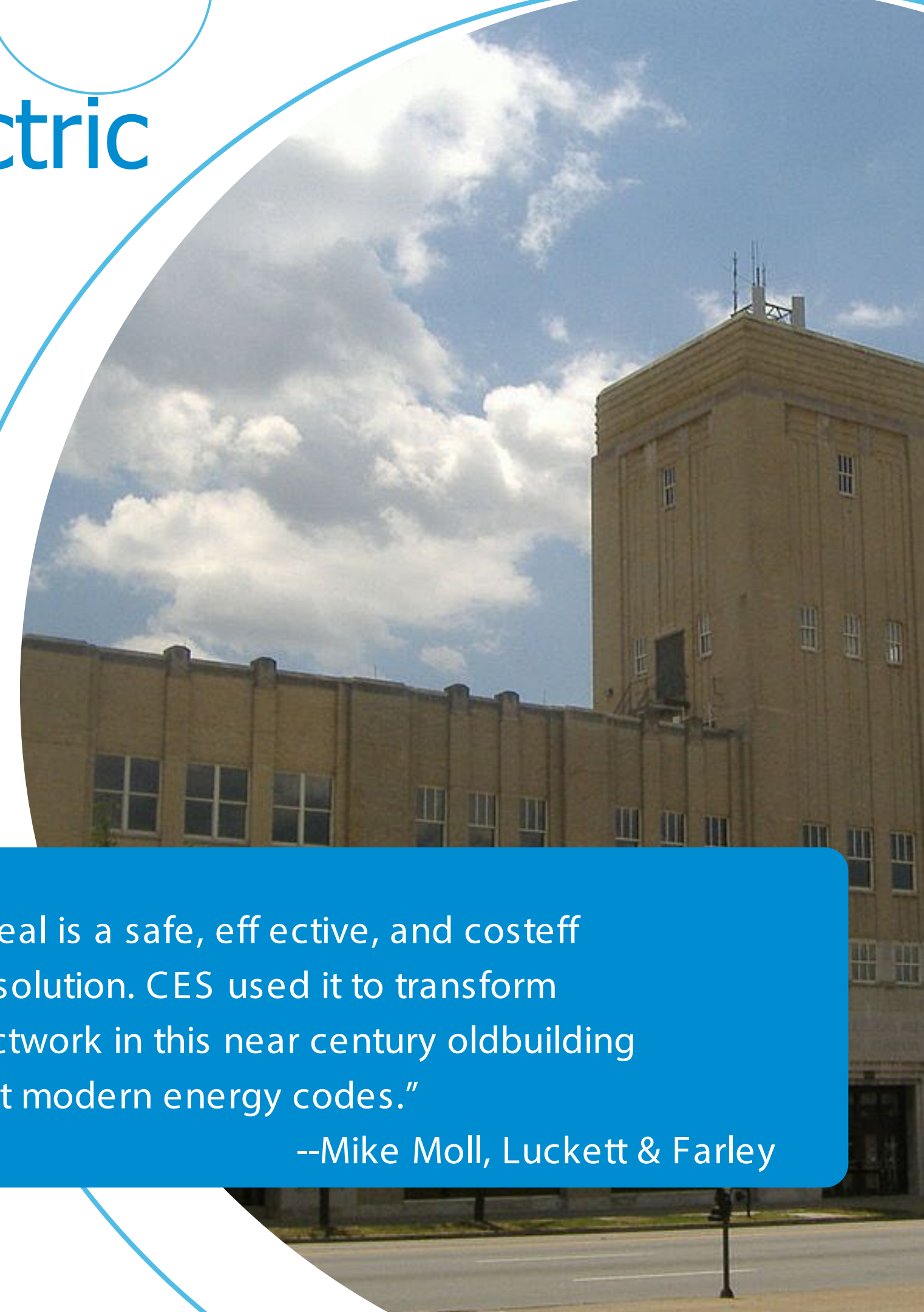
Before Aeroseal: 7,011 CFM Leakage

After Aeroseal: 892 CFM Leakage

Results: 88% average leakage reduction for each segment, allowing the HVAC to be properly balanced and the project to be completed.

"Aeroseal is a safe, effective, and cost effective solution. CES used it to transform the ductwork in this near century old building to meet modern energy codes."

--Mike Moll, Luckett & Farley



Weis Markets



Case Study

Building: Weis Markets

Results: Leakage reduction of 20.5%;
energy costs cut by \$5,000 yearly

"Together we were able to achieve big energy savings, and more importantly for our customers, Weis was able to implement this ECM . . . without disrupting store operations."

--Dan Cohan, Sona Energy Solutions





High Rise/Multifamily

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Arthur Street Building



Case Study

Before Aeroseal: 427 CFM Leakage
After Aeroseal: 15 CFM Leakage
Results: Certified 5-Star rated for
building performance; 10% the cost of
manual sealing. 18 month estimated ROI

"The Aeroseal technology allowed us to seal the entire 23-story duct system in a matter of days, without disrupting the existing tenants."

--Rob Lord, Managing Director



KAFD Towers



Case Study

Before Aeroseal: 9,141 CFM Leakage
After Aeroseal: 310 CFM Leakage
Results: 96.6% average leakage reduction and all buildings meet code, allowing SAUDICO to deliver the project.

"The airflow issues were addressed meticulously and quickly by AWT Services. The Aeroseal duct sealing went smoothly and delivered real results. Based on this project, we will consider Aeroseal again to ensure our buildings always meet code from the first time."

--Nidhal Al Masri - Project Director



Northgate II Apartments



Case Study

Before Aeroseal: 971 CFM Leakage

After Aeroseal: 83% Avg Reduction in CFM Leakage

Results: Sealed ductwork to 83% average leakage reduction; Saved \$34,000/year from reduced exhaust fan usage plus an additional \$3,000/year from increased heating efficiency; Achieved payback period of 3-4 years

"Our multi-family building specialists have a keen interest in ventilation systems and the wasted energy that often results from leaky ductwork. Through our ongoing experience with aeroseal technology we've come to including the aeroseal process as a standard recommendation when leaky duct systems are a concern."

--Don Casper, Energy Auditor



Museum House Condominiums



Case Study

Before Aeroseal: 300+ CFM Leakage

After Aeroseal: 6.5 CFM Leakage

Results: Sealed ductwork to 90% average leakage reduction; Achieved compliance with duct sealing codes and improved HVAC performance of the property

“Aeroseal was the only viable option there was. Our only other alternative was to tear down the walls inside each apartment and seal the individual duct systems manually (by hand with mastic/tape). From a purely monetary standpoint, this approach saved us hundreds of thousands of dollars in renovation costs. Aeroseal works – and works very well.”

--David Hart, Project Manager



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