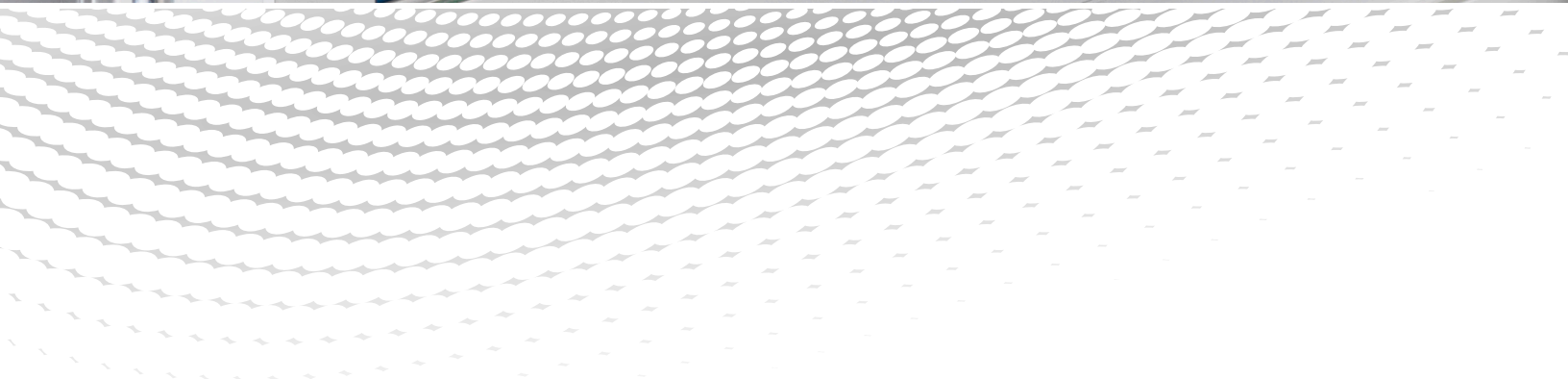


# SUCCESS STORIES

TAMCO 



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EXPERIENCE TRUE EXCELLENCE IN SERVICE, QUALITY,  
AND MAINTENANCE-FREE PERFORMANCE.

## SUCCESS STORIES



### R. J. DALEY CENTER TAMCO SERIES 1500

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2003

Mr. Dan Romero, Chief Engineer at the Richard J. Daley Center, Chicago, headed the project to retrofit one of the key systems in this building. The primary requirement was to find a low-leakage, maintenance-free damper that could withstand 9 in. w.g. of static pressure.

A meeting between Mr. Romero of Stern Mechanical and Mr. Jim Karambelas of Energy Improvement Products was instrumental in developing a plan for TAMCO to supply more than 2,700 square feet of dampers for this job. The damper selected was the Series 1500 Enhanced Air-Foil Control Damper (AMCA Certified Leakage Class 1A, at 1.2 cfm/sq.ft. at 1 in. w.g. of static pressure). The application also called for the use of specially designed, TAMCO horizontal and vertical jackshafts. Pneumatic actuators were installed in tandem, as shown in the picture to the left.

MB Real Estate was so pleased with TAMCO's product and service that they decided to replace all of the other existing dampers, with TAMCO dampers for the rest of this project.



### BRITANNIA AND LEMIEUX ISLAND TAMCO SERIES 6000 & 9000

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2003

In 2003, E. H. Price was awarded the Britannia and Lemieux Island Water Purification Plant projects. These plants, operated by the Municipality of Ottawa, required new ventilation systems for their existing buildings. Combined, over 800 square feet of TAMCO Series 9000 Thermally Insulated dampers and nearly 700 square feet of TAMCO Series 6000 Removable Insect screens were installed in these two facilities.

The engineer, CH2M Hill, specified TAMCO Series 9000 dampers and TAMCO Series 6000 Insect Screens for the water treatment plants. CH2M Hill insisted that TAMCO insect screens be used at these sites. Both plants are located near bodies of water that are annually besieged by swarms of shad flies. The insect screens are essential for preventing the flies from entering the filtration system. The screens must also be easily removable for regular cleaning. TAMCO is the only company that manufactures this type of insect screen.

E. H. Price Ltd. has made sure to foster strong, cooperative relationships with both engineers and contractors. The high level of communication between E. H. Price and Black & McDonald ensured that the contractor had a solid understanding of the products and their sizing. This helped to make the ordering process smooth and resulted in a flawless installation.

## INDIANA UNIVERSITY & PURDUE UNIVERSITY TAMCO SERIES 1500 & 9000

2007



Indiana University & Purdue University Indianapolis (IUPUI) chose TAMCO's superior quality dampers to replace all of the existing dampers in the Business Spea Building, in Cavanaugh Hall and in the University Library. In total, over 600 square feet of TAMCO Series 9000 Thermally Insulated dampers, Series 9000 dampers with the SC – Severe Cold Temperature Option, and Series 1500 Ultra-Low Leakage dampers were installed. TAMCO dampers were selected, because the original dampers that had failed due to freeze-up and wear over the years.

This project was secured by Keller-Rivest, the exclusive manufacturer's representative for TAMCO products in Indiana. Mr. Frank Haag of Keller-Rivest met with the engineering staff at IUPUI. He offered the university a free TAMCO Series 1500 damper, which was used as a replacement on an air handling unit. The engineers were extremely satisfied with its performance. Following this successful testing, the engineers presented the TAMCO damper to the University architects, who issued their approval and have listed TAMCO as standard in their specifications ever since.

Mr. David Pfeifer (Energy Systems Project Manager - Campus Facility Services) stated that the TAMCO Series 9000 and 9000 SC insulated dampers were installed in all outside air applications, because they are the optimal solution in cold winter conditions. "They have good insulation value and good weather seals...they protect against coil freeze-up." IUPUI selected Series 1500 dampers for all their return and exhaust air applications. Their ultra-low leakage rate makes them ideally suited to these applications, while providing a means of cost control on a damper replacement project of this size.

Mr. Pfeifer confirmed that one of the key selling features of TAMCO dampers was that "...they came straight from the factory more square than those of other damper manufactures." Mr. Pfeifer also listed the robust jackshafts and weather-tight seals as other selling points. "We have used all of the accessories and have been impressed with their performance."

IUPUI found that installing TAMCO dampers was easier, because the one inch wide flanges provide a flat mounting surface. They also preferred TAMCO dampers, because alignment joiners are provided with all multi-section dampers and holes are pre-drilled for jackshafts.

The engineers and project managers at IUPUI were impressed with the reliability of TAMCO dampers. At the time, Mr. Pfeifer said, "The TAMCO dampers have been installed at the university for over two and half years and have not needed any maintenance and they still perform like new! In 2007, the university had replaced all of the dampers in three buildings with new TAMCO dampers. Since then, TAMCO dampers were installed in three additional buildings and in all the air handling units.





**TRAVELERS TOWER**  
TAMCO SERIES 1500

**2014**

In 2014, Al Muratori (Chief Engineer/Travelers Tower, Hartford, CT) chose TAMCO Series 1500 Ultra-Low Leakage dampers as the replacement solution for the building’s existing corroded galvanized dampers. The 6000 employees at Travelers Tower were experiencing Sick Building Syndrome, because the old dampers, which had rusted shut, no longer allowed sufficient outside air to be drawn into the building.



Having worked with Travelers in the past, Mike Davis of Flow Tech was aware of the defective dampers and knew he could provide an efficient, cost-effective solution. Initially, two Series 1500 dampers were installed in December 2014. Mr. Muratori was extremely happy with their maintenance-free operation, energy efficient low-leakage performance, and superior quality. “The dampers close tight, and control a steady air temperature and airflow.” said Mr. Muratori. “When it comes to dampers, I recommend TAMCO above any dampers I’ve seen or used before.”

In January of this year, Travelers invited Flow Tech back to take measurements for replacement dampers in nine additional air handling systems, with the long-term goal of installing TAMCO dampers in the entire building. TAMCO dampers are a vital element in the HVAC system improvements that Travelers is implementing to ensure a healthy work environment for many years to come.



BEFORE RETROFIT

**HUNTINGTON BEACH**  
TAMCO SERIES 1000

**2016**

This is a shining example of a “Before and After” story! In January 2016, The George Yardley Company (TAMCO’s exclusive representative in California) supplied over 300 square feet of Series 1000 Air-Foil Control Dampers with the SW – Salt Water Resistance Option for a retrofit project in Huntington Beach. The existing dampers had been installed in 1982, when the mutli-tenant office building was originally constructed. Within a few years, the dampers rusted in the salt air conditions. The linkage components seized and eventually failed, as they corroded and as rust accumulated.

Sue Rogas, of The George Yardley Company met with the design engineer and also conducted site visits with several bidding contractors. Based on Sue’s recommendations and the fact that TAMCO was the basis of design, TAMCO’s SW – Salt Water Resistance Option with SW jackshafts was selected for the outside air, mixed air, and relief air dampers.

The contractor was highly impressed with the quality, appearance, and performance of the installed dampers. He thoroughly enjoyed working with The George Yardley Company and with TAMCO.



AFTER RETROFIT

## SUCCESS STORIES



*The energy savings measures implemented at Gist Hall resulted in a 41% energy usage reduction.*

### HUMBOLDT STATE UNIVERSITY | GIST HALL 2015 TAMCO SERIES 1000 WITH FACTORY-INSTALLED ACTUATORS

In an effort to achieve meaningful and consistent energy savings, the Higher Education/Investor Owned Utility MBCx Partnership Program offered a financial incentive to Humboldt State University (HSU), in Arcata, California to attain its energy use reduction objectives. The original goal was to save 20 percent of the energy needed to operate the Gist Hall building. Gist Hall is a 48,562 square foot concrete building at HSU, constructed in 1933. It houses offices, classrooms, a theatre, and an audiovisual studio.

As part of the overall retrofit project, TAMCO Series 1000 Air-Foil Control dampers with the SW – Salt Water Resistance Option and with factory-installed actuators were added in five outdoor air intake locations, where previously there had been no dampers at all.

As a result of all the measures undertaken, the university exceeded its goal by a significant margin. Energy usage was reduced by an impressive 41 percent at Gist Hall, and the university realized a Simple Payback of 2.3 years on their investment.

The engineers deemed that the lack of outdoor air dampers was one of the major sources of energy loss. Without the ability to control the volume of cold outdoor air entering the building during the morning warm-up, the air handlers took far longer to heat the building to the required setpoint. Once the TAMCO dampers were installed and kept fully closed during the morning warm-up, the amount of time required to reach the setpoint temperature was reduced significantly.

At the outset of this project in 2014, Doug Miller, of The George Yardley Company, met with campus officials and the installing contractor to conduct a site visit. Together, they determined that a total of seventy-nine square feet of dampers would need to be installed. Doug's exceptional support was instrumental in the development of a comprehensive design, incorporating TAMCO Series 1000 dampers with the Salt Water Resistance Option, complete with TAMCO factory-installed electric actuators.

TAMCO dampers' low leakage performance, ensured a tight seal, keeping cold air out and thereby reducing natural gas usage by 38.2 percent and electricity usage by 26.0 percent. TAMCO's factory-installed actuator solution provided ease of installation. This saved time, money, and labor by eliminating the need for on-site actuator installation. The durability and maintenance-free operation of TAMCO dampers will also minimize up-keep costs far into the future.

Based on the resounding success of the Gist Hall project, The George Yardley Company is now working with Randy Davis (Chief Engineer/Project Manager), Travis Flemming (Project Supervisor), and Brad Paz (Facility Operator) of HSU on further upgrades to seven other buildings. This will involve the installation of an estimated 1188 square feet TAMCO Series 1000 SW dampers with factory-installed actuators.

# SUCCESS STORIES



**SPX ENGINEERED AIR MOVEMENT**

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TA-TSS-24 | ISSUED 01/2024  
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