aramark FACILITIES MANAGEMENT

MAKING ESSENTIAL
EXCEPTIONAL

SCHOOL DISTRICT EMBRACES ULTRAVIOLET LIGHT TO IMPROVE INDOOR AIR QUALITY

Three Rivers School District (OR) sought a solution to not only address pandemic concerns, but also to improve air quality for the long term. The district's goal was to make their buildings as safe as possible, with air quality being one of its highest priorities. However, like most districts, they were challenged on many fronts.

The district spans a vast geography and has an aging infrastructure, with buildings ranging from 70 to 100 years old. Installing new HVAC systems was a non-starter due to cost. Yet, many district students have sensitive medical conditions, while many staff members are over 50 years old, putting them at higher risk for coronavirus and other airborne transmissible diseases. After trying popular solutions that didn't work, the district approached Aramark for insight.

Through its deep technical expertise and unique partnership with PlanLED, Aramark recommended Upper Room Germicidal Ultraviolet. Three Rivers quickly found this solution met their needs. With its deployment, the district gained safer schools, cleaner air, lower energy expense and a cost-effective solution that is easy to install and maintain.

QUICK STATS

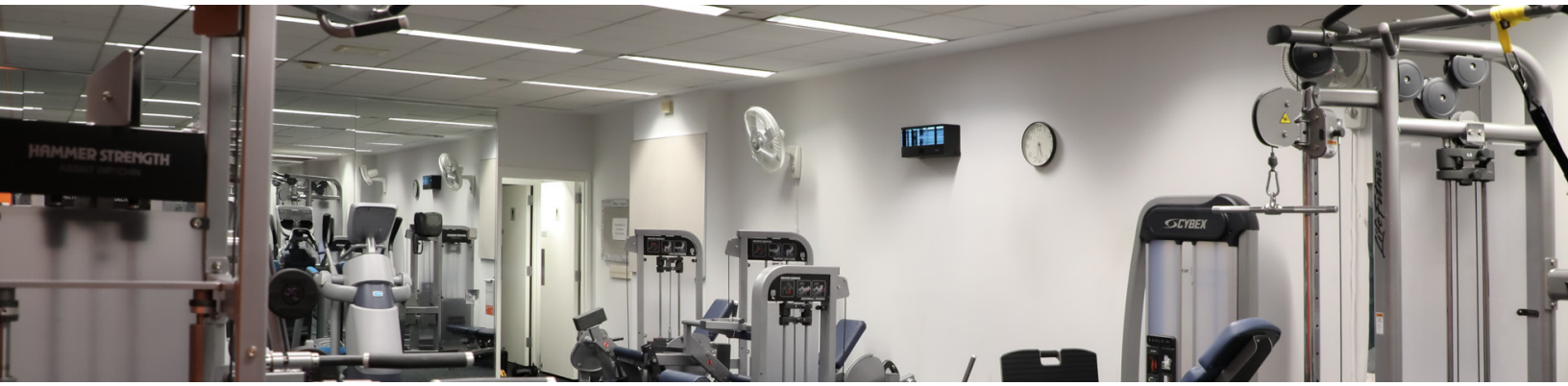
STUDENTS:
4,500

EMPLOYEES:
650

SCHOOLS
16

DISTRICT SIZE:
1,600 SQ. MILES

ARAMARK PARTNER SINCE:
1987



Three Rivers School District
Quality Education Runs Deep

EVIDENCE-BASED, CDC-APPROVED IAQ SOLUTION

Upper Room Germicidal Ultraviolet light is a proven air sanitation solution that reduces the risk of pathogens. It's recommended by the CDC as part of a "layered strategy" to improve indoor air quality (IAQ). The disinfection solution delivers ultraviolet light into a room, which neutralizes viral, bacterial and fungal organisms living in the air. The technology is based on 90 years of research, which shows a consistent reduction of airborne transmission by 80% to 90%.

The solution also increases the number of air changes per hour in a room by up to eight, exceeding the CDC's recommendation of six or more per hour. One study found a 50% reduction in infections in rooms that had five per hour. This is well over the typical one or two air changes per hour in a classroom — making those rooms riskier environments for students and staff alike.

"WE GREATLY APPRECIATE OUR PARTNERS AT ARAMARK WHO HAVE HAD OUR BACKS FOR YEARS AND SPEARHEADED OUR JOURNEY INTO THE PLANLED ULTRAVIOLET SOLUTION. THE SYSTEM IS HELPING US ENSURE WE HAVE SAFE AIR FOR ALL OUR STUDENTS AND FACULTY."

— Dave Venezuela, Superintendent, Three Rivers School District

SOLUTION DELIVERS SIGNIFICANT BENEFITS

Upper Room Germicidal Ultraviolet light has been used in multiple situations with great success, including to fight measles outbreaks (74% reduction in transmission), tuberculosis outbreaks (80% reduction in transmission) and Asian flu outbreaks. It's endorsed by the CDC, EPA, Harvard Medical School and the public health program ASHRAE.

The benefits of Upper Room Germicidal Ultraviolet include:

- Disinfection of indoor spaces where the most transmission occurs.
- Better performance than air ducts and HVAC equipment alone.
- Protection of room occupants from the common cold, seasonal influenza and future covid variants.
- Reduction of absenteeism by keeping students and staff healthier.
- Cost effectiveness versus many other solutions, including HEPA filters.

PLANLED™ OUTPERFORMS HEPA FILTERS IN NOISE AND COST

Prior to deploying the Upper Room Germicidal Ultraviolet solution, the district installed HEPA filters in freestanding filtration units starting with classrooms with medically-vulnerable students. But once they were deployed, they found a significant problem — the units were extremely loud. Between the added noise and the masks, the teachers and students could not hear each other. Often teachers unplugged the devices. Additionally, the district's analysis indicated the expense of high-end filters and energy to run the units was cost-prohibitive in the long term.

The Upper Room Germicidal Ultraviolet solution provided by Aramark solved both problems. The units are quiet and cost-effective. Running the units requires the same amount of energy as running a 42-watt light bulb. The typical annual energy cost per hour to run the devices is just $2.41, a fraction of what other methods cost. Plus, it automatically turns off and on based on room occupancy. The small units emit a soft blue glow, serving as a comforting visual reminder that the air they breathe is constantly being cleaned.

"OUR STAFF SAY THEY FEEL BETTER ABOUT THEIR SAFETY THANKS TO OUR DEPLOYMENT OF THE UPPER ROOM GERMICIDAL ULTRAVIOLET SOLUTION. THEY CAN SEE THE UNITS ON THE WALL AND THE BLUE LIGHT WHEN THEY ARE TURNED ON, AND THEY KNOW WE'RE TAKING THE EXTRA STEP TO PROVIDE A SAFE ENVIRONMENT FOR THEM AND THE CHILDREN."

— Dave Venezuela, Superintendent, Three Rivers School District

DISTRICT EXPANDS INSTALLATION OF ULTRAVIOLET UNITS

To further improve its air quality — and reduce the risks of illness and attendance issues — Three Rivers School District, with Aramark's help, created a deployment plan for the Upper Room Germicidal Ultraviolet solution starting with schools with medically-vulnerable students. As confidence in the solution grew, they began an expansion program that included common areas, such as gymnasiums, libraries and dining areas. The next big step for the district is to further expand the technology ultraviolet technology into all classroom spaces.

While Oregon has a vaccine mandate for educators, the school district can also bring back staff that are not vaccinated. In turn, the district needed mitigation strategies in place. For Three Rivers, its Upper Room Germicidal Ultraviolet solution is one of those mitigation tactics.

TO SEE HOW ARAMARK CAN HELP KEEP YOUR SCHOOL DISTRICT SAFE, CONTACT US TODAY.

CONTACT US

www.aramark.com