



Everyone in Every Industry Benefits

"We instituted a quality control to compare ArrowClean to our previous chemical cleaners and our quality controls are showing that ArrowClean system has better efficacy. The short kill time allows us to off load the bottleneck of the ER."

JYNNELL ELDER,
Trauma Program Manager
Paris Regional Medical Center

"The staff is pleased by the simplification of cleaning and disinfecting processes. They're happy to be using only two solutions."

DONALD ALLEN
EVS - O.R.
Christus Trinity Mother Francis

ArrowClean™ is great for a multitude of industries big or small. Just about anyone that is cleaning anything, which should be everybody, can benefit from a system like ArrowClean. Here's a look at others who have evolved using ArrowClean!

Healthcare

Paris Regional Medical Center

ArrowClean's 20-Second Disinfectant TK60 Successfully Implemented in Texas Trauma Service Areas

Amid the pandemic, Piney Woods Regional Advisory Council Trauma Service Area G (RAC-G) began implementing ArrowClean's patented devices in hospitals. Their primary goals were to ensure an ample supply of disinfectants, prevent harmful chemical exposures, and streamline cleaning procedures.

Brandon Moore, Healthcare Coalition Coordinator for Trauma Service Area F said, "ArrowClean's device makes it so hospitals can manufacture their own disinfectant and cleaner on-site. We really like the ease-of-access with ArrowClean's TK60 and FC+. We're able to use this to clean everything; concrete, ceilings, bed rails."

Christus Trinity Mother Francis Hospital

Hospital Upgrades Cleaning Protocols Effective Against Coronavirus

It all started out, like most changes do, with a problem that needed to be solved. The team at Christus Trinity Mother Frances Health System in Tyler, Texas was tired of the residues left behind by the bleach wipes they were using for disinfection and they were on a mission to find a solution.

At the time, the hospital's contracted EVS company was using Virex 256 for general disinfection. They also used Clorox Bleach Germicidal in instances where C-diff was a concern. They were introduced to ArrowClean, a company that claimed to offer a residue-free disinfectant with a one-minute contact time.

Initially, the team was skeptical, thinking ArrowClean's disinfecting and cleaning technology was too good to be true. However, after a product demonstration, everyone was impressed, and in late 2018 ArrowClean's technology was implemented.

After initial success in the hospital's operating rooms, Christus leadership was curious to explore the impact using a one-minute contact time disinfectant would have on patient room turn times. They worked with their EVS Team Members and ArrowClean to conduct a controlled evaluation, comparing the previous cleaning and disinfecting processes to the new standard. The results were clear and astounding.

Room Evaluation Results

- Because Virex 256 dries after approximately three to five minutes, multiple applications were needed to ensure compliance with its 10-minute contact time
- Using TK60 during Regular Discharge Cleaning resulted in an average 37-minute decrease in patient room turn time
- Using TK60 during C. diff Discharge Cleaning resulted in an average 49-minute decrease in patient room turn time

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"ArrowClean has made a huge difference in the lives of the staff and the residents. It has been 2 years since we had any flu cases in Independent Living. And for the last 2 years we have only had 4 cases of the flu in Assisted Living. Plus, the staff call-offs and sick days due to the flu have dropped 65% since we started using ArrowClean."

TAMMY ROWE

Regional Director of Health Services
Franklin Park Retirement Communities

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Extended Care

Franklin Park Retirement Communities

Maintaining Clean and Safe Environments for Our Residents

As the Executive Director of a senior community housing over 250 people and over 90 staff members, cleanliness and proper disinfection is paramount to our operations. With just one flu bug outbreak, we can be fighting the flu for several weeks. It is not only disruptive to our residents; it can wreak havoc on scheduling when so many staff members are sick. That dilemma no longer exists after the implementation of ArrowClean's technology. Our residents' lives depend on us to clean and disinfect properly, so we make this quality choice to produce the non-toxic solutions right in our own community.

Background

Prior to installation we conducted extensive due diligence, which included participating in a demonstration where a representative from ArrowClean brought the cleaning and disinfecting solutions to our facility and worked with housekeeping team to determine whether the solutions were viable replacements for the chemical products we had been using previously.

Feedback

- Both the cleaning and disinfecting solutions are fragrance-free which makes it easier to breathe – major benefit to the respiratory health of residents as well as staff members TK60 One-Step Disinfectant
- Excellent streak-less window cleaning – windows and mirrors can be cleaned as well as disinfected using only one product
- Cleans and adds a nice shine to various metals, fixtures, counter tops, toilets, trash cans, drinking fountains and elevators - oils that were used to add shine to metals won't be needed any longer

FC+ All-Purpose Cleaner

- Removed most of the tough carpet stains after one application with hand extractor
- Removed lime scale and soap scum from behind sink faucets
- Removed dark grout stains from tiles in bathroom
- Removed black scuff marks from walkers, sticky chemical residue, and wax build-up from wooden floors in elevators
- Removed residue build-up on elevator walls and around buttons
- Removed 'stickiness' from tiles by kitchen entrance
- Removed hard water stains from drinking fountains

Data & Analysis

Since implementing ArrowClean's cleaning and disinfecting solutions, we have noticed a significant drop in the number of flu cases and other respiratory ailments. That is because it takes only 60 seconds for the surface to be totally disinfected and the products don't contain fragrances. This change has not only been beneficial to our residents, our staff has also seen a reduction in the number of call-offs due to illness. Additionally, our staff has said that they breathe easier and no longer suffer from the allergy issues caused by the chemical additives in the cleaning products used before.

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"In spite of our cleaning protocols early on, we had a lot of people out sick, but since switching to ArrowClean, we've had zero out — it's an unlikely coincidence. The system also saves us a ton of money compared to what we were spending on disinfectant alone, so it's a win-win."

TOM MCCULLUM
President & CEO of Audi Dallas

"My boss says I'm a rock star for coming up with innovative ways to get things done. ArrowClean technology works better and faster than anything we've ever used before."

ERIC HERMAN
Public Service Manager
City of Austin Dept. of Building Services

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Building Services

Audi Dallas **Successfully Fending Off COVID With Innovative Disinfection Protocols**

With hundreds of customers and cars coming into the 80,000 square foot facility each day, safe and efficient disinfecting is an integral component to the Audi Dallas' COVID response. The management team selected ArrowClean after learning of the successes achieved at neighboring restaurant, Al Biernat's steakhouse.

Since implementing ArrowClean's system, Audi has experienced favorable outcomes as well. "In spite of our cleaning protocols early on, we had a lot of people out sick, but since switching to ArrowClean, we've had zero out — it's an unlikely coincidence. The system also saves us a ton of money compared to what we were spending on disinfectant alone, so it's a win-win," said Tom McCollum, President and CEO of Audi Dallas.

ArrowClean's patented device is installed within the facility and produces an ample supply of TK60, a healthcare-grade disinfectant that's proven to be effective against COVID in under 20 seconds, 30 times faster than most products in the market, as well as a multi-surface cleaner and degreaser FC+. Both solutions are over 99% water, free of toxins, color, and added fragrance, so they safe to use on the interiors of the Audi vehicles as well, which helps to keep customers and service techs safe. Every set of keys, steering wheel – bumper-to-bumper, every car is wiped down with TK60.

"We're committed to staying clean – COVID or not, we're going to keep up our disinfection practices to help prevent other infectious diseases," Mr. McCollum added. "ArrowClean's device creates so much supply that our staff is able to take the surplus home for their own personal use as well."

Government

City of Austin **Charging Ahead of Coronavirus with ArrowClean's State-of-the-Art Technology**

Austin's Building Services Department has implemented a game changing technology from ArrowClean, a local, woman-owned company. This technology enables Building Services to produce a powerful, hypoallergenic healthcare-grade disinfectant and a powerful, hypoallergenic all-purpose cleaner on-site. The disinfectant kills Coronavirus and other harmful pathogens lightning fast, without posing a threat to the workers using it.

"It's amazing what a little change, like these solutions, can do for morale," said Eric Herman, Public Services Manager for The City of Austin. In addition to providing protection against the Coronavirus, the program is saving taxpayer dollars to boot; a 54% reduction in chemical expenses over three years. The program has already been implemented in several city facilities, including Human Health Services, Austin Animal Center, Austin Police Department, Austin Municipal Court, Downtown Austin Community Court, and One Texas Center. The city is aggressively expanding throughout additional buildings.

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"I've been in the restaurant business for over 20 years. I've never seen anything work as well as FC+. We save 30% on chemical costs annually and clean during open hours."

BLAIR BLACK

Restaurant Manager at Al Biernat's

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Foodservice

Al Biernat's Restaurants

Transcending COVID-19 Safety & State Sanitation Guidelines

Al Biernat's, an iconic Dallas steakhouse established in 1998, has completed an upgrade of their cleaning products with the recent installation of Texas-based ArrowClean's advanced disinfection technology. The dining destination has always had a special connection with its customers, and amid the pandemic, has looked to industries such as healthcare to best protect their patrons.

The rules for Texas restaurants are constantly changing. Earlier this summer, Texas Governor Greg Abbott rolled back the already restrictive restaurant reopening plans following a spike in cases of COVID-19. To maintain employment and continue to serve patrons, Al Biernat's introduced new offerings such as to-go and delivery services, and launched a "meat market" where customers could order food to prepare at home.

To safely welcome dining guests back, the restaurant installed an air purification system derived from NASA technology. Not long after, they implemented ArrowClean's advanced disinfecting technology which enables them to produce TK60 on-site. This healthcare-grade disinfectant is hypoallergenic and safe for food-contact surfaces. TK60 far exceeds the EPA's efficacy requirements for both healthcare-grade and N-List disinfectants, as well as the national guidelines for restaurant sanitation.

"These unprecedented times have only deepened our connection to our guests and community members. We're doing our research and championing best in class technologies to protect those that dine, laugh, and enjoy their time with us," said Brad Fuller, the Director of Operations at Al Biernat's.

ArrowClean's device is attached directly to the restaurant's water supply, eliminating dependence on unreliable chemical supply chains. While disinfectants commonly used in restaurants include toxic ingredients and require a contact time of 10 minutes to work, TK60 kills pathogens in just one minute and is safe for humans, food-contact surfaces, and the environment.

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*"We want to make
Southwestern the
greenest school in Texas."*

JOSH LONG

Environmental Studies Professor
Southwestern University

*"Since the ArrowClean
solutions work and dry
quickly, we haven't seen
any delay in daily classes."*

DIANA BARTHOLOMEW

Principal
Faith Lutheran School

*"Disinfection is more
than just cleaning."*

CURTIS RHODES

Superintendent
Needville ISD

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Education

Southwestern University

Promoting Sustainability at Southwestern

In the past 10 years, Southwestern has made major strides in becoming an environmentally-friendly campus. It has built two certified "green" buildings and signed a contract to get all its electricity from wind power for 18 years.

The latest sustainability project on campus is a series of water bottle filling stations (ArrowClean) that have eliminated the need for plastic water bottles.

Their goal is to come up with a comprehensive "sustainability strategic plan" for Southwestern. "We want to make Southwestern the greenest school in Texas," says Josh Long, who is Southwestern's first environmental studies professor.

Faith Lutheran School

ArrowClean: A Key Tool in Protecting Students & Faculty

Like everyone else during the pandemic, Faith Lutheran Academy was forced to shut down. Diana Bartholomew runs the school and said the decision was hard. For students, distant learning was even harder, with many of the kids feeling isolated, depressed, many of them falling behind. We saw the social and emotional implications of not being at school, says Diana.

So as a private school, they decided to come back on the first day of a new school year with a host of changes. More sanitizer, training for teachers, PPE, teachers switching classes instead of students, and reconfiguring some parts of campus.

Another big help, a new machine, called ArrowClean, revolutionizing their sanitation in classes. The device produces 300 gallons of TK60 disinfectant and 150 gallons of FC+ all-purpose cleaner everyday on-site, no rush to buy sanitizer at the stores. And since the device works and dries quickly, we haven't seen any delay in daily classes.

Needville ISD

Armsing Teachers and Students With ArrowClean's Technology

"Disinfection is more than just cleaning," said Curtis Rhodes, Superintendent of Needville ISD. "In addition to the work of our custodial staff, I wanted to empower our teachers and students with a safe disinfectant to instill a sense of confidence and security."

ArrowClean's device is attached directly to the water supply in the district's central warehouse to produce hundreds of gallons of TK60 each day. The product is delivered to the campuses daily through the same distribution program that provides food items to various campuses. In addition to the classroom, TK60 is utilized throughout the athletic facilities, kitchens, and busses for use without restriction or fear of shortages.

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*"ArrowClean has eliminated
all bacterial infections
in the facility."*

JONATHAN HERNANDEZ

Assistant Director of Facility Operations
Texas State University

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Texas State University

Zero bacterial infections since implementing ArrowClean at TSU

The top priority of Texas State University is to ensure the health and safety of their students, staff, and visitors. The university's main campus - located in San Marcos, TX - is an integral part of the growing community. The university is neighbored by Aquarena Springs, where 1,000 springs form the headwaters of the San Marcos River. The area whose growing population of 58,000 enjoys a pristine natural setting in the Texas Hill Country, has given the university a great sense of environmental stewardship.

Situation

After spending years using outsourced janitorial services, the administrators at Texas State decided to bring the task of upholding their cleanliness standards in-house. In 2015, the primary focus of the custodial team shifted to implementing green cleaning systems that reflect their commitment to health, safety, and protecting the environment.

Unique Challenges

As the facility transitioned from janitorial contractors using a multitude of chemical cleaners, to an in-house team using ArrowClean (formerly R-Water) technology, a unique opportunity was created to gain invaluable insight, and develop more comprehensive strategies for facilities of all types.

Key Results

- Zero bacterial infections since implementing ArrowClean over two years ago
- All disinfectants were replaced by TK60, reducing contact times by over 90% and storage of chemicals
- Non-corrosive ArrowClean solutions have reduced the frequency of upholstery repairs due to it not changing the color of our vinyl padding on all machines
- Facility no longer requires the services of contractors to clean exterior windows
- Able to keep up with cleaning without violating water conservation efforts

University Recreation Facilities Using ArrowClean

- Student Recreation Center 186,000 sq. ft. with over 90 pieces of cardio equipment and over 100 machines for strength training
- University Camp 126 acres with two lodges and eight campsites
- Outdoor Center in Sewell Park
- All sport field support buildings


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