A Major League Baseball Stadium Asked If We Could Improve The Level Of Cleanliness & Reduce Odors In Their Public Restrooms

CLEAN-SANITIZE-PROTECT PROTOCOL

The customer defined a successful improvement as:

1. A more microbial-resistant surface, based on ATP* measurements
2. Longer protection time, based on ATP measurements
3. Subjective reduction in urine smell
4. Subjectively and objectively easier to clean

*(*ATP refers to a adenosine triphosphate test to measure microorganisms on a surface.)*

Cleaning, Sanitizing & Protecting Protocol: a 4EverGuard team trained the ABM cleaning staff on how to use our CSP process (**c**lean-**s**anitize-**p**rotect), utilizing our products *Cyclone*, *Safe-T-Gard*, and *Titania* (see our website for in-depth description of our CSP protocol).

Highlights of the CSP Protocol

1. Clean all surfaces with *Cyclone*.
2. *Cyclone* is a biodegradable general cleaner/degreaser that reduces accumulated urine salts to a biodegradable after-product.
3. Detach all urine screens to remove sunken urine salts prior to protection.
4. Optional: test ATP to confirm medical-grade disinfection status.
5. Perform a final cleaning of the same surfaces utilizing non-caustic dual-quat cleaner & disinfectant *Safe-T-Gard*, to remove residue & destroy pathogens after deep clean of *Cyclone* cleaning stage, ensuring that the surface is properly prepped and acceptable for the application of long-lasting & long-active *Titania*.
6. Check with ATP measurement to assure desired level of sanitization.
7. Treat entire bathroom as directed with *Titania*.

Case Study Results

Two (2) restrooms were chosen: a test bathroom and control bathroom, for fair comparison. During the last homestand, a 4EverGuard crew and the Brewers' facility managers would determine the efficacy in the treated test- vs. the control-bathroom using their current cleaning process.

What was achieved?

- ➔ Bacterial activity in the *Titania*-treated restroom consistently measured either at or within a satisfactory margin of medical-grade cleanliness. For a pro stadium bathroom. *They were highly pleased.*

The control restroom (non-*Titania* treatment) showed 200-300% higher microbial activity, based on ATP measurements.

This test was completed October 2022. Variance between test and control restroom ATP measurements has been consistent over the four (4) months, post treatment. We fully anticipate consistent sanitized status over the next 3 years.

The stadium's Director of Facilities walked his VP of Operations and other members of the professional baseball team's staff through both test and control restrooms in the 7th inning of their game vs the Chicago Cubs. Every executive noticed a substantial reduction of urine odor in the test restroom, which was treated with *Titania*.

No data on time-to-clean was recorded, but ABM team members shared that they believed the bathroom was easier to clean.

Results

Based on the observations we just provided plus the ROI determined by the stadium owners themselves, executive staff decided to treat all 60 of their public/private restrooms with *Titania*, as well as *Cyclone* & Safe-T-Gard.

Current ROI Calculation

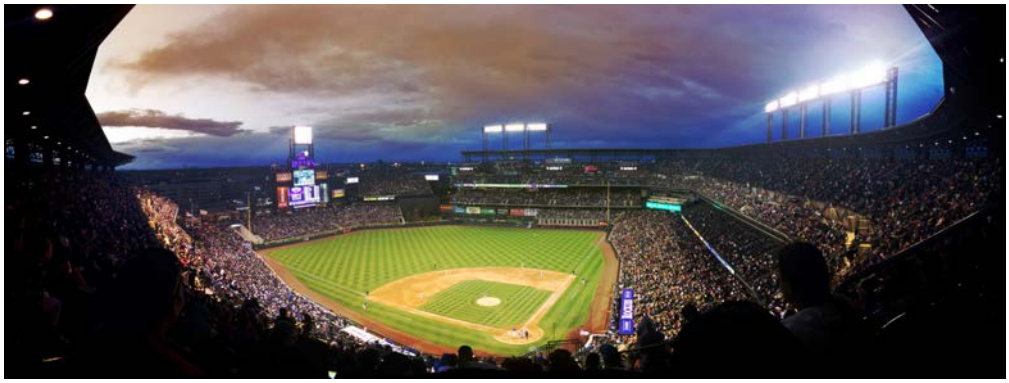
Due to the significance in odor reduction, the ABM cleaning team determined that the scented urinal screens installed to mitigate urine smell would no longer be needed.

This is a savings of $6000/year, $18,000 over the next 3 years.

One executive said of the scented pads, “All they do is make the restrooms smell like blueberry pee.”

We are currently working on a reduction of SKU’s needed to clean a treated restroom. As we gather more data, we foresee further substantial customer savings in labor & cleaning chemical inventory.

Labor savings: As more data accumulates, managers will see custodial workers reduce the time and effort needed to clean each restroom, or given the current challenges in staffing, attain a better result with the same number of workers because they have *more* time to spend cleaning more surface & areas, and attend to emergency spills & events as they arise.



Next Steps

We are now looking at the stadium from two different viewpoints.

How can customers provide safer, cleaner facility for the guests, fans and players?

Potentially treating all luxury suites

Protecting the players at a higher level, ensuring the talent on the field is able to play rather than sitting out on Covid-19 or flu exposure protocols

The pro team’s MLB award-winning medical staff will review the protocol and products that we use. Upon their anticipated approval, we will treat both team clubhouses to provide players the safest environment possible.

We want your business. Let’s chat about your facility’s cleaning, odor & disinfecting challenges.

Call: Bradley Lehmann Sr. at (513) 673-2100 or visit 4everguardsolutions.com