



CASE STUDY

Performance Drone Works Operates the Cleanest Manufacturing Facility in the World with Visium

Visium Far-UVC fixtures continuously reduce airborne and surface pathogens in shared spaces.

OVERVIEW

Performance Drone Works (PDW) is a defense technology company dedicated to strengthening America's edge in unmanned aircraft systems. PDW develops secure, reliable solutions for military forces and public safety operations, giving frontline teams an exponential edge in speed, precision and resilience.

The company recently opened its new headquarters in Huntsville ("Rocket City"), Alabama. To maintain environmental integrity and reinforce operational resiliency, PDW partnered with Visium to integrate Far-UVC sanitization across shared and high-traffic spaces. With Visium, PDW operates the cleanest drone manufacturing environment in the world.





THE CHALLENGE

Shared spaces such as breakrooms, bathrooms, and conference rooms carry a constant risk of respiratory illness transmission. Bioaerosols linger in the air and microbes persist on high-touch surfaces between cleaning cycles. For a workforce that must operate in person and often in close proximity, even a single outbreak can disrupt production schedules, reduce workforce availability, and threaten mission-critical output. PDW needed a solution that provided continuous reduction of bioburden in the spaces where its people gather, supporting resiliency and uninterrupted operations.

OUR SOLUTION

Visium Far-UVC Fixtures

PDW installed 38 Visium devices across its reception area, bathrooms, conference rooms, breakrooms and a community center, covering 6,826 sq ft of high-traffic space. The fixtures recess into the ceiling for seamless integration and continuously inactivate airborne and surface microbes while spaces are occupied.

KEY FEATURES



Continuous air and surface sanitization in occupied spaces



Passive, silent and highly effective with zero disruption to the workplace



IoT-enabled for remote controls and monitoring via an online dashboard



Independent Results

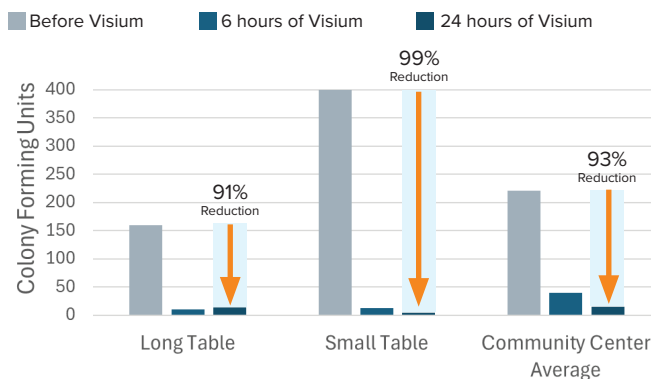
Testing by US Micro Solutions validated the impact of continuous Far-UVC sanitization:

- ✓ Up to 99% reduction in colony-forming units (CFUs)
- ✓ An average of 82% reduction of CFUs in the Community Center within 6 hours
- ✓ A 69% reduction of CFUs in the Breakroom within 6 hours
- ✓ A new, lower baseline of bioburden established after 24 hours



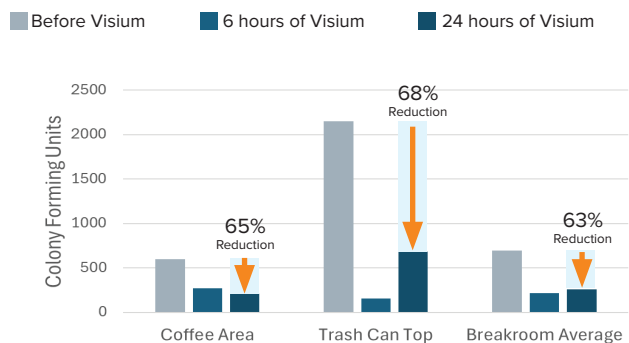
Community Center

Change in Surface Bacteria Counts With Visium Use



Breakroom

Change in Surface Bacteria Counts With Visium Use



Outcomes

Visium transforms PDW's facility into a workplace combining advanced manufacturing with environmental safety.

- ✓ Independent analysis confirms consistent bacterial reduction
- ✓ Visium reduces CFUs by up to 99%, even in high-use areas
- ✓ Continuous operation maintains a lower baseline of surface contamination
- ✓ Cleaner shared spaces support workforce resiliency

"The Visium Far-UVC fixtures were simple to integrate into Drone Factory 01 with minimal lift from our team. They now work quietly in the background, giving our people confidence that the spaces they use every day are safer. They help us keep employees healthy, protect engineering and production schedules, and maintain the pace our mission demands."

Preston Taylor
Senior Director, Business Operations

Conclusion

PDW demonstrates that advancing national defense includes maintaining the integrity of indoor environments where its workforce operates. By adopting Visium Far-UVC, the company ensures its new headquarters is the cleanest drone manufacturing facility in the world. This sets a benchmark where innovation in defense manufacturing and environmental safety advance together.