

**Full Portfolio of Infection Prevention Products Now Communicates
with Any Building Automation System Allowing Enterprise-Wide Management
of Air, Device, and Surface Disinfection Equipment**

South Hill, VA - Advanced Ultraviolet Systems has announced the release of **BARDS**, the **Building-Automation-Ready Disinfection System**. BARDS uses multiple Building Automation System (BAS) communication capabilities to provide central monitoring of AUVS' pathogen-laboratory-proven air, device, and high-touch surface disinfection products. According to company principals, Jim Psihas and David Henderson, BARDS is a significant advancement, allowing employers, building owners and management companies to move toward truly safe work and education environments.

“The threat to one’s personal health and the impact of lost productivity on a company’s bottom line, due to wide-spread cross-contamination, puts the importance of building wellness on par with security and fire protection,” according to Psihas. “In addition to protecting individuals, BARDS has the potential to save companies hundreds of thousands of dollars annually by reducing inefficiencies in company-wide system management and employee absenteeism. It also helps with the recruitment of top talent who actively look for safe work environments.

According to Fortune Business Insights, the global smart building market is projected to grow to \$328.62-billion by 2029¹. AUVS' BARDS is expected to be an indispensable component of this market.

Until now employers and building management companies have faced two significant obstacles in providing safe environments, protecting workers, visitors, and students. The first obstacle is that few disinfection technology companies offer products to address the three critical categories of contamination: air, surfaces and shared devices. This means even those employers and building management companies with the vision to address multiple categories of contamination are left to cobble together disparate solutions from different vendors whose products offered varying and often questionable degrees of effectiveness.

The second obstacle is that without a Building Automation System option, which most mechanical disinfection devices lack, there is no way to centrally monitor, maintain and improve these systems. “Automated disinfection equipment combined with a building command center and the right sensors will provide a truly intelligent and proactive approach to the health and safety of occupants,” states Henderson.

With BARDS, AUVS' has combined its UV-C disinfection products with multiple building automation interfaces to allow for Building Automation Readiness out of the box. This provides integrated air, shared-device and surface disinfection that can be centrally monitored, maintained and improved through any Building Automation System, according to Henderson. The system is designed to benefit large employers, with specific applications in Healthcare, Education, Food Processing, Hospitality, Grow Houses, Manufacturing Plants and Warehouse Distribution Facilities.

Integrating with Any Building Automation System

Building Automation Systems integrate HVAC, lighting, security, fire, internet, and similar systems to provide central monitoring, manage operations and improve maintenance. By integrating open BAS communications capabilities into its products, AUVS has allowed central control to be, for the first time, extended to enterprise-wide disinfection.

Now, with BARDS, users can:

- Communicate with any building automation system through Wi-Fi, 1-to-12v or ethernet
- Determine Status, ensuring all systems are running, and initiating maintenance, if needed
- Locate Mobile system components
- Identify system failures and inefficiencies
- Achieve significant cost-savings by ensuring proactive and preventative system maintenance
- Collect data on hours of use, uptime and other metrics to help adjust each facility’s solutions
- Provide peace of mind to stakeholders including managers, employers, employees and parents

About Advanced Ultraviolet Systems

Advanced Ultraviolet Systems (AUVS), an American design and engineering company headquartered in Virginia with manufacturing facilities in Atlanta, was established to leverage the significant benefits of UV-C in infection prevention. Beginning in the Department of Defense and Healthcare, and working with its own patented technologies, the company's mission is to provide solutions to successfully combat infectious disease and create safer environments across all industries. The company's current line includes proven Air, Hand-Held Device and Surface disinfection products used in more than 700 Hospitals as well as other industries. AUVS' team is comprised of PhD physicists, an MD in critical care medicine, mechanical, electrical and software engineers, and experts in advanced lighting solutions.

¹ Fortune Business Insights Industry Reports: Smart Building Market, March 2022

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AUVS Leads in Addressing the Three Critical Categories of Cross-Contamination

AUVS solutions use patented applications of UV-C light, which is recognized by the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE) and the Centers for Disease Control (CDC) as effective in killing pathogens. All AUVS products, which include a variety of Mercury-Free LED solutions, are distinguished by their efficacy, ease of use and durability. More than 97% of AUVS units, that were put in service in 2016, are still operating daily with zero service calls.

Third-party pathogen laboratory test results, and certifications are available for all AUVS products.

INDOOR AIR QUALITY

Each AUVS air product, including upper air and HVAC in-duct solutions, is designed to disinfect high volume, rapidly moving air.

The BioProtector Series, including BRAD SA and BRAD Basic, is the landmark commercial version of the Department of Defense system that AUVS' Chief Technology Officer, Dr. Wayne Clark originally developed to protect the US Pentagon from bioterrorism. BRAD, an acronym for Big Room Air Disinfection is an unmatched solution for Gymnasiums, Factories, Cafeterias Auditoriums and larger Operating Rooms.

AUVS recently rounded out its air solutions with the addition of the HVAC-integrated X4 and in-room BP2424 systems.

HANDHELD AND LARGE DEVICE DISINFECTION

The UV Box and The UV Cube, are relied on throughout more than 700 US hospitals. The UV Box, is designed to disinfect handheld and shared devices including phones, tablets, small keyboards, and PPE. It is the only Germicidal Enclosure named to the Best Infection Prevention Products list for 2020 and 2021 by Newsweek and The Leap Frog Group. The UV Cube is designed for high-volume environments and larger items including safety equipment, laptops, backpacks, and purses.

HIGH-TOUCH SURFACE DISINFECTION

AUVS' Rollie Mini-Bot and Ray EMS use Mercury-Free UV-C emitting LEDs to provide whole-room and high-touch surface disinfection. Rollie is in particular demand for restrooms, where high levels of cross-contamination can occur. Ray EMS reaches just beyond the building, targeting the interiors of transport vehicles including mini-vans, buses and ambulances.

AUVS is currently working with leading building automation and control firms to implement BARDS at facilities nation-wide. For further information including a facility-wide needs assessment call 803-504-0325 or visit www.advanceduvsystems.com.