



Company Description:

Cyberclean Systems is a national Autonomous Mobile Robot (AMR) integration company that automates traditional facility service tasks including janitorial, security, and delivery. The Richmond VA based company has 25 years of experience in facility services and 38 years of experience with mobile robots. The wide range of experience and know-how enables Cyberclean to deliver significant and compelling productivity gains through labor repurpose or reduction, enhancements to service quality and consistency and the highest standard of cleanliness and safety in work environments.

In 2020, Cyberclean completed more than 1,000 mobile robot installations for major corporations including Wal-Mart, Menards, Sam's Clubs and Kroger among others. The expert Cyberclean team is comprised of industry pioneers and veterans who were among the first to introduce robots in the late 1980's. Cyberclean is the only company in the U.S. whose knowledge and expertise crosses 8 technologies and growing, and has the inherent capabilities to fully support AMRs for industry leaders such as Brain Corporation, Nilfisk, Softbank Robotics, Discovery, SmartguardUV, ICE, Minuteman, Cyberworks, Intellibot Robotics among others.

Cyberclean's value based advisory, installation and support services are tailored to each customer's needs through a detailed optimization plan and execution. This proprietary system identifies client goals and objectives for labor, quality, and safety and then guarantees that the performance of each robot installation meets or exceeds customer expectations. Cyberclean's clients may choose to reduce labor costs, enhance service quality or improve the protection and safety of building occupants by using AMRs and related automation. Cyberclean works with its clients to identify their unique objectives and then matches applicable robots and automation with facility needs to ensure satisfaction.

For an introduction to the company or to schedule a consultation please visit:

<https://cybercleansystems.com/thalhimer.html>

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**Cushman & Wakefield | Thalhimer / Cyberclean Systems Pilot Project:
April 21 - May 21**

A. Pilot Project Goals:

1. To evaluate the use of SmartGuard UV robot for fully autonomous on-site disinfection processes.

The fully autonomous robot will be tested and monitored for 30 days at the main Cushman & Wakefield | Thalhimer facility to evaluate reliable and safe robotic operation and to document results. This robot needs no human intervention and performs its tasks on a predetermined schedule and routes. The robot is the only UV robot on the market today that can be operated around people via its on-board pulsing Zenon UV lights. The unit has been set up to disinfect work stations, break rooms and high touch areas like doors and handles. See the Cyberclean Optimization binder for a map of these disinfection areas. The pilot is on floor 1 only.

2. To evaluate SoftBank Robotics Whiz for vacuuming of common areas and hallways to improve cleaning quality, occupant safety and identify potential labor savings.

The semi-autonomous Whiz commercial robot vacuum will be run by the existing cleaning staff and the Cyberclean team to evaluate run-time, operational impact and quality improvements. This robot is moved into position by an operator and performs its job unattended, then returns home and notifies the user it is complete.

There is a Whiz robot vacuum on each floor. The robot will be monitored for safety, runtime and square footage production.

3. SmartGuard UV fan:

The Smartguard UV fan is offered and deployed in smaller confined areas like conference rooms and areas the SmartGuard robot cannot enter or navigate. This solution was installed in the two first floor conference rooms in the main facility.