

MOUNT VERNON ISD PRIORITIZES EDUCATION BY IMPLEMENTING AUTONOMOUS DISINFECTION SOLUTION

Introduction

Mount Vernon Independent School District (Franklin County, TX) has had an emphasis on education since 1849, when Joshua Foster Johnson introduced a bill in the Texas Legislature incorporating male and female academies in Mount Vernon. Education is the center point of concern and a point of pride for the entire county.¹

In-person learning provides numerous benefits to students including fewer distractions, increased concentration, more direct, personalized learning experiences, valuable social and emotional learning practices, and access to healthy meals and physical exercise.² More opportunities are available to students when they are physically present in school.

Challenges

Mount Vernon School District was looking for an innovative and efficient way to prioritize student and staff safety. Backpack sprayers were previously being used to disinfect the school. This method is strenuous on the essential custodial staff because it requires additional personal protective equipment, disinfectant

filled backpacks are heavy, it's difficult to get consistent coverage, and it can take hours to disinfect an entire school.

Having an autonomous solution would allow for schools to be disinfected while the school is closed or run while staff complete other tasks in parallel.



Solution

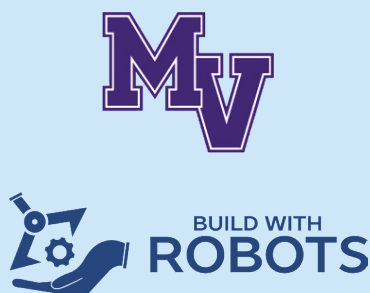
Mount Vernon now deploys the Breezy One™ robot, an innovative technology by Build With Robots Inc. (BWR), to autonomously disinfect its elementary, middle, and high school. The disinfectant utilized is [EPA List N](#) certified and [Green Clean Institute](#) certified. Breezy One produces a consistent application and utilizes a quarter of the disinfectant used by backpack sprayers, which aids in reducing reoccurring costs. Partnered with KLC Video Security, BWR deployed these robots at Mount Vernon with ease.

Breezy One showed greater than 99% efficacy during field testing in the cafeteria, gym, library, classrooms, and common areas. Efficacy testing is essential for optimal technology deployments and provides facility managers assurance that their space is pathogen free. After schools are closed, Breezy One autonomously fogs the custom route for that building. The return air vents are also fogged to eliminate pathogens that are circulated by the HVAC system.

Mount Vernon continues the fight to prioritize education by investing in modern solutions. Breezy One helps protect custodial staff against viral pathogens and harsh chemicals. They are also thankful they do not have to use backpack disinfectant sprayers anymore!

1 https://mountvernon.ss10.sharpschool.com/community/m_v_i_s_d_history

2 <https://ideapublicschools.org/blog/3-big-reasons-why-in-person-learning-is-best-for-scholars/>



"Breezy One is consistently and effectively disinfecting our district. We wanted to do something to provide students and staff the best chance of staying healthy."

- Jason McCullough, Superintendent at Mt. Vernon ISD