



* Official Information *

Adams-14 School District Implements BioDefense System in Classrooms to Improve Indoor Air Quality

The microbial reduction technology, which continuously reduces microbes in air and on surfaces, is operational as the district returns to school

DENVER, CO January 25, 2021 – Through a project with Trane® – by Trane Technologies (NYSE: TT), a global climate innovator – and with a grant from the Colorado Department of Education (CDE), Adams 14 purchased and installed 427 Synexis Spheres units in classrooms and common areas in buildings throughout the district. The Adams 14 school district received this funding for additional technology through its Safe Schools Reopening Grant. Installation was completed in advance of staff and students returning to school. Adams 14 is one of the first school districts in the state of Colorado to deploy the Synexis system.

“Adams 14 is incredibly thankful for this grant from the State of Colorado and the Colorado Department of Education,” stated Don Rangel, Adams 14 acting superintendent. “We are proud to be one of the first districts in the state to offer this innovative technology in every classroom, which provides an additional layer of protection to our established COVID-19 precautions.”

Synexis is the sole developer of the process by which naturally occurring oxygen and humidity in the air is converted to Dry Hydrogen Peroxide (H₂O₂) or DHP™. This unique, patented technology reduces viruses, bacteria, mold, odors, and insects both in the air and on surfaces, without relying on the exchange of air, while still continuously flowing through any indoor space without students or staff leaving the room.¹ The oxygen and humidity flow across a fiber mesh called a sail. The sail creates a photo-catalytic reaction (a chemical reaction involving the absorption of light) that helps break the two molecules apart before putting them back together as DHP. Once DHP is actively introduced, it continually circulates through the occupied space. DHP is added to standard cleaning and helps reduce microbial contamination in air, on surfaces and in hard to reach areas of a room. Synexis technology is environmentally friendly and non-ozone producing.

“We are excited to partner with the Adams 14 school district and Trane to add Synexis technology to every classroom in the district,” said Eric Schlote, CEO, Synexis LLC. “Our goal is to assist districts, like Adams 14, in their efforts to innovatively and continuously clean air and surfaces without disrupting teachers or students in the learning environment.”

Trane’s holistic, fact-based approach to indoor air quality helps ensure the best possible outcome for the Adams 14 school district and its occupants. After factoring in the conditions of the Adams 14 buildings, HVAC systems, ambient outside air and other considerations, Trane recommended and installed Synexis solutions as a safe, effective and low-maintenance option to improve indoor air quality across the district without negatively affecting energy efficiency and operating costs.

“We commend the Adams 14 school district for going the extra mile to improve the quality of air in its schools – and for the smart, quick actions from school officials to leverage available funding solutions,” said Jim Knutson, director, integrated solutions, Trane Technologies. “Trane is proud to support the district’s comprehensive measures to mitigate risk of airborne exposures for a safer in person learning environment. Long-term investments in indoor air quality will benefit students, staff and building occupants for years, well beyond the immediate threat of this pandemic.”

Additional Information

The transmission of COVID-19 may occur in a variety of ways and circumstances, many of the aspects of which are currently not known. HVAC systems, products, services and other offerings have not been tested for their effectiveness in reducing the spread of COVID-19, including through the air in closed environments.

Synexis® is not intended to replace intermittent cleaning with EPA-approved disinfectants or as a substitute for the use of PPE as recommended in guidance set by local and state governments as part of their SARs-CoV-2 response.

About Adams 14

Nestled in the historic community of Commerce City, Adams County School District 14 (Adams 14) is proud to serve its 6,000 students from 13 schools across the district. The 900 employees at Adams 14 work each day to provide an inclusive learning environment for all students and are committed to inspiring, educating, and empowering Adams 14 students to succeed.

About Synexis

Founded in 2008, Synexis® LLC is a pioneer in the microbial reduction of occupied spaces. Using our patented technology, Synexis is the sole developer of the process by which naturally occurring oxygen and humidity in the air is converted to Dry Hydrogen Peroxide (H₂O₂) or DHP™. Wherever air goes in an indoor facility, so too will DHP to help reduce the presence of viruses, bacteria, mold, odors, and insects. The Synexis system is Underwriter Lab (UL) Certified to produce no ozone and works continuously without disruptions or changes in workflow. Synexis currently holds 14 US patents with 16 pending. For more information, visit Synexis.com.

About Trane

Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit www.trane.com or www.tranetechnologies.com. Visit www.trane.com/wellsphere to learn more about indoor environmental quality at Trane.

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Reference: 1. "Hydrogen Peroxide," *Occupational Safety and Health Administration*, 2018, www.osha.gov/chemicaldata/chemResult.html?recNo=630