Southern Coffey County Unified School District 245 to Deploy BioDefense System to Improve Indoor Air Quality

First K-12 district in Kansas to utilize Synexis® technology in all district buildings, honoring commitment to provide cleaner learning environment for students and staff

LENEXA, KS — [October 13, 2021]—Synexis® LLC today announced the installation of more than 35 Synexis devices across Southern Coffey County Unified School District (USD) 245 in LeRoy, Kan., which serves the communities of LeRoy and Gridley. The USD 245 school board unanimously approved the utilization of government funding to power the Synexis installation, becoming the first K-12 school district in Kansas to implement Dry Hydrogen Peroxide (DHP™) technology that continuously fights viruses, bacteria, and mold in the air and on surfaces throughout occupied spaces.

"At USD 245, we are committed to protecting our students and staff, so we are continuously seeking ways to improve the cleanliness and safety of our learning environments," said Matt Thomsen, USD 245 Superintendent and Southern Coffey County Elementary School Principal. "Since we installed the Synexis devices, many of our staff have commented that they can tell a difference in the air quality, especially in our older buildings. With Synexis DHP™ technology, we've added an extra layer of defense allowing students to focus on their education and teachers to continue instruction without distraction."

After much research, USD 245 selected Synexis to create a strategic plan to deploy DHP™ throughout buildings at the district's headquarters and three main campuses, including Southern Coffey County Middle School and Pre-School, Elementary School and High School. The district activated multiple types of units, including the Synexis Sphere, a sleek, wall- or desk-mounted device, and the Synexis Sentry, a rugged, industrial device, in each building to address the individual air quality goals of the district. With some buildings close to 100 years in age, DHP™ technology will improve air quality by not only reducing microbes, but fighting mold, odors and insects as well.

"USD 245 is the first school district to deploy Synexis in every district building as an extra precautionary measure, marking a historic moment for our company," said Eric Schlote, Synexis Chief Executive Officer. "The additional defense against pathogens that Synexis provides each classroom 24/7 will ensure a cleaner, safer environment for students and staff to continue face-to-face learning this school year and beyond."

More than 150 students from PreK to 12th grade returned to USD 245 campuses at the start of the 2021-2022 school year. Once installed, the technology takes naturally occurring oxygen and humidity in the air to safely create DHP™, which is continuously deployed throughout each occupied space without the production of ozone or the need for occupants to leave the room.[1,2]

"Schools across Kansas and the country are looking for options to assist them with cleaner school environments and technology that helps reduce pathogens like viruses, mold and bacteria, as well as odors within classrooms. USD 245 is at the forefront by installing Synexis to ensure a safer learning environment

for Kansas students," said G.A. Buie, executive director at United School Administrators of Kansas. "The coverage that Synexis' DHP™ provides brings peace of mind to students and staff who enter a classroom where the technology is working."

For more information, visit Synexis.com.

ABOUT SYNEXIS

Founded in 2008, Synexis® LLC is a leader in microbial reduction and the sole developer of patented technology that creates and continuously disperses DHP™ (Dry Hydrogen Peroxide) to help reduce the presence of microbes in indoor spaces around the clock, without the need for occupants to evacuate the space.

Synexis develops cutting-edge BioDefense systems designed to transform the air to make the air and surfaces cleaner. Synexis BioDefense systems are regulated by the US Environmental Protection Agency and state governments as antimicrobial devices. Accordingly, Synexis Systems are produced in an EPA-registered facility and packaged and labeled in accordance with EPA regulations appearing at 40 CFR 152.500. The Synexis system is Underwriter Laboratories (UL) Certified to produce no ozone and works continuously without disruptions in normal operations or workflow.[3] Synexis currently has 16 patents with 17 pending.[1] In addition, Synexis DHP™ technology is supported by data from six peer-reviewed studies.[4,5,6,7,8,9,10]

For more information, visit Synexis.com.

MEDIA CONTACT

For press inquiries, please contact Vanessa Mittendorf at vmittendorf@synexis.com or Katie Erwin at 816-512-2262 or katie.erwin@fleishman.com.

---

[1] Synexis https://synexis.com/patents/. Accessed April 23, 2021.
[2] Hydrogen Peroxide," Occupational Safety and Health Administration, 2018 www.osha.gov/chemicaldata/chemResult.html?recNo=630
[3] UL Certification numbers: Blade UL E482400, Sentry UL E495096 and Sphere UL 2998.
[4] Infection Specialists and Pharmacists Share Responsibility for Ensuring Patient Safety; *Pharmacy Times.* Published November 23, 2020
[5] Melgar, M., et al. Effectivness of dry hydrogen peroxide on reducing environmental microbial bioburden risk in a pediatric oncology intensive care unit. *AJIC* (2020). *https://doi.org/10.1016/j.ajic.2020.08.026*
[6] Melo, E.F. & McElreath, J.S. & Wilson, J.L. & Lara, Leonardo & Cox, N.A. & Jordan, Brian. (2020). Effects of a dry hydrogen peroxide disinfection system used in an egg cooler on hatchability and chick quality. *Poultry Science*. Vol. 99, Nov. 2020.*https://doi.org/10.1016/j.psj.2020.05.050*
[7] Sanguinet, J., & Edmiston, C. Evaluation of dry hydrogen peroxide in reducing microbial bioburden in a healthcare facility. *AJIC* (2021). *https://doi.org/10.1016/j.ajic.2021.03.004*
[8] Huang, Y., Bilyeu, A., Hsu, W., Hettenbach, S., Willix, J., Stewart, S., Higgs , S., Vanlandingham, D., Treatment with Dry Hydrogen Peroxide Accelerates the Decay of Severe Acute Syndrome Coronavirus-2 on Non-porous Hard Surfaces, AJIC (2021). *https://doi.org/10.1016/j.ajic.2021.07.006*
[9] Sanguinet, J., & Lee, C. An effective and automated approach for reducing infection risk from contaminated privacy curtains. AJIC (2021). *https://doi.org/10.1016/j.ajic.2021.06.004*
[10] Herman CK, Hess J, Cerra C. Dilute Hydrogen Peroxide Technology for Reduction of Microbial Colonization in the Hospital Setting. AJIC (2015). *https://doi.org/10.1016/j.ajic.2015.04.064*