



*When you need boots on the ground,
these are the ones you want! - Dorothy
Technology*

Allentown School District Lü System

by Colton W. Wolf



*Lindi Jenkins and Cordaro Outlaw play with Lü's interactive system
at the annual VSTE conference*

Innovative Education in Action: Reinvigorating Physical Education

Located in the Lehigh Valley of Eastern Pennsylvania is the Allentown School District – a large, urban, public school district serving over 16,000 students. Allentown needed a modern technology solution to boost engagement and attendance in physical education programs. The district sought a solution to revolutionize activities, engaging even students who dislike traditional physical education. The school district had previously seen a demonstration of the Lü system, a state-of-the-art immersive education tool, and found it to be the tool they needed to meet their goals.

The Lü Interactive Playground is an end-to-end technology solution which includes a 3D motion-tracking camera, customizable lighting, interactive audiovisual, and a built-in computer module that delivers a modern learning experience unlike any other. By turning a 19-foot by 12-foot wall space into an interactive projection surface, Lü marries traditional academics with physical activity to create an immersive, arcade-like experience for students. With the Lü system identified as their product of choice, the district began to engage with vendors to procure the system after receiving necessary funding from a COVID-19 Relief Grant.

Allentown found its optimal project partner in Clinton Learning Solutions, a premier reseller of advanced education technology with a longstanding footprint along the East Coast. Clinton Learning Solutions relied on their extensive education technology experience to conduct a detailed site survey, which provided Allentown with the roadmap to bring their newly purchased Lü systems to life. With a concrete plan to install a total of seven Lü systems in elementary schools across the district, Clinton Learning Solutions and Allentown called on Dorothy Technology to execute the installation.

Beyond the Blueprint: Leveraging Installation Expertise

Dorothy Technology, a trusted partner known for its stellar installation and service expertise, was quick to answer the call to support Allentown's needs. While no installation is without its challenges, Allentown's various school buildings presented a host of challenges to navigate in order to successfully implement the Lü systems. With several of the locations being of older construction, realities such as drop-ceiling layouts, various wiring and support grids, and other physical challenges did not align perfectly with the manufacturer provided parameters for a traditional Lü system installation. Dorothy Technology had to get creative to bring Allentown's vision to life.

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Lü Uno Ceiling Module

For Allentown's Director of Arts and Wellness, Ryan D. Yurchick, the installation process was a dream come true. In Ryan's own words, "Dorothy Technology was very prepared. They had an entire communications and planning cadence in place to handle all aspects of the project." Through their close coordination with the district and dedicated physical performance on site, Dorothy Technology successfully installed all seven Lü systems in just five days.

According to Ryan, the Dorothy Technology team was ready and willing to do whatever it took, not being afraid to "get their hands dirty" to ensure a proper install. He recalled one location with many acoustic panels mounted to the wall that would become the Lü projection space, which needed to be removed. Dorothy Technology's team jumped right in and helped remove those panels, which from Ryan's perspective was a much-appreciated deviation from his experience with other contractors. Ryan stated that most teams would have approached the situation with a "that's not my job" sentiment, whereas Dorothy Technology was quick to lend a hand. As a result, the Allentown School District enjoyed a seamless and professional installation experience, describing Dorothy Technology as "phenomenal" and "easy to work with."

Active Minds, Active Bodies: Lü's Impact

For Allentown School District, the Lü system helped them to meet their goals of increasing engagement and attendance in their physical education classes. The most popular aspect amongst the students are the "small-group line" activities, where students form several lines, run up and interact with the screen, and perform the physical activity displayed by the system. These activities create a sense of healthy competition, all while integrating physical activity and basic mathematic skills to create a multifaceted learning experience.

Ryan D. Yurchick, Director of Arts and Wellness for Allentown School District, stated that "The kids get excited about coming to school and interacting with the Lü system. Teachers outside of physical education are also leveraging this tool, using it as an incentive when certain classroom standards are met. One of the high schools is even interested in getting one for their gym." Not only did the Lü bring increased engagement and versatility to Allentown's physical education classes, but it also proved to be an effective tool for teachers outside the gym.

Working Together

Dorothy Technology is a women owned and led integrator that focuses on commercial AV integration and structural cabling. Our services encompass the design and full-service electrical integration, security cameras, networking, audiovisual design and more, ensuring seamless and efficient operation in various settings. **Let's partner today to help your clients!**

