



CASE STUDY

# The Greater Dayton School

## Cutting-edge technology solutions fuel success of thriving private school

How Motorola Solutions technology is setting the standard in safety and satisfaction for students in need

As Ohio's first private non-religious school exclusively designed for under-resourced children, the Greater Dayton School (GDS) offers a world-class education experience to those who would not otherwise be able to afford it. GDS currently educates students in Pre-K through fifth grade, with plans to extend this to eighth grade in the coming years.

Rather than only focusing on academic achievement, the school's core aim is to produce physically and mentally healthy students who have the tools to find their own definition of success, achieve financial independence and establish themselves in a career that is fulfilling to them. To do this, GDS provides wraparound services for its students including extended-day and extended-year programming, a low student-to-teacher ratio, an on-site wellness center and family services. GDS currently has about 150 students and 40 staff members.

**Customer**  
The Greater Dayton School

**Location**  
Dayton, Ohio, USA

**Industry**  
Education

- Solutions**
- Avigilon Unity Video
  - Avigilon Unity Access
  - HALO Smart Sensor
  - IP video - SentryERS
  - TLK 100 radios
  - MOTOTRBO ION radios

- Outcomes**
- Improved visual coverage of the entire campus
  - AI-powered image searches within the security camera system
  - Improved range and audio quality across the radio network
  - Streamlined access control system
  - Ability to easily share information and footage with local police
  - Comprehensive ecosystem of security technologies

# Challenges

GDS is emerging as a frontrunner in the pursuit to be the state of Ohio's safest school. But with a campus that spans 100,000 square feet populated by numerous buildings, ensuring the safety of students, staff and visitors requires robust and innovative technology. GDS's previous video security camera system GDS limitations: it did not store much data, meaning footage couldn't be saved very long, and the footage was poor quality. These limitations hampered the staff's ability to monitor and review security footage, which meant the campus was not as secure as it could have been.

GDS previously deployed a suite of two-way radios that were not providing clear audio quality, so communication across wider areas was difficult. The communication shortfall was especially prevalent when staff attempted to connect with the buses transporting students.

In order to keep its students safe and allow staff to prioritize and nurture their students' development, GDS needed to revamp and streamline its security and communications technology.



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If these technologies weren't integrated, we wouldn't be able to use all of them effectively because it would just be too difficult for any one or two people to take advantage of all of these programs at the same time. The ecosystem allows us to fully utilize the system in a way that we probably wouldn't be able to if they weren't interconnected.”

– Sarah Sealock, Director of Operations, The Greater Dayton School



# Solutions

Before deciding which technology solutions to implement, GDS spoke to several leading security consultants for expert insight. These experts advised that Motorola Solutions products – from video security camera systems to two-way radios and smart sensors – were the best options for the school's needs, especially with GDS's goal to become the safest school in Ohio.

## Cameras enhance security and more

One of the biggest security impacts of this new technology at GDS has been the improvement of camera footage quality, comprehensiveness and usage. The school's former cameras only recorded when motion was detected, which was insufficient for its coverage needs. The Avigilon cameras now installed are constantly recording, so no detail is left unnoticed. But what really enhances GDS's security operations are the **AI-powered** features of its new cameras. When an incident occurs on campus, security staff can quickly and easily search in the **Avigilon Unity Video** system to find footage of those involved. They can then use selected images to search the entire video stream for any other footage of those individuals, making campus incident investigations four times quicker.

With its **Focus of Attention** interface, the Avigilon camera system provides live video monitoring that leverages AI and video analytics technologies to determine important information for the GDS security team. Security is instantly notified when the cameras pick up a person, vehicle or item that has been flagged in the system.

While safety is the highest priority, the benefits of GDS's camera fleet go beyond security technology. There was a scenario in which a GDS student with a speech impairment misplaced her costly, essential piece of medical equipment. After security couldn't locate the device by manually searching for it, they turned to their technology. They downloaded an image of the equipment from the internet and made a search for that image in the Avigilon Unity video database. Within seconds, they found footage revealing the device's location and were able to retrieve it for the student.





## Radio communications go the distance

By introducing a new fleet of TLK 100 **two-way radios**, GDS staff now maintain clearer, more reliable communication, especially with their transport teams who are on the road transporting students in buses. The TLK 100 radios not only provide superior audio quality, but they also connect over a much wider range than the radios GDS was previously using, meaning there are no drops in coverage.

What makes these various technologies especially useful for GDS is their interoperability. As they all exist within the Motorola Solutions safety and security ecosystem, they can be managed and monitored from one interface and work together seamlessly to ensure students and staff are kept safe.

## Solving for safer schools

Motorola Solutions' safety and security technology ecosystem allows GDS to continue to work toward its goal of becoming the safest school in Ohio by equipping staff with the tools they need to stay connected, informed and prepared.

When it comes to protecting students, staff and property, situational awareness of a campus is essential for schools like GDS. That's where intuitive, connected technology makes all the difference.

To learn more, visit: [www.motorolasolutions.com/education](http://www.motorolasolutions.com/education)



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