



Arcules – Education Use Case

Video security helps schools keep students and teachers safe

A leading K-12 school district in the southeastern United States, recognized for its excellence in education, innovation, and community engagement, faced the growing challenge of keeping students and faculty safe while managing a complex video infrastructure. To maintain its high standards for safety and modernization, they turned to Arcules, a cloud-based Video Surveillance as a Service (VSaaS) platform that is part of the Milestone Systems technology portfolio. The result is a flexible, scalable foundation that enhances visibility, strengthens cybersecurity, and simplifies daily operations. With hundreds of cameras deployed across multiple campuses, the district now manages its video infrastructure more efficiently than ever before.

Challenge: growing district, growing demands

The district's on-premises video systems were aging, difficult to maintain, and expensive to upgrade. The addition of planned new schools and expanding facilities created greater coverage requirements that their existing technology could not meet. Administrators needed a secure, cost-efficient solution that could scale quickly, reduce maintenance time, and improve access for security staff across multiple campuses. They wanted a platform that could evolve with their needs, provide reliable visibility during emergencies, and ensure consistent performance with limited local IT resources. The system also had to align with cybersecurity and data privacy requirements while supporting the schools' long-term digital transformation strategy. By modernizing through the cloud, administrators saw an opportunity to standardize technology across campuses and free IT staff from constant system upkeep.

Solution: modernizing security through the cloud

After evaluating several on-premises and hybrid options, the district selected the Arcules cloud-based VSaaS platform to replace its legacy systems. Built on Google Cloud, Arcules provides centralized monitoring, automatic updates, and strong cybersecurity protections. The subscription-based model turned large capital investments into predictable operating costs, allowing the district to expand video coverage as new schools were added, without the expense of physical servers or extensive reconfiguration. The transition also simplified security management, turning what was once a patchwork of local systems into one cohesive, always-up-to-date network, accessible from anywhere.

Result: safer campuses, simplified management

The new Arcules VSaaS system gives security teams the ability to monitor all campuses from a single, intuitive interface. Real-time video access improves situational awareness and speeds up investigations. Automated updates reduce IT workload, while the cloud-based structure ensures consistent performance and uptime. With improved accessibility and lower maintenance demands, the district has gained a more reliable and cost-effective solution that supports its goal of creating safer learning environments. This success demonstrates how modern, cloud-connected infrastructure can strengthen campus safety while reducing the IT burden — a vital combination for growing school districts.

Empowering education through connected security

Milestone Systems and Arcules provide a modern, cloud-connected platform that empowers schools to protect people and property while simplifying management. Administrators and security staff can access live or recorded video from any workstation or mobile device, enabling faster decisions during emergencies and better visibility in routine operations. Advanced features such as multi-camera forensic search and AI-based analytics help identify key events, while role-based permissions safeguard sensitive data.



Beyond improving daily safety operations, the district's new platform has also become a strategic asset for innovation. Following Milestone's open platform philosophy, the district can integrate with additional technologies such as access control, smart sensors, or specialized analytics tools. This flexibility ensures they can adapt to new challenges without being tied to a single hardware vendor. Arcules' compatibility with ONVIF-compliant cameras also protects the district's existing investments, allowing them to retain equipment while leveraging the latest cloud capabilities.

Such open integrations are helping schools across the country move toward unified, data-driven safety ecosystems. They ensure that each school's security investment remains future-proof and adaptable as technology and needs evolve. By combining Milestone's open platform architecture with Arcules' cloud-based flexibility, districts can scale security systems efficiently while maintaining control of their data. For educational organizations that often face limited budgets and high accountability, this combination represents a practical way to stay ahead of emerging safety and technology needs.

Future-ready foundations for safer schools

Powered by the Milestone open platform, the district's investment in Arcules ensures long-term flexibility. Should future needs require on-premises or hybrid deployments, Milestone XProtect can seamlessly integrate, creating a unified video ecosystem across all campuses. The district's IT team now manages updates and network performance with ease. Cloud-based upgrades minimize maintenance demands, freeing staff to focus on supporting classrooms and digital learning initiatives.



Each new building or renovation can be quickly added to the system without downtime or costly configuration changes. As the district plans for future expansion, its use of Arcules positions it well for continued innovation and integration.

Arcules is a cloud-based VSaaS platform that unifies security devices and sites across a single, cloud-hosted interface, supporting more than 6,000 camera devices and allowing organizations to leverage existing IP security cameras while gaining full-featured, cloud-based VMS capabilities. Built with SOC 2 Type II compliance and AI-powered analytics, Arcules also offers access control and automated alerts to improve situational awareness.

For organizations that use Milestone XProtect video management software, Arcules enables seamless integration, allowing them to expand on-premises deployments by adding remote or satellite sites managed through the cloud. This hybrid flexibility makes it ideal for large districts with multiple campuses seeking to blend cloud scalability with edge-based control. While the district currently uses Arcules as a standalone cloud solution, this hybrid flexibility ensures its infrastructure can evolve easily if future expansion requires on-premises or multi-site integration.

The scalability and ease of use have also encouraged other departments to explore how video insights can improve daily operations. With the ability to integrate analytics from Milestone's broader ecosystem, the district is gaining new perspectives on how its campuses function. Data showing parking lot usage, building occupancy, or hallway traffic patterns can help managers improve resource allocation and safety protocols. These insights allow administrators to make data-driven decisions that go beyond security, ultimately improving student experience and operational efficiency.

As part of an open platform solution, the district can expand analytics capabilities through BriefCam's AI-powered insights or adopt other Milestone offerings as its needs evolve. This approach aligns with Milestone's latest platform updates, which emphasize smarter investigations, stronger reliability, and unified system health monitoring across the company's technology portfolio.

Building a smarter, safer future

For this Southeast school district, the move to cloud-connected video security represents more than a technology upgrade. It marks a shift in how safety, education, and innovation come together. By adopting the Arcules cloud-based VSaaS platform, they have established a secure and scalable foundation for growth.

As educational environments continue to evolve, Milestone and Arcules provide a clear path forward for schools seeking to modernize security, reduce complexity, and build community trust. Through cloud technology, the district now delivers peace of mind for educators, students, and families, ensuring that every classroom remains a safe place to learn and thrive. Together, Milestone and Arcules are helping education leaders create safer, smarter, and more connected learning environments that empower schools to focus on what matters most: their students.





Recognize the challenges?

Do you also need to see what is happening on your premises, so you can respond in time?

Get in touch with us at milestonesys.com/book-a-demo/ and let's talk about what type of solution is right for you.

About Milestone Systems

Milestone Systems is a world leader in data-driven video technology used in industries as diverse as manufacturing, airports, law enforcement, retail, and traffic management. We provide a clear picture of how to create a safer, better and more prosperous world. Our XProtect video management software, BriefCam AI-powered analytics, and Arcules cloud VSaaS help our customers learn from the past, understand the present, and predict the future. Founded in 1998 and headquartered in Copenhagen, Milestone employs more than 1,500 people worldwide and has been an independent company in the Canon Group since 2014.

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