



SAFETY
REIMAGINED

SAFE SCHOOLS AND UNIVERSITIES

NEXT GENERATION SAFETY FOR
THE NEXT GENERATION



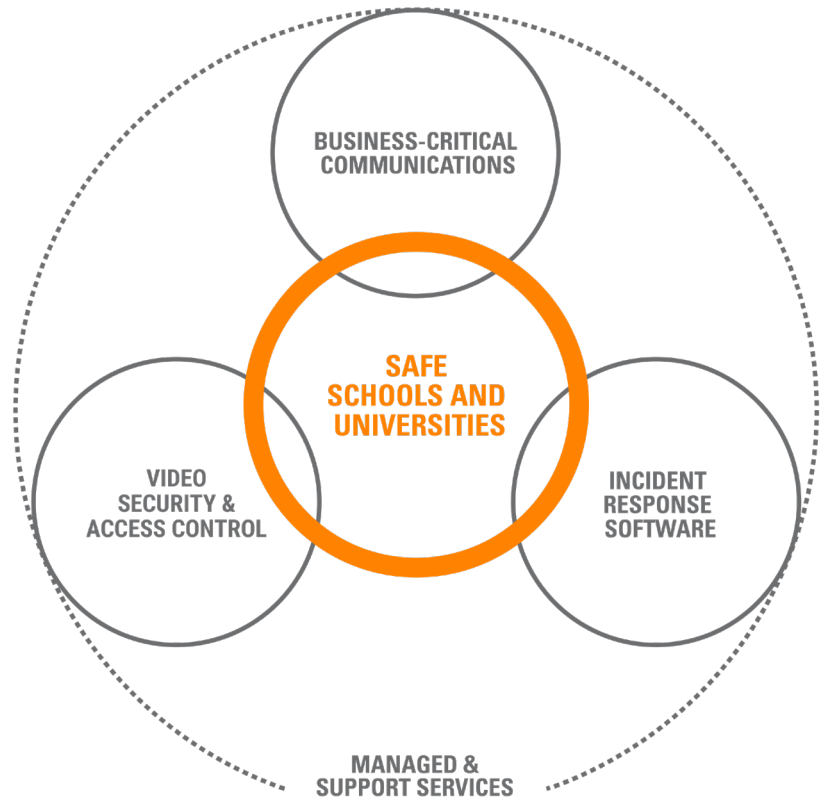
CREATING SAFE SCHOOLS AND UNIVERSITIES

Keeping our schools and universities safe, and our students focused on learning have become top priorities for teachers, lecturers, parents, and communities nationwide. That's because threats to school and university safety and security continue to rise. Today's staff and teachers are not only responding to everyday incidents, such as hallway altercations or minor health emergencies, but also critical emergencies.

Communications and safety technology is evolving to help schools and universities meet these security challenges and ensure that students feel secure, supported, and ready to learn at all times. We envision a world where technology works seamlessly together to respond to everyday emergencies while also recognising patterns, anticipating actions and preventing situations before they escalate into emergencies. We call this vision – Safety Reimagined.

At Motorola Solutions, we've made this vision a reality by building a unified and connected technology ecosystem that integrates critical communications, video security, data and analytics, and is built on one common operating platform – giving schools and universities the systems they need to detect, analyse, communicate and respond to unfolding incidents or threats.

The same technology that keeps your team and facility safe also makes you better at everything you do. Safety Reimagined integrates the fundamental technologies to keep your facility connected and operations efficient – providing the assurance of safety you need so students and staff can focus on their learning and development.



EXAMPLE USE CASE: PERIMETER ALERT

Our Safe Schools and Universities integrated ecosystem allows you to address everyday concerns as well as emerging situations through the four pillars — Detect, Analyse, Communicate and Respond.

We will explore how these pillars work together to address your challenges through the example of responding to a perimeter alert.



DETECT

Managing your grounds can be a challenge. From overseeing multiple building entries, controlling student and visitor activity, and monitoring access, detection plays a critical role in improving situational awareness and minimising potential threats. Integrated video security monitors and identifies unusual activity and potential intruders across your campus. Automatic license plate recognition analyses vehicles entering and exiting campus — detecting and reporting suspicious vehicles on your property. Building entry management provides access control, automates lockdowns and pushes notifications of potential entry breaches to your response team's radios. All of this comes together to provide you with better insights — so you can focus on keeping students and staff focused on learning.

DETECTION OUTCOMES

Secure And Monitor Access To Your Campus Buildings

Manage staff, student and visitor access to buildings or restricted areas on campus grounds using a role-based system with instant detection of individuals at access points. Receive instant notifications via text message and text-to-voice alerts on radios or smartphones of an access point breach.

Maintain Proactive Awareness for Suspicious Activity

Capture critical details and enhance visibility across campus with specialised cameras for every location — such as fisheye for classrooms and lecture theatres, multi-sensor for hallways, and pan-tilt-zoom for parking lots. Combined with video analytics technology, video security technology allows for a holistic view for any unusual movement such as vehicles driving the wrong direction or individuals loitering.

Be Alerted on Who is Coming and Going from your Campus

Monitor the main entrances and exits to your campus using License Plate Recognition analytics and automatically alert security when a known vehicle enters campus grounds. Using Watch List Alerting, you can identify people of interest based on a secure, controlled watch list created and maintained by authorised individuals. Whether a banned individual drives into your parking lot or walks onto the property, all relevant staff are notified and the appropriate response plan is engaged.

Get Visibility into Escalating Situations

Receive critical alerts directly on your radio with sensor and camera analytics that connect seamlessly with your system, monitor activity and provide for a more focused response. Alerts are consequently sent to appropriate staff directly on their radios so the appropriate resources can be dispatched to address the situation.



FEATURED TECHNOLOGY

Access Control

Manage access to different buildings or restricted areas within your facilities using a role-based system with instant detection of individuals at access points and camera-based verifications.

Video Security and Analytics

Deter threats and enhance visibility across your facilities with specialised wide-view cameras for every location — such as fisheye for classrooms and lecture theatres, multi-sensor for hallways, and pan-tilt-zoom for parking lots. Ensure situational awareness is always maintained by sending instant notifications of these analytics to the appropriate individuals on the device of their choice from radios to smartphones and more.

PERIMETER ALERT - DETECT



LICENSE PLATE RECOGNISED

Suspended student's license plate detected entering campus grounds and campus security automatically receives an alert on their device of choice and in the security operations room.



ANALYSE

Every day, you're responsible for monitoring a large campus to maintain the safety of hundreds of students, teachers and staff. Searching through the collected data in order to recognise concerning behaviors on and around campus is a demanding task. Video analytics detect potentially suspicious activity on your property, providing real-time insights into campus movements. Appearance searches quickly and seamlessly explore video footage and locate students and visitors through physical descriptions, allowing easy identification. Unusual motion detection reveals atypical events which need investigating. Ultimately, these insights enable proactive monitoring and management across campus — enabling you to respond to suspicious behavior before an incident occurs.

ANALYTIC SOLUTIONS

Track and Locate Persons of Interest in Real-time

Pin-point the location of specific individuals in your buildings or on your campus to respond to or prevent potential incidents. Using video analytics, security officers and administrators can respond quickly to identify the location of a student or staff member by using their appearance, shoes or clothing as an identifying characteristic to begin the search. Prevent potential escalations by automatically populating relevant cameras if a suspicious person is identified at your facility and monitor their path of trajectory.

Actively Monitor the Location of Response Resources

Determine your closest resources to an incident for the most efficient and timely response. Whether a banned individual drives into your parking lot or walks onto the property, or an emergency is taking place, leveraging the mapping of the real-time GPS location of devices and people can enable your staff to increase their efficiency and promptly respond to any situation at hand.

Quickly Evaluate a Situation on a Single View

Save seconds and see a holistic view of the situation by populating all nearby cameras to an incident with a single click. Easily identify where action is required and view all available intelligence aggregated onto a single screen.



FEATURED TECHNOLOGY

Appearance Search

Find who you are looking for faster with video search that can be initiated by selecting specific physical descriptions such as hair or clothing colour, gender, age category or vehicle type and colour.

Video Analytics

Use advanced pattern-based analytics and teach-by-example technology to proactively monitor and accurately recognise movements of people and vehicles while ignoring motion not relevant to a scene that could pose a safety or operational risk. Additional rules-based analytics help ensure your security staff don't miss important events that need further investigation, such as loitering.

PERIMETER ALERT - ANALYSE



SITUATIONAL INTELLIGENCE GATHERED

Through a watch list of known individuals, the intruder is automatically detected approaching the campus. Security receives a notification every time the intruder comes into view of a camera to monitor their movements.



COMMUNICATE

Whether it's a routine fire drill, a sudden food fight in the restaurant or an emergency situation, clear and timely communication is key to creating a connected and protected campus.

Communications — including radios and LTE devices — instantly and reliably connect your security, administration, bus drivers and staff. Radio alerts ensure key personnel are informed of critical alerts. Mass notification enables you to send critical information to faculty, staff, parents and guardians quickly and easily, keeping the community aware of campus activity. Connectivity — both on and off campus — is an important part of creating a safe and collaborative educational environment where you and your team are always aware.

COMMUNICATION SOLUTIONS

Instantly Share Information Across Multiple Teams or Campuses

Distribute intelligence across multiple devices and facilities for seamless communication no matter where your teachers, staff, administrators or bus drivers are located. Images of missing students, suspicious vehicles or disruptive individuals can be shared with a press of a button for an efficient response from your security officers and administrators to intercept potential escalations.

Broadcast Mass Notification Alerts to Relevant Staff

Notify and enable your teacher, lecturers and staff at a moment's notice with automated alerts sent via text, email or voice message from laptops or smartphones. Send multimedia and data rich intelligence to multiple groups — on and off campus — to provide everyone with the most up to date information.

Manage and Access All Communications From a Single View

Simplify and standardise your dispatch process and workflow with streamlined dashboard views and instant communication across multiple devices from a single desktop application.

Transmit Multi-Media Intelligence

Live video and intelligence can be shared with security officers monitoring building entrances to intercept individuals and prevent them from entering the facility. Share real-time images of suspicious vehicles or individuals across your staff and security teams to ensure a seamless share of relevant information over a privately owned broadband network.



FEATURED TECHNOLOGY

MOTOTRBO Radios

MOTOTRBO Ion brings together renowned PTT performance, an open app ecosystem on the Android platform, and access to the Motorola Solutions technology ecosystem — including video security and analytics, and best-in-class network security. With Ion, teams stay connected across networks and devices. Business-critical data and workflows are unified and simplified. And the capabilities your team needs to be at their best are always on. An intuitive touchscreen lets you view high resolution images, and an integrated camera lets you send — even stream — photos and videos.

WAVE PTX/TLK

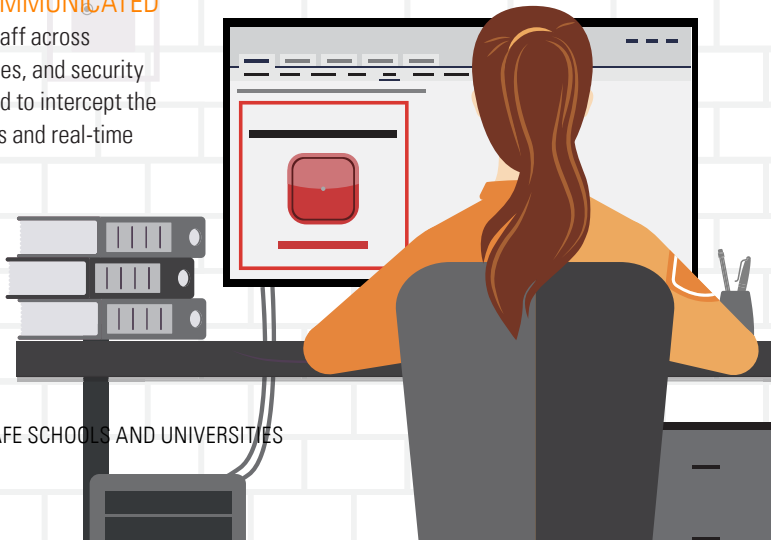
Share voice and data without boundaries, enabling smart phones with push-to-talk capabilities enhanced with the ability to push details via text, photo, video or file attachment to smartphones, tablets, laptops and even land-lines.

PERIMETER ALERT - COMMUNICATE



NOTIFICATION COMMUNICATED

Alert dispatched to staff across radios and smartphones, and security officers are dispatched to intercept the individual with images and real-time location updates.



RESPOND

Whether it's an everyday situation or an emergency, being ready and aware is critical to ensuring your team can quickly respond to whatever situations may arise. Having a comprehensive communications and action plan that can be seamlessly activated ensures your personnel are able to respond calmly and effectively with minimal disruptions to the learning environment. Emergency connectivity ensures instant access to your local law enforcement agency for immediate notification and effective engagement of emergency response teams. Mission-critical devices provide interoperability and seamless communications when you need it most. Real-time intelligence shares alerts and live video feeds with campus personnel and public safety, enabling a coordinated and informed response and providing eyes on the scene for your security staff and local first responders. Because enabling rapid response and documenting past incidents can be the key to preventing incidents from becoming tragedies.

RESPONSE OUTCOMES

Dynamic Communication with Public Safety

Optimise response times to situations and incidents that require additional emergency response resources. Proactively engage directly with public safety using radio networks to share situational and location intelligence updates before their arrival on scene. Compile and deliver video footage to law enforcement teams for future incident prevention.

Provide Critical Incident Insights

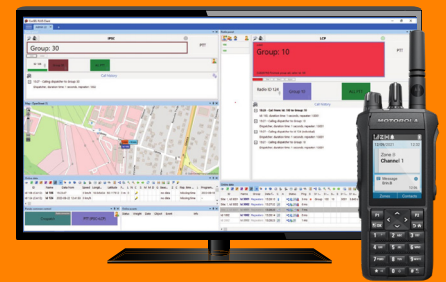
Provide critical incident insights and eyes-on-the-scene with real-time video from your security operations room to staff in the field. Updates are communicated directly with relevant security staff and administrators on their devices of choice to ensure the safety of your teachers and students while they respond to everyday incidents and emergency situations.

Document Incidents for Future Prevention

Save time with automatic population of incident data for efficient reporting and documentation. All relevant information and video captured is securely and seamlessly stored and documented and can be shared with the security team, schools and universities within the district or public safety.

Increase Workforce Efficiency

Achieve a seamless flow of communication and information across teams with two-way radio communications. Enable seamless coordination and connectivity — regardless of the situation — with interoperability between campus personnel and local law enforcement to ensure a rapid response.



FEATURED TECHNOLOGY

Control Room Solutions

Integrating powerful voice and data communications with advanced fleet control and dispatch functionalities, Control Room Solutions maximise your operational effectiveness. Control room personnel are equipped with tools that allow them to organise and deliver tasks more efficiently, communicate better with teams in the field and make faster, sounder decisions when incidents happen.

Critical Connect

Easily enable and disable dynamic, seamless and secure temporary communication links between networks with interoperability between response teams and on-site staff, and even with local first responders.

PERIMETER ALERT - RESPOND



FIRST RESPONSE DISPATCHED

Local police directly informed with video for immediate first response. An incident report is then securely documented with all relevant information using pre-populated fields.



AUTOMATE WORKFLOWS. CONFIGURE YOUR TECHNOLOGY. ELEVATE THE GUEST EXPERIENCE

Time is precious. Managing the communications, video and software that comprise your security and operations technology ecosystem can be time-consuming, and task. What if there was a way for you to focus on what matters most and automate the rest? That's why we created Orchestrate. It's a simple, user-friendly and cloud-based interface tool that gives administrators the ability to configure and automate workflows that control their integrated security technology ecosystem. These intelligent, automated workflows also enhance efficiency as well as improve response times, effectiveness and overall personnel safety. It equips your security network operations teams with the capabilities they need to detect triggers across a number of installed devices and quickly take actions to reduce risk of breaches and downtime by automatically alerting the appropriate teams and executing the proper procedure. Orchestrate makes managing your day-to-day operations effortless by providing a self-service workflow management tool at your fingertips.

KEY FEATURES

Complex Workflows, Simplified.

Our business workflow automation solution, Orchestrate, is designed for your unique ecosystem. It allows you to integrate individual processes, fully manage and optimise workflows, and deliver a consistent response every time. The number and complexity of workflows can scale to meet the needs of your operations. Because Orchestrate is a secure, cloud-based, cross-technology platform, users can access and build customised solutions from anywhere, at any time.

AUTOMATION

Let Intelligent Workflows Do the Work.

Your organisation is being continually challenged to do more with less — and to do it quickly, efficiently and cost-effectively — all while protecting people's safety. When you are able to immediately recognise and respond to threats and unexpected events, you are able to focus on the work at hand. Ensuring nothing is missed. From simple machine-assisted decision-making to complex workgroup action and event management, Orchestrate empowers you to address the unique challenges of your operation, automatically. All so you can keep your focus on what matters most.

EMPOWER YOUR OPERATIONS

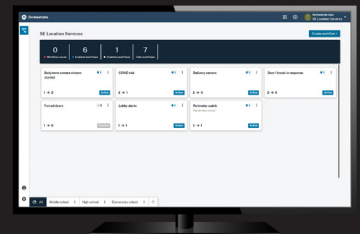
Address the unique challenges of your operation, automatically.



HOW ORCHESTRATE WORKS

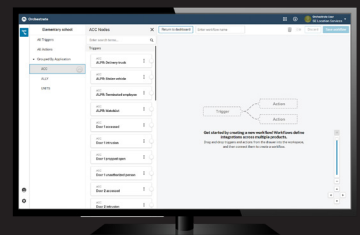
Self-service workflow creation.

Administrators can create rule-based, automated workflows between their technology sleeves to enhance efficiency as well as improve response times, effectiveness and overall safety.



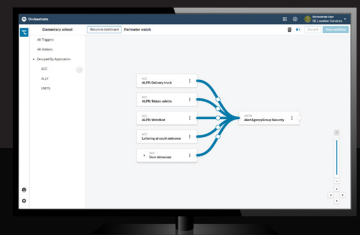
EXPLORE

Easily scale operational views for effective workflow management



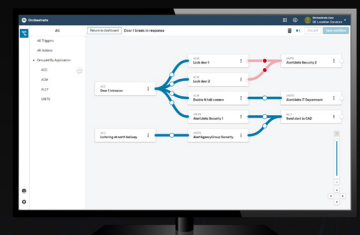
DEFINE

Establish business logic with a simple-to-use, graphical interface



CONFIGURE

Create automated workflows for machine-assisted decision-making



ACTIVATE

Leverage analytics to trigger conditional logic, thereby alerting and informing relevant teams



TAKE SCHOOL AND UNIVERSITY SAFETY TO THE NEXT LEVEL

#1

priority for schools is protecting staff, students and visitors with safety features.*

*2021 Motorola Solutions Education Survey

It's time to reimagine what safety can do — driving efficiencies, bolstering performance and helping you deliver a secure and supportive school and university environment for students to learn.

By bringing together the technologies and solutions you need to detect, analyse, communicate and respond, Motorola Solutions' Safe Schools and Universities integrated technology ecosystem is helping you build a safer campus. So you can attract families to communities where students can thrive. And where you can recruit the best teachers and faculty who can focus on educating the next generation.

Learn more at:

motorolasolutions.com/safeschools

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Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice. Camera footage is for illustrative purposes only.

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