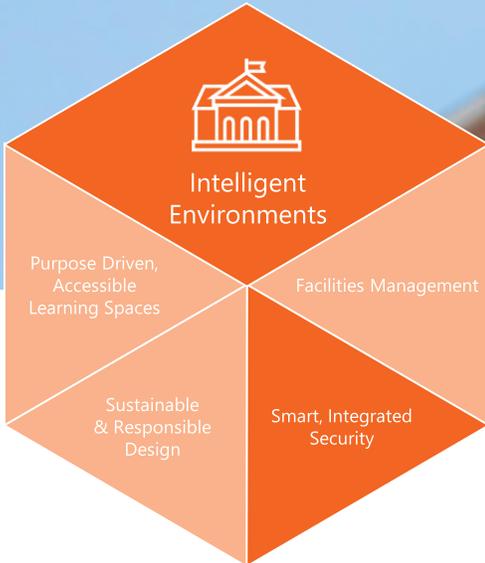


# Smart Integrated Security



Smart Integrated Security is about using intelligent safety systems to proactively make schools safer and reduce bullying and other threats. Such systems can track people and assets, alerting the school community to safety issues. They can also control access to school facilities dynamically, aiding emergency response.

The **Microsoft K – 12 Education Transformation Framework** is an effective, flexible platform for education transformation. To develop it, we combed the latest research and consulted hundreds of academics, experts and policy makers. We distilled the key insights into a single powerful framework.

**Intelligent Learning Environments** empower creative collaboration in flexible learning spaces. It enables more sustainable and energy-efficient ways of working and more responsive and coordinated security to keep learning communities safe. It also helps administrators manage facilities more efficiently to maximize learning while cutting cost.



## What is Smart Integrated Security?

The safety of students, faculty, and staff has become a high priority across the globe. With a shocking number of physical and cyber crimes reported every year, it is hard to ignore the need for a comprehensive system to keep everyone safe.

Of course, keeping students safe isn't limited to criminal incidents. Natural disasters, fires, accidents, and health related concerns all fall under the umbrella of campus safety. All potential hazards mandate the use of the latest security monitoring, communications, notification and emergency response systems and technologies on today's campuses. Smart security cameras, emergency notifications and situation management tactics are all part of the safety equation.

*"The solution, built on Microsoft Azure, is ideal not just for schools, but for any organization that wants to keep its community members safe. The peace of mind it provides is priceless."<sup>1</sup>*

**Chancellor Efraín Vázquez-Vera**  
University of Puerto Rico at Humacao

## Guiding Questions:

- How can smart integrated security systems enable faster emergency response options?
- How can learning environments improve from smart integrated security systems?
- How can security issues be more effectively managed with smart integrated security systems?



## Expected Outcomes

Students and educators need to feel safe for effective learning. Integrated security systems help prevent problems and support emergency workers in case of an incident with:

- Integrated cameras: using real-time video analytics, it is now possible to pinpoint specific faces, key in on unwanted or suspicious behavior, and pay closer attention to relevant areas at relevant times, while ignoring the immaterial data.
- Access control: by integrating advanced security technologies with smart networking capabilities, you can now limit and monitor who has access to what, when.
- Emergency systems: the ability to respond quickly and efficiently to an incident is much greater when security personnel receive all the information they need to act.

*"We require high degrees of security, privacy, compliance, and compatibility for our systems working together. We were clear that we wanted to stay with apps within the Windows environment."*<sup>2</sup>

### Jack Hitchings

Director of Learning and Technology  
Port Alberni School District

## Technology as an Enabler

Microsoft technologies let you combine artificial intelligence, video, big data and IoT to manage building access, smart cameras, emergency notifications, anti-bullying and crisis prevention.

Tools like Azure Security Center provide unified security management and advanced threat protection across hybrid cloud workloads. It allows you to get a holistic view of security, and apply policies across all workloads on-premises and in the cloud to ensure compliance with security standards.

## Further Reading

**University of Puerto Rico Humacao keeping students safe, meeting federal mandates**

Read full story: <https://aka.ms/O9vivm>.

**New York City Police Department and Microsoft Partner to Bring Real-Time Crime Prevention and Counterterrorism Technology Solution to Global Law Enforcement Agencies**

Read full story: <https://aka.ms/Kpb9zp>.