

ACTATEK EDGE AI FOR SCHOOLS

A safer, more efficient campus with access, occupancy, and building control in one platform. Slashing energy bills by 25%+ — a system that pays for itself!

Audience Focus: Schools, campuses, academies, and education facilities.



CURRENT MARKET SIGNAL

Schools must balance campus safety, IAQ, crowded shared spaces, energy costs, and simple administration across many rooms.

BUYER CHALLENGES & PAINS

- Schools need secure entry for staff, students, contractors, visitors, and restricted areas.
- Classrooms, gyms, halls, and labs waste energy when lighting and HVAC run on fixed schedules.
- Air quality and crowd capacity matter for student wellbeing and operational safety.
- Constant cybersecurity threats

EXPECTED BUSINESS OUTCOMES

- Maintain access control and schedules locally even if the internet fails.
- Reduce energy use across classrooms, offices, halls, and sports facilities.
- Support emergency visibility with logs, alerts, alarms, and video-aware monitoring.
- Enhanced cybersecurity protection

TAILORED SOLUTION FIT

- Manage credentials for doors, gates, labs, server rooms, sports areas, and after-hours access.
- Use real-time occupancy to pre-condition rooms before they overheat or become stale.
- Set capacity limits for halls and shared spaces with automatic access denial when full.
- Integrates physical and cybersecurity to plug security loopholes

CORE PLATFORM CAPABILITIES

- Offline edge intelligence keeps credentials, schedules, logs, and automations active when internet service is unavailable.
- Unified control joins access, workforce tracking, HVAC, lighting, sensors, alarms, alerts, and video-aware visibility.
- Real-time occupancy plus sensor data supports 25%+ energy-saving potential by acting before spaces overheat or sit empty.
- Blocks local login attempts if not onsite as determined by physical access control

AI DATA ANALYTICS / APPLICATIONS

- Workforce Deployment: Track class attendance automatically by syncing biometric check-ins with Student Information Systems.
- Facilities Optimization: Enforce occupancy and capacity limits dynamically in libraries, gyms, and cafeterias.
- Predictive Maintenance: Track classroom CO2 spikes to automatically trigger fresh air ventilation and HVAC cycles.

LAUNCH PATHWAY & STRATEGIC OFFER

Launch Angle: Create a school starter tier for main entrances, halls, gyms, classrooms, and air-quality-aware ventilation triggers.

Recommended Offer: Deploy first where security and energy waste overlap: main entrances, halls, gyms, and labs.

Contact Channel Support | Email: info@actatek.com | **Web:** www.actatek.com

Research & References:

EPA IAQ: <https://www.epa.gov/indoor-air-quality-iaq>

ASHRAE 241: <https://www.ashrae.org/technical-resources/bookstore/ashrae-standard-241-control-of-infectious-aerosols>

ENERGY STAR Buildings: <https://www.energystar.gov/buildings/about-us>