

ACTATEK EDGE AI FOR HOSPITALS

Secure critical areas while optimizing comfort, air quality, and operational efficiency. Slashing energy bills by 25%+ — a system that pays for itself!

Audience Focus: Hospitals, clinics, medical centers, and healthcare estates.



CURRENT MARKET SIGNAL

Healthcare facilities need resilient access control, auditability, cleaner air strategies, and energy optimization without disrupting care.

BUYER CHALLENGES & PAINS

- Healthcare sites need precise access control for wards, pharmacies, labs, plant rooms, and records areas.
- Connectivity outages cannot be allowed to stop access schedules or local automation.
- Energy demand is high, while patient comfort and indoor air quality remain mission-critical.
- Constant cybersecurity threats

EXPECTED BUSINESS OUTCOMES

- Improve security visibility with access logs, monitoring, alerts, and built-in video support.
- Reduce energy waste in offices, meeting rooms, clinics, and non-critical spaces.
- Support healthier indoor environments through PM2.5, PM10, CO2, and CO-aware ventilation.
- Enhanced cybersecurity protection

TAILORED SOLUTION FIT

- ACTatek keeps credentials, schedules, and local sensor automations running offline at the edge.
- Flexible credentials support staff, visitors, contractors, temporary access, and high-security zones.
- Occupancy and sensor data can trigger ventilation, HVAC, lighting, alarms, and alerts in real time.
- 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 nurse shift handovers and staff presence across high-security wards in real time.
- Facilities Optimization: Secure medicine storage rooms and pharmacies using multi-factor biometric authentication.
- Predictive Maintenance: Monitor environment sensors and positive-pressure clean rooms to schedule ventilation checks.

LAUNCH PATHWAY & STRATEGIC OFFER

Launch Angle: Start with non-clinical zones, staff areas, pharmacies, records rooms, and estate offices to prove security plus efficiency.

Recommended Offer: Use ACTatek in non-clinical and controlled zones first, then extend across the estate.

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Research & References:

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

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

NIST Building Cybersecurity: <https://www.nist.gov/programs-projects/cybersecurity-building-systems>