

ACTATEK EDGE AI FOR CARE HOMES

Protect residents, support staff workflows, and keep air quality comfortable. Slashing energy bills by 25%+ — a system that pays for itself!

Audience Focus: Care homes, assisted-living sites, nursing homes, and residential care facilities.

CURRENT MARKET SIGNAL

Care environments face pressure for resident safety, visitor accountability, comfort, ventilation, and resilient local operations.

BUYER CHALLENGES & PAINS

- Care sites must control visitor, staff, supplier, and resident-zone access without slowing daily operations.
- Healthy air, temperature, and ventilation are critical for vulnerable residents.
- Manual logs and disconnected systems make audits and incident reviews harder.
- Constant cybersecurity threats

EXPECTED BUSINESS OUTCOMES

- Improve safety with reliable access logs, alerts, alarms, and video visibility.
- Lower utility waste in lounges, dining rooms, clinics, offices, and empty wings.
- Support compliance-style reporting through centralized event records.
- Enhanced cybersecurity protection

TAILORED SOLUTION FIT

- Use role-based credentials for staff, visitors, cleaners, contractors, and controlled zones.
- Automate ventilation and HVAC using occupancy plus PM2.5, PM10, CO2, and CO sensor data.
- Keep local access and schedules working during internet outages to protect continuity of care.
- 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: Audit care staff presence and check-in logs to ensure round-the-clock compliance.
- Facilities Optimization: Protect residents by tracking indoor air quality (PM2.5, CO2, VOCs) and automating fresh-air fans.
- Predictive Maintenance: Prevent resident wander events by securing ward doors with biometric and RFID cards.

LAUNCH PATHWAY & STRATEGIC OFFER

Launch Angle: Position early care-home deployments around secure visitor/staff access, clean-air monitoring, and offline continuity.

Recommended Offer: Use ACTatek to connect resident safety, staff accountability, and healthy-building control.

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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>

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

One System. Total Control

ACTAtek™

