



Delivering Up to 80% Savings and Improved Performance

CASE STUDY - VACANT PROPERTIES



RAD Saving Solutions

Replaces guards on perimeter intrusion detection and patrol duties.
Savings up to 80%



Replaces guard, lobby ambassador and/or receptionist for lobby security & concierge duties.
Savings up to 90%



Wally HSO

This version of Wally replaces personnel performing health questionnaire and temperature checks.
Savings up to 90%



ROSA

Replaces guard on perimeter.
Savings up to 80%



AVA

Replaces guard at vehicle gate checking vehicles in and out.
Savings up to 85%



ROAMEO

All weather patrolling guard replacement.
Savings up to 60%

EMPTY SPACES SHOULD BE **MONITORED AND NEVER NEGLECTED**

Theft, trespassing, fires and other losses are a **constant threat to vacant properties** and construction sites. These losses might include the value of the stolen or damaged materials, and may include the liability of an individual being injured on the vacant property and the loss of time if a critical piece of equipment is stolen or damaged.

Property managers and owners often choose to leave such vacant properties unsecured **in contrast to paying the high cost of contracting security personnel** or a mobile security service to regularly visit the property. No power, no Wi-Fi or Internet connection? How can you monitor a vacant property, construction site, or an abandoned building?

Robotic Assistance Devices (RAD) has developed a suite of hardware and software solutions that create an autonomously responding security system. RAD solutions enable **real-time deterrence to criminal acts, with non-biased autonomous engagement**. This means that a RAD device can identify and respond – autonomously. Just like a guard, but without the high cost and related liabilities. Naturally, the platform includes comprehensive messaging, audio options and a host of other features in one simple to install **security-in-a-box solution**.

1. **Autonomous responses** to unwanted visitors or vagrants, or to **pleasantly welcome** real estate shoppers to the property!
2. **A physical deterrent** that is highly visible
3. Create **non-biased, non-discriminatory**, fully-recorded autonomous and remote to situations in progress
4. Provide **situational awareness to on-site or off-site responders and command staff** in real time – with **no IT involvement**

RAD's solutions provide all this – and much more. With a device well-suited for every location indoors and outdoors, RAD solutions offer both a deterrence plus the welcome addition of taking immediate action; whether autonomously or initiated by monitoring personnel or local authorities.

877-78-ROBOT (877-787-6268)

www.roboticassistancedevices.com

info@roboticassistancedevices.com

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VACANT PROPERTY SECURITY RISKS ARE HARMFUL TO ALL

The rise in vacant properties across the U.S., mostly affected by struggling economic conditions has triggered a host of new security problems for landlords and property owners. Construction firms that have halted work during the shutdowns are now experiencing new security concerns. Retail properties remain empty, with dubious hope in reopening, while vacation property rentals have nearly stalled. Even once bustling convention centers and resort aren't anywhere near their normal capacity.

SECURING AN UNOCCUPIED VACANT BUILDING OR CONSTRUCTION SITE SHOULD ADDRESS THE FOLLOWING:

- Monitor and deter any unwelcome visitors to the location
- Detect suspicious issues immediately
- Autonomously respond to events, both audibly and visually
- Escalate situations to remote monitoring security personnel
- Record and digitally store all video activity for future law enforcement retrieval or insurance claims

RAD devices have been **used to monitor and protect vacant properties and construction areas** in several ways. RAD units are actively deployed at housing construction lots in an effort to deter trespassing and deter loiterer and reduce the incidence of theft. RAD technology provides the following:

- **Human Detection Alerts** – RAD's human detection alerts helps maintain situational awareness in the area of deployment;
- **Remote Monitoring Center (RADSOC)** – RAD's ability to provide human interaction through its RADSOC allowed the security personnel to respond quickly with up to date information of what's happening in the area;
- **Incident Recording of Video and Audio** – The RAD unit's cameras document the entire incident.

RAD'S SMART SECURITY DEVICES INSTALL CONFIDENCE, PERFORMANCE AND SAVINGS

NOTE: All RAD devices are designed to be easier to install and deploy, and faster to get to work, than any traditional security guard, usually within minutes. It really is as easy as plug the device in (if it requires power), activate it, and watch it go to work. All communications are handled through enhanced cellular connections, requiring no support from your IT department.

ROSA™ (Responsive Observation Security Agent) is a security supplemental device that includes critical **autonomous responses** to help simulate security personnel actions at a fraction of the cost. The device's 180° field of view through dual hi-resolution, full-color, always-on digital cameras provide 24/7 visibility and monitoring.

ROSA can effectively be **used to recognize and deter loitering and unwanted trespassers**. This device's continually active analytics – all built-in – create an alert based on the end-users' particular needs. An internal countdown timer is then created when ROSA detects a human in its field of view, and if the identified person remains in view of the device beyond the established time, an audible alarm and alert is activated. Furthermore, an on-duty guard or remote monitoring officer would be notified of the incident and then could visually identify these suspicious individuals. Once identified, the guard could initiate an audio announcement through the ROSA device notifying them that they must leave, or the property would take appropriate further actions.

Your vacant property will be protected by ROSA even if there is no Internet access, and **optionally under its own solar power**. Any activity will be monitored, audibly and visually alerted, and digitally recorded. More than a surveillance camera, ROSA is a crime fighter and crime stopper when no one else is there.



ROSA

ROSA's Solar Power Option

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SCOT™ (Security Control Observation Tower) is RAD's flagship product. Standing over 7' tall, SCOT is capable of manning and monitoring locations 24/7, and at a fraction of the cost of manned security personnel, while providing a host of concierge services (see next page). The unit's 360° field of view through four high-positioned, hi-resolution, full-color, always-on digital cameras place eyes on property and periphery unlike any other product.



SCOT can be positioned and engaged to **monitor and record both human and vehicle activity** in any environment, indoors or outdoors. RAD's feature of SuspectSpotter uses artificial intelligence for accurate detection of persons – and then can perform a variety of actions based on location, time of day and day of week. Popular SCOT also includes the capability of initiating emergency calls to company staff or remote monitoring personnel with two-way audio and video communications. In the case of an imminent threat or actual emergency, the guest would simply push the unit's CALL SECURITY button. Immediately, they will be greeted by a remote monitoring officer who could then activate additional device alarms and dispatch additional security or law enforcement, all while capturing every incident detail including, video and recorded audio securely on the cloud.

AVA™ (Autonomous Verified Access) is a compact and mountable unit that seamlessly integrates with all other RAD devices and provides an edge-to-edge 180° field of vision with advanced access control over gates and entries. As easy to install and scale as all RAD hardware, AVA deploys RAD's innovative artificial intelligence-based technologies to enhance an organization's situational awareness, communication, and control, providing visibility on who is accessing the property or yard. AVA takes full advantage of the RAD Software Suite aimed at providing a **comprehensive access control package** that is ideal for **distribution and storage yards, vacant parking lots**; anywhere that increased visibility is needed at a fraction of the cost.



ROAMEO™ (Rugged Observation Assistance Mobile Electronic Officer) is RAD's latest addition to the lineup. When **mobility, speed and power** are needed, ROAMEO is the robot for the job. Innovative from the ground up to its impressive nearly 7' total height, ROAMEO is an outdoor security robot unlike any deployed to date. ROAMEO takes all of RAD's industry-leading AI analytics, video surveillance capabilities, and interactive communications and puts them on the move, at speeds of up to 12 mph.

ROAMEO's 360-degree field-of-view routed through a robust analytic suite, all documented securely on the cloud through enhanced cellular services will allow ROAMEO to map property patrol sites, plan and execute routes, avoid obstacles (i.e., people, trees, power posts), and collect and apply data to further optimize for precision and efficiency.



CONCLUSIONS

RAD solutions will not prevent or stop all crime from occurring, but they certainly will supplement any efforts to deter, alert, apprehend and eventually prosecute trespassers and other offenders with reduced risk of property loss, harm and injury to all personnel, and with great reductions in cost. What these devices *will provide* in addition to being and extension to your security profile will be a **more safe and secure property**.