ROBOTIC
ASSISTANCE DEVICES

Delivering Up to 80% Savings and Improved Performance

CASE STUDY - TRANSIT AUTHORITIES

RAD Saving Solutions

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

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

Wally HSO
This version of Wally replaces personnel performing health questionairre 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%

WE MUST *REIMAGINE* SAFETY & SECURITY

How do we provide vital safety and security services in an era of budget cuts and realignment of resources?

Robotic Assistance Devices (RAD) has completely transformed the way public and private transit providers can **deliver and support, vital public services.** RAD's entire fleet of solutions are cellular optimized meaning they only require power – and with some solutions power is included. To these solutions, video cameras are now merely the eyes in front of powerful processors capable of running advanced artificial intelligence analytics that perform tasks once unthinkable – *except to the innovators at RAD.*

Providing deterrence to criminal acts, non-biased autonomous engagement, with full instance recording and more, RAD's solutions allow the community to positively interact with law enforcement in a way that did not previously exist.

1. Improve the perception of safety and **reduce the opportunity for crime**
2. Create **non-biased, non-discriminatory**, fully-recorded autonomous and remote to situations in progress
3. Provide **situational awareness to 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 and environment, RAD solutions offer both a deterrence plus the welcome addition of taking immediate action; whether autonomously or initiated by monitoring personnel or local authorities.

ROSA

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RADCASETRANSIT

CAN A MACHINE WORKING ALONGSIDE ITS HUMAN COUNTERPARTS DELIVER QUALITY PUBLIC SERVICES?

Acts and the threats of violence certainly impair the functioning of a transit agency's workforce. Whether measured in workdays lost, compensation payments, worker anxiety, or a more guarded, less service-oriented interaction with passengers, violence and fear no doubt inhibit workplace productivity, motivation, and potential. Worker protection requirements obligate transit agencies to minimize violence and the threat of violence. Acts of violence have legal and financial consequences for transit agencies. Passengers have an absolute right to expect protection and safety in, around, and on public bus and rail transit facilities and equipment.

Victims of transit violence have a right to legal redress when transit agencies are negligent. Passenger protection and liability avoidance also demand that transit agencies minimize crime and threat of violence. The concern over violence and crime is a broad community problem. As partners in America's cities and neighborhoods, transit agencies have an essential obligation to provide their patrons a crime and violence free facility and service. Failure to operate as a reliable vendor of safety weakens the entire community.

RAD SECURITY DEVICES DELIVER CONFIDENCE, PERFORMANCE AND SAVINGS

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. 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.

WALLY (A Wall Mounted SCOT) is a welcome complement to information and welcome desks, lobby concierge services, and guarding personnel. WALLY is capable of performing visitor and employee check-ins and clearances with access controls. WALLY monitors the surrounding area through its dual hi-resolution, full-color digital cameras providing a wide 180° field of view.

Notably, WALLY (with optional HSO solution) can perform valuable health screening assessments, and detect those wearing, or not wearing, face coverings as required by local mandate or policy.

SCOT and WALLY also include the capability of initiating emergency calls to an on-duty guard or remote monitoring officer with two-way audio communications. In the case of an imminent threat or actual emergency, the guest would simply push the unit's CALL SECURITY button, comparable to pulling a fire alarm. 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.

ROSA (Responsive Observation Security Agent) is a security supplemental device that includes critical autonomous response 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 also be used to recognize and deter loitering. 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, and if the identified people remain in view of the device beyond the established time, an 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.

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

These RAD devices will not prevent or stop all crime from occurring, but they certainly will supplement local agency's and law enforcement's efforts to deter, alert, apprehend and eventually prosecute offenders with reduced risk of harm and injury to all personnel, and with great reductions in cost.