RAD
an **AITX** company

Improve Security & Safety While, Slashing Costs.

Revolutionizing Security: The AI-Powered Future of

BANKING

Featuring ROSA™, RIO™, ROSS™, and RADDOG™

WELCOME

A RAD ROSA unit positioned inside a busy ATM vestibule

a wholly-owned subsidiary of

AITX
Artificial Intelligence Technology Solutions Inc.

ROSA:
Security Where and When You Need It.

A single ROSA device keeps watch over a bank building entrance.

- **Autonomous intelligent response is a real deterrent**
- **Includes range of AI analytics to drive autonomous responses:**
  - **Human detection**
  - **Vehicle detection**
  - **Firearm detection**
  - **PPE detection**
  - **License plate recognition**
  - **Hook & chain attack detection**
- **Same platform as RAD's RIO/AVA/TOM for operator ease of use**
- **Compact, optimized cellular driven (no IT required)**
- **Compatible with RAD Light My Way™**

ROSA (Responsive Observation Security Agent) Advancing Bank Security & Safety

ROSA's persistent AI analytic capabilities can be precisely configured to trigger alerts based on the specific requirements of your campus. Whether it involves monitoring entry points, parking lots, or buildings, ROSA provides flexibility and accuracy in threat detection.

In the event detecting unusual behavior within ROSA's surveillance area, the system can automatically initiate visual and audible alarms. This immediate response draws attention to potential security threats, helping to prevent breaches and maintain a safe banking experience for all.

ROSA seamlessly integrates with on-site security personnel or remote monitoring centers. This integration ensures that ROSA not only detects potential issues but also facilitates prompt and effective interventions, empowering your security team to respond swiftly and maintain a secure environment.

	Easily Deployed	Costs Less than $2 @ Hour	An Effective Detterent	On Duty 24/7
ROSA	✅	✅	✅	✅
Guard	❌	❌	❌	❌

View ROSA Demonstration Video

Protecting More Than Assets: Ensuring Customer Safety and Peace of Mind

Unsecured ATMs in busy locations are particularly vulnerable to criminal activities due to the large crowds and the anonymity they provide. Criminals exploit these conditions to carry out various illicit actions such as theft, card skimming, and physical assaults on ATM users. The sheer volume of foot traffic makes it easier for perpetrators to blend in and execute their plans without raising suspicion, while the bustling environment offers cover for their nefarious activities. Furthermore, the anonymity of crowded areas provides criminals with the opportunity to tamper with ATMs, install skimming devices, or engage in other fraudulent behaviors, putting unsuspecting customers at significant risk of financial loss and personal harm.

Implementing robust security measures is essential to safeguard both the financial assets of the bank and the well-being of its customers. One such solution is RAD's ROSA security robot, which offers advanced capabilities to enhance ATM security. By deploying ROSA, banks can deter potential criminals and enhance the safety of ATM users through its proactive surveillance and response capabilities. ROSA serves as a visible presence, deterring criminals from targeting ATMs in the first place, and its advanced technology allows for rapid detection and response to any suspicious activity, thus minimizing the risk of successful attacks. Overall, investing in innovative security solutions like ROSA is crucial for banking institutions to effectively combat the escalating threats posed by unsecured ATMs in busy locations.

[View ROSA Bank ATM Demonstration Video]

ROSA positioned above an ATM in a urban area.

Preventing Costly Hook & Chain ATM Attacks

In the face of escalating Hook & Chain attacks on ATMs, the banking industry confronts a critical dilemma, balancing the imperative of providing convenient access to financial services with the imperative of safeguarding against increasingly sophisticated criminal exploits. These after-hour assaults, characterized by the forceful opening of ATM safes using heavy chains or cables attached to vehicles, not only inflict substantial property damage but also precipitate significant financial losses for ATM operators and the banks they serve.

To address this challenge, RAD has developed a comprehensive AI analytic within the ROSA device that under certain conditions can detect the activities prior and during Hook & Chain attacks. A unique blend of integrated visual behavior detections will immediately trigger strong local autonomous responses from the ROSA device while alerting, and if desired, remote resources. Such autonomous responses may include loud alarms, bright warning lights, and simulated human commands. And of course, ROSA immediately connects and alerts remote monitoring personnel of the unfolding activity to possibly take further action.

By deploying RAD's solutions, banks express their prioritization of safety and security of both their assets and their customers' financial transactions, banks can now navigate this complex landscape of threats and uphold their commitment to providing reliable and secure banking services.

Request a Virtual Demonstration

A ROSA device has detected a vehicle and humans in an unusual position near an ATM.

- Hook & Chain ATM attacks can cost banks up to $500K per incident

- ATM attacks pose other financial and reputation impacts on banking institutions, emphasizing the importance of robust security measures to mitigate risks and protect assets

- RAD's ROSA device can detect potential hook and chain attacks using advanced AI analytics

- ROSA uses advanced detection tech and analyzes vehicle and human movement to spot suspicious activity.

- Upon detection, ROSA triggers alarms, lights, and audible commands to deter attackers.

- ROSA quickly alerts remote monitors for swift intervention and customer security.

RIO: Portable, Mighty, and Tailored for Bank Security Demands

The necessity for adaptable, portable security solutions is more critical than ever in banking and finance, as conventional security methods fall short in addressing current security and safety requirements. RAD steps forward in this space, presenting its groundbreaking and cost-effective RIO (**ROSA Independent Observatory**), offered in two distinct models: **RIO 360 and RIO 180**.
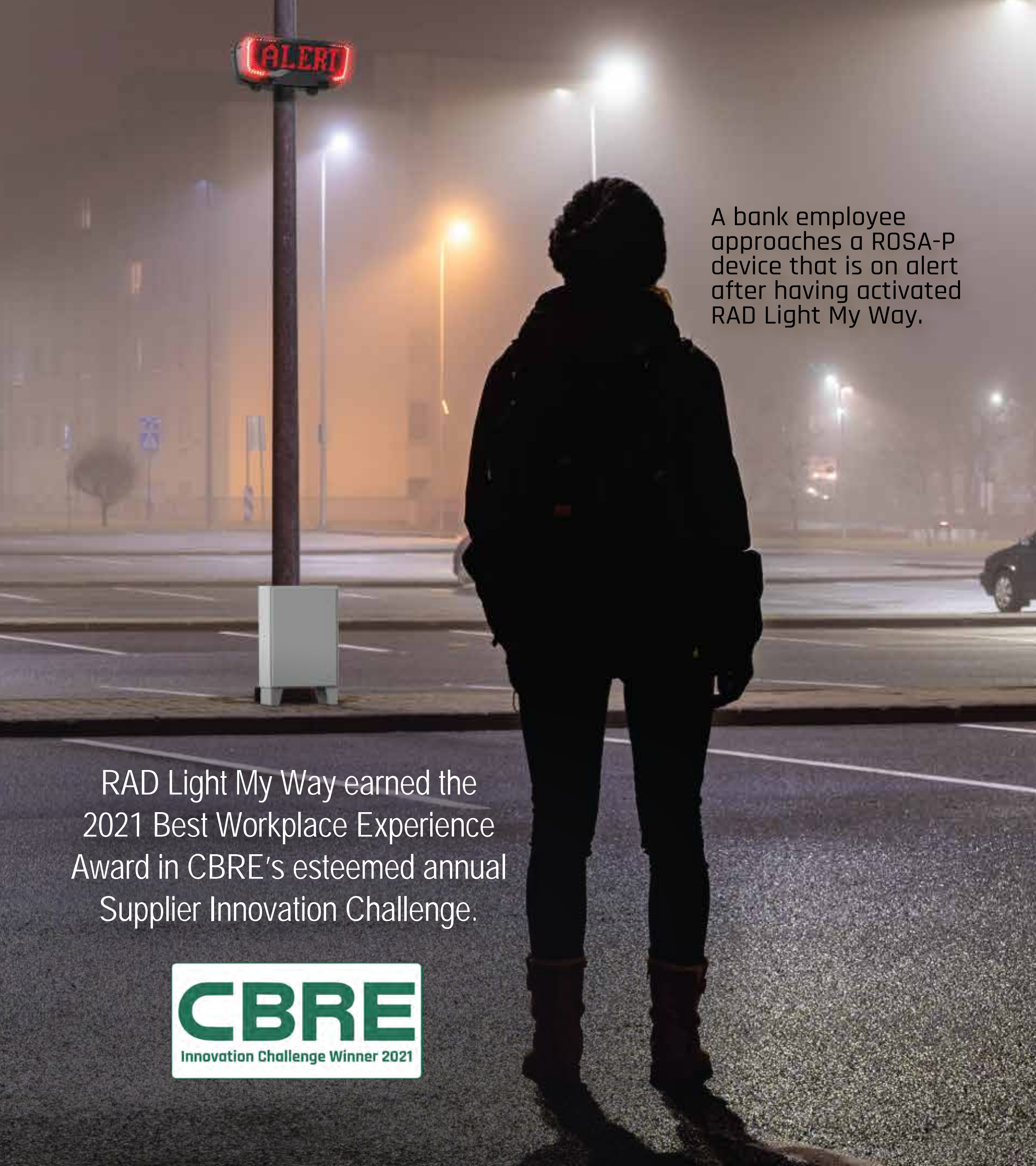
Central to the RIO's effectiveness is ROSA, the multiple award-winning security marvel celebrated for its autonomous detection capabilities. Whether it's deterring trespassers or responding to other property intrusions, ROSA functions flawlessly without necessitating human intervention. Now, coupled with the **RIO Solar Tower**, ROSA's prowess is set to scale greater heights at banking facilities across the nation.

	Affordable	AI Analytics	Autonomous Responses	EZ Deployment
RIO 360	✅	✅	✅	✅
Legacy Systems	❌	❌	❌	❌
Guards	❌	❌	🎲❓	❌

View RIO Demonstration Video

RIO 360 with its tandem ROSA configuration protecting a bank headquarters building.

Leading Affordability in the Market

A bank employee approaches a ROSA-P device that is on alert after having activated RAD Light My Way.

RAD Light My Way earned the 2021 Best Workplace Experience Award in CBRE's esteemed annual Supplier Innovation Challenge.

RAD Light My Way™
Peace of Mind, In the Palm of Their Hands

RAD Light My Way presents banking and finance security professionals with a pioneering approach to enhance safety and security within their premises. This unique innovation empowers your staff by melding cost-effective, smart, interactive technology with a user-friendly mobile app, alongside live remote monitoring, and response services, adapting a proactive security stance.

At the core of the Light My Way initiative is RAD's array of artificial intelligence infused security robotic devices. Each unit is equipped with high-definition cameras, detection capabilities for humans and vehicles, license plate recognition, interactive digital signage and audio messages, lights, sirens, and direct two-way communication channels with remote security personnel. These devices stand as a testament to technological advancement, capably undertaking numerous roles typically reserved for on-site human security teams.

RAD Light My Way sets new benchmarks for protection, particularly during nighttime operations. It improves the industry's capacity to preempt potential threats, respond effectively to emergencies, and ultimately, uphold a secure environment essential for financial transactions and trust-building.

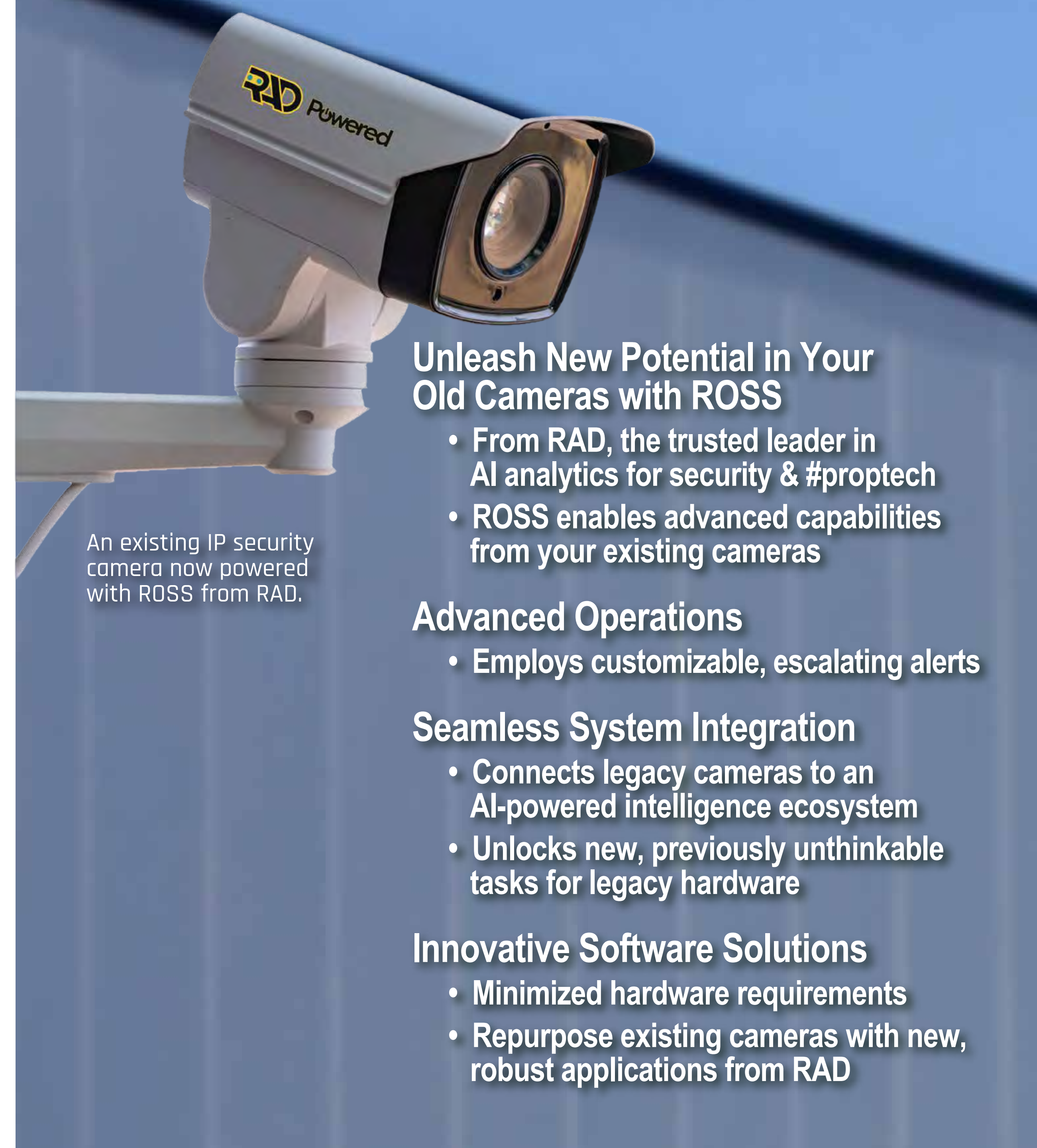**View the RAD Light My Way Explainer Video**

RIO 360

ROSA

AVA

Revitalize Your Legacy Security Cameras with ROSS™ (RAD Operations System Software)

Unlock unparalleled capabilities with RAD's ROSS (RAD Operations System Software), bridging the technological gap between your existing IP security cameras and the futuristic, data-driven demands of modern surveillance, security, and safety. Traditional security cameras, once constrained to mere observation and recording, can now be integrated into the RAD ecosystem, enabling these passive cameras to now harness the potent power of cutting-edge AI analytics. ROSS empowers your previously deployed cameras with an extensive suite of intelligent features such as advanced object detection, perimeter breach alerts, and loitering detection, thereby not only extending their functional lifespan but also amplifying their operational efficiency and effectiveness in safeguarding your facilities and assets.

Elevate Security Management with Intelligent, Real-time Alerts

Immerse yourself in a world where your legacy security infrastructure changes into a dynamic, smart surveillance network with ROSS. Imagine the immense value in transforming static, observational devices into proactive, intelligent units capable of real-time threat detection and instant notification. ROSS enables your traditional cameras to identify, analyze, and respond to various security scenarios by deploying immediate notifications, SMS alerts, and automated response systems, ensuring that your security personnel are always a step ahead in managing and mitigating potential threats. Moreover, with customizable alerts and responses, your existing cameras can now interactively engage with evolving situational dynamics, providing a scalable, adaptive, and robust security solution that stands the test of time.

Human Detection **Firearm Detection** **PPE Detection** **Vehicle Detection** **License Plate Recognition**

ABC-123

An existing IP security camera now powered with ROSS from RAD.

Unleash New Potential in Your Old Cameras with ROSS
- From RAD, the trusted leader in AI analytics for security & #proptech
- ROSS enables advanced capabilities from your existing cameras

Advanced Operations
- Employs customizable, escalating alerts

Seamless System Integration
- Connects legacy cameras to an AI-powered intelligence ecosystem
- Unlocks new, previously unthinkable tasks for legacy hardware

Innovative Software Solutions
- Minimized hardware requirements
- Repurpose existing cameras with new, robust applications from RAD

COMING SOON

RAD's stationary ROSA security device interacting with its mobile companion RADDOG 3S.

RADDOG 3S & ROSA:
A Revolutionary Partnership in Security

RADDOG 3S is a game-changer in security services due to its seamless integration and interaction with stationary robotic devices, notably RAD's ROSA. This dynamic duo represents a paradigm shift in how security operations are conducted, especially in expansive corporate facilities.

Imagine a scenario where ROSA, with its superior surveillance capabilities, detects suspicious activity within the premises. Instead of merely sending an alert to a human security team, which may take time to respond, ROSA can now autonomously dispatch RADDOG 3S to the exact location. This robot dog, equipped with state-of-the-art sensors and AI-driven decision-making, can swiftly navigate to the scene and carry out a ground-level investigation. Its agile form allows it to traverse diverse terrain quickly, ensuring that potential threats don't have the luxury of time on their side.

But the capabilities of RADDOG 3S don't stop at investigation. Should the situation demand, this robotic sentinel is adept at detaining suspects, ensuring that security breaches are not just identified but aptly contained until human security personnel arrive. This seamless coordination between ROSA and RADDOG 3S ensures that security responses are not just timely but also effectively targeted.

In the ever-evolving landscape of security threats, the ability to rapidly detect, respond, and contain is invaluable. The partnership between RADDOG 3S and ROSA offers enterprise clients an unprecedented edge, merging the vantage of stationary surveillance with the mobility and intervention capabilities of an on-ground robot, creating a holistic, autonomous, and formidable security solution.

[View RADDOG Demonstration Video]

ROAMEO 3.0
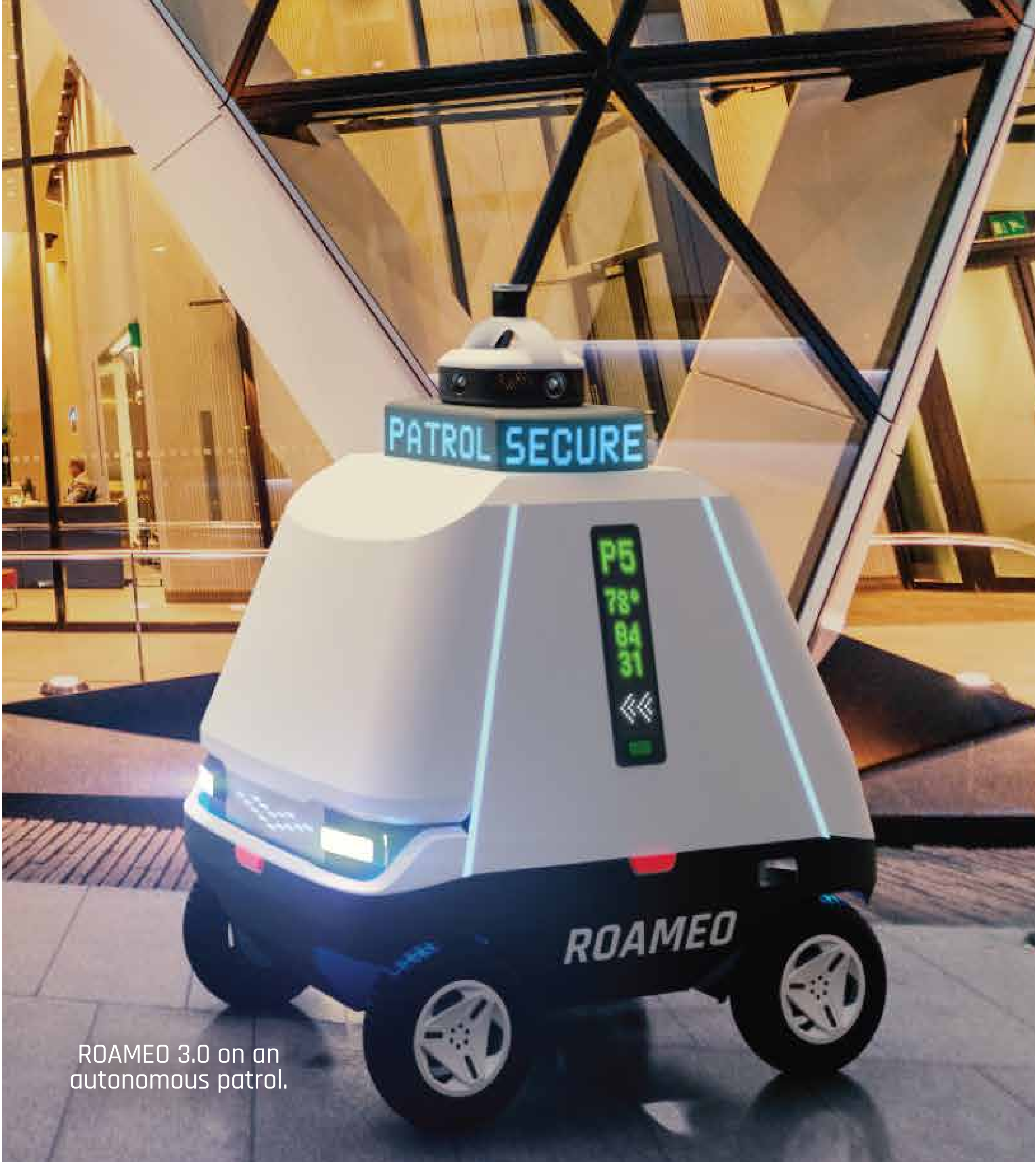# (Rugged Observation Assistance Mobile Electronic Officer)

COMING SOON

Be prepared to step into the future of security with ROAMEO 3.0, where technology and innovation converge to create an impenetrable shield of vigilance over your properties and facilities. Imagine a security officer that never tires, always vigilant, and perpetually enveloped in a halo of high-tech prowess; that's ROAMEO 3.0 in a nutshell. This awe-inspiring automated wonder is not just a mobile robot; it's a symphony of cutting-edge AI analytics, robust video surveillance, and genial interactive communications, all packaged in a sleek, awe-inspiring design that moves gracefully at speeds of up to 12 mph. With a 360-degree field of view, ROAMEO 3.0 does not just see; it observes, analyzes, and acts, providing a security presence that is as empathetic and interactive as it is steadfast and impenetrable.

	Rugged Outdoor Use	Coordinated Patrols w/ other RAD Robots	Traverse Tough Terrain	Able to 'See' Over Vehicles
ROAMEO	✅	✅	✅	✅
Others	❌	❌	❌	❌
	❌	❌	❌	❌

Engage with the future, where ROAMEO 3.0 is not just a security robot; it's your steadfast guardian, efficient concierge, ensuring safety is always in sight.

Request a ROAMEO Presentation

ROAMEO 3.0 on an autonomous patrol.

RADSoC™ - Data at Your Fingertips on Any Platform

real time visibility

easy device customization

metrics

mobile alerts

incident data analysis and management

easily initiate audio 'talk down' through RAD device

customize autonomous response escalation

note: RAD device subscriptions include an unlimited number of user licenses to all software applications

Incident Management - Now Part of RADSoC
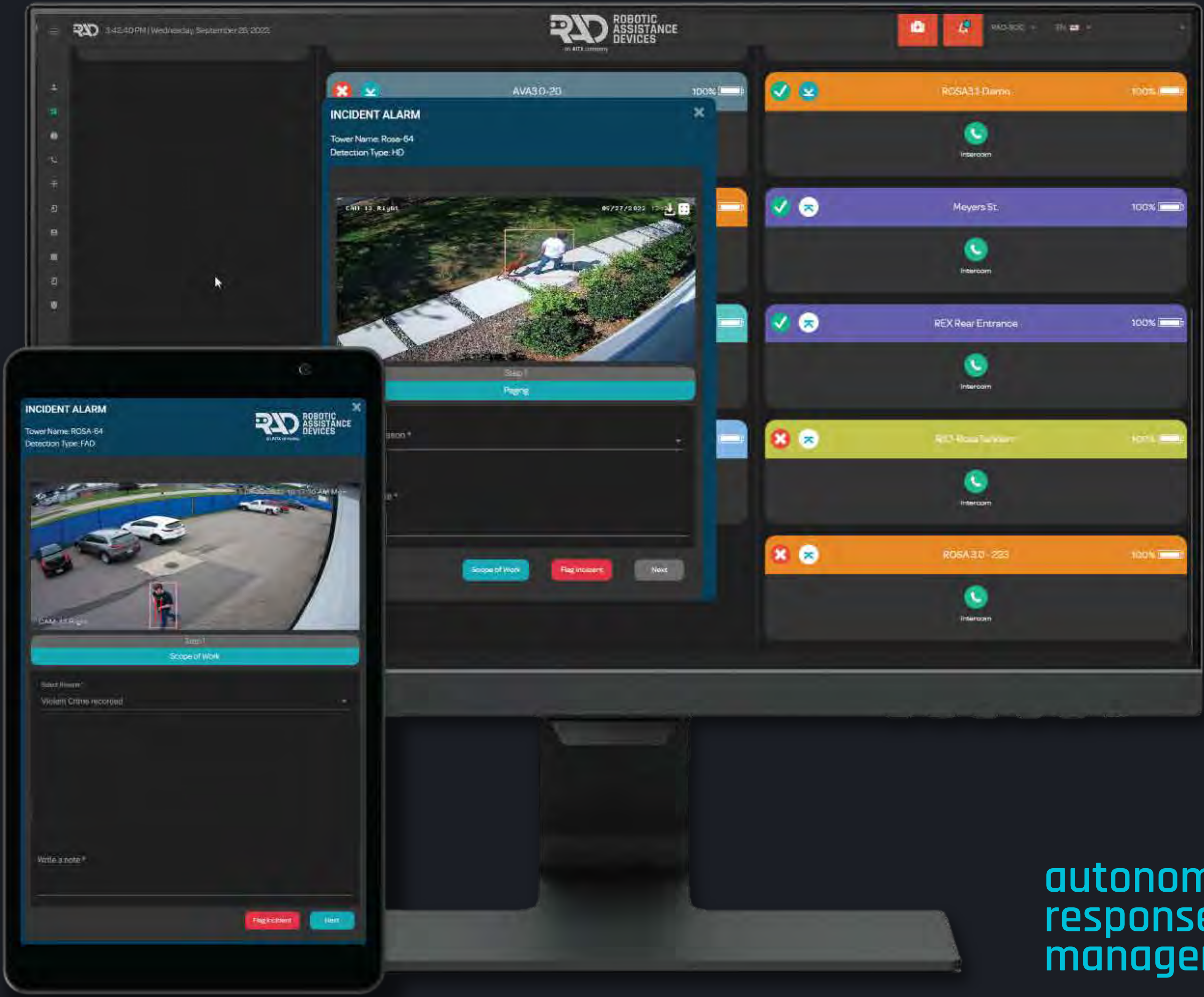

compare to SureView™ and Immix™

full multi-step instructions with timed reactions

central platform to activate accessories (i.e. lockdown procedures)

integrate with existing cameras

central platform to engage suspects

full suite of metrics

autonomous response escalation management

note: RAD device subscriptions include an unlimited number of user licenses to all software applications

RADMobile™ - Situational Awareness While On the Move!

real time visibility

mobile alerts

conveniently initiate audio 'talk down' through ROSA

note: RAD device subscriptions include an unlimited number of user licenses to all software applications

RAD

an **AITX** company

available from

More security, less expense.
With RAD it's <u>inevitable.</u>

Request a Virtual Demonstration

877-78-ROBOT

info@radsecurity.com   •   www.radsecurity.com

Details subject to change without notice. Copyright 2024, Robotic Assistance Devices, Inc.

rad-banking-0224